



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 3735

**Laboratory Name:** Cenovus Christina Lake Main Lab

**Parent Institution:** Cenovus Energy Inc.

**Address:** LSD 08-17-076-06 / W4M Conklin AB

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**Standard:** Conforms with requirements of ISO/IEC 17025

**Clients Served:** Internal Clients Only

**Revised On:** September 12, 2019

**Valid To:** May 5, 2021

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### Scope of Accreditation

#### Gas (Inorganic)

Heat Value and Specific Gravity - Gas (009)

ATM09; ASTM 3588 and GPA 2172

CALCULATING HEAT VALUE AND SPECIFIC GRAVITY

Heat Value (Calculation)

Specific Gravity (calculation)

#### Gas (Organic)

Composition - Gas (008)

ATM09; GPA 2261

GC/TCD

Carbon dioxide (CO<sub>2</sub>)

Ethane

Helium

Hydrogen

Hydrogen Sulfide

Methane

Nitrogen

Oxygen

#### Gas (Organic)

Composition - Gas (010)

ATM09; modified from GPA 2261

GC/FID

2-Methylbutane (Isopentane)

Decane Plus

Heptanes

Hexanes

Isobutane (2-Methylpropane)

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002).

The list of tests and measurement capabilities for which a laboratory is accredited can change at any time due to circumstances such as scope extensions, voluntary withdrawal of tests by the laboratory and suspension. Scopes are published by the CALA via the Internet at [http://www.cala.ca/cala\\_directories.html](http://www.cala.ca/cala_directories.html)

n-Butane  
n-Pentane  
Nonanes  
Octane  
Propane

**Gas (Organic)**

Hydrogen Sulphide - Gas (011)  
ATM10; ASTM D5504  
GC/SCD  
Hydrogen Sulfide

**Oil (Inorganic)**

Basic Sediment and Water (BSW) - Oil (004)  
ATM05; ASTM D4007  
CENTRIFUGE  
Total % Water and Sediment

**Oil (Inorganic)**

Density - Oil (006)  
ATM07; ASTM D5002  
DIGITAL DENSITY ANALYZER  
Density

**Oil (Inorganic)**

Kinematic Viscosity - Oil (007)  
ATM08; ASTM D7042  
VISCOMETER  
Kinematic Viscosity @25deg Celcius  
Kinematic Viscosity @40deg Celcius

**Oil (Inorganic)**

Water Content - Oil (005)  
ATM06; ASTM D4377  
POTENTIOMETRIC  
Water

**Water (Inorganic)**

Chloride - Water (002)  
ATM02; SM 4500-CL- D  
POTENTIOMETRIC  
Chloride

**Water (Inorganic)**

pH - Water (001)  
ATM01; SM 4500-H+  
AUTO TITRIMETRIC  
pH

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