

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: Centre for Oil and Gas Research and Development (COGRAD)

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To ensure compliance with the *Official Languages Act*, the Standards Council of Canada (SCC) translated proprietary content from English to French when it was not available in French. In case of discrepancies between the English and French versions, the original version of the method prevails.

SCC File Number:	151048
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Chemical/Physical
Program Specialty Area:	Environmental Testing (ET) Test Method Development and Evaluation and Non-routine Testing (TMDNRT)
Initial Accreditation:	2017-11-03
Most Recent Accreditation:	2023-07-31
Accreditation Valid to:	2025-11-03

Program Speciality Area

Note: The laboratory accredited under this PSA have demonstrated that it meets ISO/IEC 17025 requirements for non-routine testing under the following product classification.

Description of Activities under TMDNRT – chemical analysis:

1. Modification, improvement, and validation of published or existing test methodology for the screening and determination of chemical residues and contaminants relevant to Oil and Gas industry.
2. Development and validation of new testing methodology for the screening and determination of chemical residues and contaminants relevant to Oil and Gas industry.
3. Development and validation of mass spectral techniques for the confirmation of the identity of chemical residues and contaminants relevant to Oil and Gas industry.
4. Screening, determination, and confirmation of the identity of chemical residues and contaminants relevant to Oil and Gas industry for non-routine purposes.

Description of Techniques under TMDNRT – chemical analysis:

1. Gas Chromatography coupled with MS/MS
2. Gel permeation chromatography (GPC)

A current controlled list of test methods under flexible scope is maintained by the laboratory and available upon request.

Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.

Note: This scope of accreditation is also available in French as a separately issued document.

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental:

Biological

TM-002	Alkyl polycyclic aromatic hydrocarbons (APAHs) in organic tissue by gas chromatography - tandem mass spectrometry (GC-MS/MS) C1-C4 Naphthalene C1-C2 Fluorene C1-C4 Phenanthrene C1-C4 Chrysene C1-C4 Pyrene C0-C4 Dibenzothiophene,
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C1-C2 Benzopyrene and 16 polycyclic aromatic hydrocarbons (PAHs) listed below.

(Sediment)

TM-001	<p>Polycyclic aromatic hydrocarbons (PAHs) in sediments by gas chromatography - tandem mass spectrometry (GC-MSMS)</p> <p>Naphthalene</p> <p>Acenaphthylene</p> <p>Acenaphthene</p> <p>Fluorene</p> <p>Phenanthrene</p> <p>Anthracene</p> <p>Fluoranthene</p> <p>Pyrene</p> <p>Benz(a)anthracene</p> <p>Chrysene</p> <p>Benzo(b)fluoranthene</p> <p>Benzo(k)fluoranthene</p> <p>Benzo(a)pyrene</p> <p>Indeno(1,2,3-cd) pyrene</p> <p>Dibenz(a,h)anthracene</p> <p>Benzo(ghi)perylene</p>
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Number of Scope Listings: 2

Number of Techniques: 2

Notes:

ISO/IEC 17025-2017: General Requirements for the Competence of Testing and Calibration Laboratories

TM: Internally developed Test Method =

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
 Vice-President, Accreditation Services
 Publication on: 2024-02-16