

AGAT Laboratories

Field Services



Field Services

AGAT Laboratories offers a wide spectrum of laboratory services tailored to meet the needs and demands of the energy sector. With advanced instrumentation and a team of experts, we offer full-service solutions in oil and gas chemistry from the field to the laboratory. Our field sampling services ensure client requirements are always obtained safely and on time.

We offer comprehensive field sampling and testing services for the following applications:

- Regulatory measurement requirements
- Meter calibrations
- Pipeline specifications
- Corrosion monitoring
- Plant optimization
- Fuel flare and vent testing



Our on-site testing capabilities include:

- Hydrocarbon dewpoint - natural gas
- Water dewpoint – natural gas
- Breathing air testing
- Millipore filter testing
- Dissolved oxygen testing (water)
- PH/conductivity testing (water)
- H2S concentration by tube or tutwiler
- Oxygen in natural gas
- Charcoal filter testing (hydrocarbons)
- Gas chromatography analysis
- API/viscosity testing
- Air quality monitoring (workplace)

Field Technician Safety and Training

Committed to protecting the health and safety of all of our employees, we ensure that each and every field technician has the necessary safety equipment. All field technicians are provided with personal protective equipment (PPE). They are trained and certified to industry standards.

Our field technicians are trained in the most current sampling methodologies to ensure a representative sample is collected in the field and safely delivered to the laboratory. This avoids re-sampling and inaccurate results by utilizing our experts for all your sampling requirements.

Our field technicians undergo extensive initial and ongoing training throughout their employment to ensure they are trained to the latest standards.

Customized Sample Scheduling

AGAT Laboratories works closely with clients to develop customized sampling schedules to meet their specific testing requirements. We ensure sampling is completed on regular frequency intervals, updating clients regularly on all progress. Where possible, we also schedule field technicians to complete multiple jobs en route in order to minimize travel distance and provide clients with the cost-saving benefits of less kilometers traveled.

Field Barcoding System

AGAT Laboratories has developed an innovative field barcoding system designed to ensure the consistency of sample information at all sampling points.

Barcode tags are attached to sample points on wells and are scanned into our database with static or fixed header data. Each time the bar-code is scanned, sample point information can be pulled from the database for verification and updating.

Barcoding technology not only ensures that consistent header data and samples are taken from the same point each time, but also gives our clients the ability to export to their internal software systems from our database.



Laboratory Locations

AGAT Laboratories has strategically positioned branch locations across Canada to service key areas in the oil and gas industry. Each of our branch offices has numerous field technicians available to meet any of your sampling needs. All of our laboratories house the most modern and state-of-the-art technology available in the laboratory industry.

We have built long-standing relationships and alliances with hundreds of depot locations across Canada. This allows us the ability to offer clients sample pick-up and drop-off locations in any area of operation. These alliances provide our clients with quality service and reliable turn-around times as sample pick-up and shipment is never an issue.

Mobile Laboratory

AGAT Laboratories has several mobile testing applications for:

- Batteries
- Gas plants
- Refineries
- Well sites
- Compressor installations
- Air quality monitoring
- Stacks emissions monitoring
- Environmental
- Geological

Geological Field Services

When it comes to successful core projects, on site sampling and early analysis are key. With AGAT's portable core analysis lab and mobile geological field crew, customers have access to basic in-place analyses, along with the ability to sample and preserve cores for further testing at our main laboratory in Calgary. Instrumentation, including microscopes, XRF and GC, can be accommodated by the portable units depending upon specific job requirements.

Portable lab services include:

On-site desorption:

- Rock samples, including core and cuttings, are collected and desorbed in water baths at reservoir temperatures immediately after the samples are recovered at the surface
- Lost gas content is calculated based on measured desorption data
- Samples are taken throughout the desorption process to determine gas composition, including isotope composition if required
- Final gas content measurements and gas in place modeling is performed upon the return to our Calgary laboratory

On-site core description:

- Core is described and photographed after retrieval to provide immediate information for drilling/coring



- Core video and photos can also be taken to provide visual examinations

Sample preservation:

- Based on test programs, appropriate samples are selected and preserved on site by vacuum sealing, plastic wrapping, waxing and/or refrigeration to prevent moisture and volatile losses and physical damage

**For more information please contact
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