

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: H2Lab Inc.

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SCC File Number:	151319
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Chemical/Physical
Initial Accreditation:	2024-06-25
Most Recent Accreditation:	2024-06-25
Accreditation Valid to:	2028-06-25

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 document issued separately.

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental

Inorganic chemistry

H2Lab-CHRO-211	<p>Anions Analysis Ionic Chromatography Wastewater, Drinking water, Effluents, Surface water, Groundwater Chloride (Cl), Fluoride (F), Sulfates (SO₄), Cyanates (CNO), Thiocyanates (SCN), Thiosulfates (S₂O₃)</p>
H2Lab-CN-211	<p>Cyanide Analysis Automatic Colorimetry Wastewater, Drinking water, Effluents, Surface water, Groundwater Total Cyanide (CNT), WAD Cyanide, Free Cyanide, Oxidized Cyanide</p>
H2Lab-COT-211	<p>Total Organic Carbon Infrared detection method Wastewater, Drinking water, Effluents, Surface water, Groundwater Total organic carbon (TOC), Dissolved organic carbon (DOC), Total inorganic carbon (TIC), Dissolved inorganic carbon (DIC)</p>
H2Lab-NH3-211	<p>Ammonical Nitrogen analysis Automatic colorimetry method Wastewater, Drinking water, Effluents, Surface water, Groundwater Ammonia (NH₃-NH₄), Non ionised ammonia (NH₃), Ammonia (NH₄)</p>
H2Lab-NITR-211	<p>Nitrites-Nitrates analysis Automatized Colorimetry method Wastewater, Drinking water, Effluents, Surface water, Groundwater Nitrites-Nitrates (NO₂-NO₃), Nitrites (NO₂), Nitrates (NO₃)</p>
H2Lab-MET-211	<p>Metals analysis ICP-MS liquid method Wastewater, Drinking water, Effluents, Surface water, Groundwater Al, As, Ag, Ba, Be, Bi, B, Br, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Th, Ti, U, V, W, Zn</p>
H2Lab-MET-212	<p>Metals analysis ICP-MS solid method Soils, Sludges, Sediments Al, As, Ag, Ba, Be, Bi, B, Br, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Th, Ti, U, V, W, Zn</p>

H2Lab-PTOT-211	Total Phosphorus analysis ICP-MS method Wastewater, Drinking water, Effluents, Surface water, Groundwater Total Phosphorus (P _{tot})
H2Lab-TIT-211	Alkalinity, Conductivity, Dissolved Solids and pH analysis by Titrator Automatic titration method Wastewater, Drinking water, Effluents, Surface water, Groundwater pH, Alkalinity, Conductivity, Dissolved Solids
H2Lab-SOLI-211	Suspended matter and solids analysis Gravimetric method Wastewater, Drinking water, Effluents, Surface water, Groundwater Suspended solids

Number of Scope Listings: 10

Notes:

H2Lab-xxxx-yyy : internal 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-ccn.ca.

Elias Rafoul
Vice-President, Accreditation Services
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