



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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CHEMICAL

Valid To: January 31, 2022

Certificate Number: 6206.01

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory to perform the following chemical tests identified on the analytes noted below:

Soil:

<u>Analyte(s)</u>	<u>Test Method(s)</u>	<u>Reference Method(s)</u>
Acid Neutralizing Value for Liming Materials Calcium Carbonate Equivalent	TM SOIL 024-01	AOAC 955.01 Modified
Alcohols in Soil and Leachates by Capillary Gas Chromatograph Cyclohexanone Iso-Butanol Methanol n-Butanol Pyridine	TM GC 075-10	EPA 1311, SW-846 Extraction, EPA 8015D Modified
Analysis of BTEX/F1 in Soil and Water Samples GC/MSD + FID Benzene Ethylbenzene m/p-Xylene o- Xylene Styrene Toluene	TM ORG 001-10	SW 846, EPA 5021A/8260B Method A108.0-1/CCME-CWS-PHCS-TIER 1 Modified
Analysis of Petroleum Hydrocarbons in Soil and Water Using GC-FID F2 (C10-C16) F3 (C16-C34) F4 (C34-C50)	TM ORG 003-10	CCME-CWS-PHCS-TIER 1 Modified

Analyte(s)	Test Method(s)	Reference Method(s)
Atterberg Limits of Soils Atterberg Limits	TM SOIL 050-10	ASTM D4318-05 Modified
Barium in Soil by ICP Barium Extractable Barium Fusion Barium Soluble	TM METAL 060-10	Alberta Environment/British Columbia Environmental Laboratory Manual/ASTM D4503-08/APHA 3120B Modified
BTEX and F1 in Soil Samples by GC/MSD/FID F1: C6-C10	TM ORG 001-10	EPA 8260B/5021A/CCME-CWS-PHCS-TIER 1 Modified
Bulk Density and Specific Gravity of "As-Received" Samples Bulk Density	TM PREP 016-10	American Society of Agronomy No. 9, Part 1, Method 13-2 Modified
CaCO ₃ (Lime) Requirement in Soil by Single Buffer Lime Requirement - Soil	TM SOIL 060-10	SSMA 12.2 Modified
Calcium Carbonate in Soil by Dual pH Calcium Carbonate	TM SOIL 133-10	J. Ashworth, COM. SOIL SCI PLANT SCI 28, 841-848, 1997 Modified
Cyanide in Aqueous Solutions by Continuous Flow Colorimetry Cyanide, SAD Cyanide, Total Cyanide, WAD Cyanide, Water Soluble	TM WET 053-10	NAQUADAT NO. 06608L/Method 335.3/APHA 4500-CN- I/ APHA 4500-CN-C Modified
Dean Stark Analysis in Soil and Sludge Oil Fraction Solids Fraction Water Fraction	TM OIL 027-10	ACOSA REF. METHOD Modified
EOX in Soil/Waste Extractable Organic Halogens	TM OIL 500-90	EPA 9023 Modified



Analyte(s)	Test Method(s)	Reference Method(s)
Exchangeable Cations and Cation Exchange Capacity (CEC) In Soil by Ammonium Acetate Extraction Ammonium C.E.C. Calcium Magnesium Potassium Sodium	TM METAL 053-10	MSS Method 3.32/APHA 3120 B/ APHA 4500-NH3 G Modified
Extractable Ammonium and Nitrate in Soil by Continuous Flow Colorimetry Ammonium Nitrate	TM WET 016-10	MSS Method 4.35/APHA 4500-NH3 G/MSS Method 6.3 Modified
Extractable Macro Nutrients in Soil by ICP Calcium Magnesium Sodium	TM METAL 054-10	MSS Method 4.51/APHA 3120 B Modified
Extractable Micro Nutrients in Soil by ICP Copper Iron Manganese Zinc	TM METAL 073-10	MSS Method 4.65/APHA 3120B Modified
Extractable Nitrate, Phosphate and Potassium in Soils by Continuous Flow Colorimetry Nitrate Phosphorus Potassium	TM WET 018-10	SSMA Method 6.3/APHA 4500-P D/ Method 19103 565 Modified
Extractable Sulfur as Sulfate in Soils by ICP Sulfate	TM METAL 083-10	MSS Method 4.47/ APHA 3120B Modified
Flash Point in Liquid and Soil Samples by Penske-Martens Closed Cup Tester Flash Point	TM OIL 025-10	ASTM D93 Modified
Hot Water Soluble Boron in Soil by ICP	TM METAL 059-10	MSS Method 4.61/APHA 3120B Modified



Analyte(s)	Test Method(s)	Reference Method(s)
Boron		
Hydraulic Conductivity Saturated by Constant Head Method	TM SOIL 044-10	MSS Method 2.5 Modified
Hydraulic Conductivity		
Leachable BTEX in Solids and Waste by GC/PID + FID with headspace analyzer Benzene Ethylbenzene m/p-xylene o-xylene Toluene	TM WET 033-10	SW-846, EPA1311, 5021A/8260B Modified
Metals in Soil, Sludge, Sediment and Oily Waste by ICP MS Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Chromium Cobalt Copper Lead Lithium Mercury Molybdenum Nickel Selenium Silver Strontium Thallium Tin Titanium Uranium Vanadium Zinc Zirconium	TM METAL 077-10 TM METAL 081-10	BCMOE SALM/EPA Method 200.8/EPA 1311 TCLP/Special Waste Extraction Procedure Modified
Metals in Soil, Sludge, Sediment and Oily Waste by ICP OES Aluminum Calcium Iron Magnesium	TM METAL 077-10	BCMOE SALM Modified

Analyte(s)	Test Method(s)	Reference Method(s)
Manganese		
Metals in Soil, Sludge, Sediment and Oily Waste by ICP OES (cont.) Phosphorous Potassium Silicon Sodium Sulfur	TM METAL 077-10	BCMOE SALM Modified
Molarity Ethanol Droplet Value (MED) Wettability	TM SOIL 049-10	AB SOIL SCI WORKSHOP YOUNG. VOL 27, P.59-63, 1990 Modified
Organic Matter in Soil by Loss on Ignition	TM SOIL 019-10	MSS Method 3.8 Modified
Paint Filter Test Free Liquids - Waste	TM SOIL 130-10	SW846 EPA 9095B Modified
Particle Size Analysis by Laser Diffraction Particle Size Analyzer Particle Size Mean (D50)	TM WET 103-10	Laser Diffraction Particle Size Analyzer Instruction for Use, October 2011, Beckman Coulter, Inc., Modified
Particle Size Analysis by Wet Sieve	TM SOIL 121-10	ASTM C117 Modified
Particle Size Analysis of Soil by Dry Sieve	TM SOIL 032-10	MSS Method 55.4 Modified
Particle Size Analysis of Soil by Hydrometer	TM SOIL 120-10	MSS Method 55.3 Modified
pH and Electrical Conductivity in Soil/pH in Soil by 0.01M Calcium Chloride pH (0.01 M CaCl ₂) pH (1:2 Water/Soil)	TM SOIL 001-10 TM SOIL 021-10	MSS Method 4.11 & 4.12/3.11 Modified
pH and Electrical Conductivity in Soil: Water E.C. (1:2 water)	TM SOIL 001-10	MSS Method 4.11/4.12 Modified
Phenol in Aqueous Solutions by Continuous Flow Colorimetry Phenols, Total	TM WET 058-10	APHA 5530D Modified
Salinity, pH and EC of Field-Moist Soils Ammonium Calcium Chloride EC Extract	TM SOIL 129-10	SSMA. 2008. pp. 161-168 Modified

Analyte(s)	Test Method(s)	Reference Method(s)
Magnesium		
Salinity, pH and EC of Field-Moist Soils (cont.) Nitrate + Nitrite pH Potassium Sodium Sulfur	TM SOIL 129-10	SSMA. 2008. pp. 161-168 Modified
Sodium Absorption Ratio (SAR), pH and EC in Soil by Saturated Paste Ammonium Calcium Chloride EC Magnesium Nitrate + Nitrite pH Potassium Saturated Paste Extract Saturation Percentage Sodium Sulfur	TM SOIL 022-10	SSMA CH.15 Modified
Soil Moisture Content % Moisture	TM PREP 003-10	Martin R. Carter & E.G. Gregorich. Soil Sampling and Methods of Analysis, 2008. Method 4.4, Sample Moisture Content Modified
Volatile Organic Compounds in Solids and Leachate by Gas Chromatography / Mass Spectrometry (GC/MS): Capillary Column Technique 2-Butanone (MEK) 2-Nitropropane Acetone Benzene Carbon disulfide Ethyl Acetate Ethyl Benzene Ethyl Ether m&p-Cresol m&p-Xylene Methyl-2-Pentanone (MIBK) Nitrobenzene o-Cresol o-Xylene Toluene	TM GC 070-10	EPA 1311, SW-846 Extraction, EPA 8260B Modified, EPA 5021A Modified

Water (Inorganic):

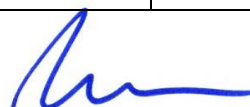
Analyte(s)	Test Method(s)	Reference Method(s)
Ammonia-N in Aqueous Solutions by Continuous Flow Colorimetry Ammonium	TM WET 008-10	APHA 4500 NH3-G/EPA 1311 Modified
Anions in Aqueous Solutions by Ion Chromatography Bromate Bromide Chlorate Chloride Chlorite Fluoride Iodide Nitrate Nitrite Phosphate Sulfate	TM WET 012-10	APHA 4110 B/EPA 1311/Special Waste Extraction Procedure Modified
Biological Oxygen Demand in Waters and Wastewaters by Incubation BOD CBOD	TM WET 044-10	APHA 5210B Modified
Chemical Oxygen Demand in Water and Wastewater by Block Digestion COD	TM WET 050-10	APHA 5220 D Modified
Chloride in Aqueous Solutions by Colorimetric Discrete Analyzer Chloride	TM WET 100-10	APHA 4500Cl E Modified
Cyanate in Water and Wastewater by Continuous Flow Colorimetry Cyanate	TM WET 095-10	APHA 4500CN-L Modified
Cyanide in Aqueous Solutions by Continuous Flow Colorimetry Cyanide - Dissolved Cyanide - SAD Cyanide - Total Cyanide - WAD	TM WET 053-10	NAQUADAT 06608L/EPA 335.3/APHA 4500-CN C/APHA 4500-CN-I/EPA 1311/Special Waste Extraction Procedure Modified
Dissolved Oxygen in Water and Wastewater by Titration COD	TM WET 022-10	APHA 4500-O C, Modified



Analyte(s)	Test Method(s)	Reference Method(s)
Dissolved Solids Fixed Dissolved Solids Total Dissolved Solids Volatile Dissolved Solids	TM WET 055-10	APHA 2540C/APHA 2540 E Modified
Filterable Residue in Oilfield Water, Gravimetric Dissolved Solids - Ignited at 550 °C Dissolved Solids - Dried at 105 °C	TM WQ 035b-90	APHA 2540 C/APHA 2540 E Modified
Hexavalent Chromium in Aqueous Solutions by Colorimetric Discrete Analyzer Chromium (Hexavalent)	TM WET 075-10	APHA 3500CR B/EPA 1311 Modified
Measurement of pH in Water and Wastewater at 15°C pH	TM WET 104-10	APHA, 4500H+ B, Modified
Mercury in Aqueous Solutions by Cold Vapour Atomic Absorption Mercury - Dissolved Mercury - Extractable Mercury - Total	TM METAL 063-10	EPA Method 245.5 /APHA 3112B Modified
Metals in Aqueous Solutions by ICP-OES Total Calcium Total Iron Total Magnesium Total Manganese Total Phosphorus Total Potassium Total Silicon Total Sodium Total Sulfur	TM METAL 080-10	British Columbia Environmental Lab Manual (2009) - Digestion for Total Metals in Water - Prescriptive/EPA 200.8/APHA 3125B Modified
Metals in Aqueous Solutions by ICP-OES Dissolved Barium (High) Dissolved Calcium Dissolved Iron (High) Dissolved Magnesium Dissolved Manganese (High) Dissolved Phosphorus Dissolved Potassium Dissolved Silicon	TM METAL 080-10	APHA 3120B/APHA 3030 F Modified

Analyte(s)	Test Method(s)	Reference Method(s)
Dissolved Sodium		
Metals in Aqueous Solutions by ICP-OES (cont.) Dissolved Sulfur Hardness - Calculation Sodium Absorption Ratio - Calculation	TM METAL 080-10	APHA 3120B/APHA 3030 F Modified
Metals in Aqueous Solutions by ICP-OES Extractable Calcium Extractable Iron Extractable Magnesium Extractable Manganese Extractable Phosphorus Extractable Potassium Extractable Silicon Extractable Sodium Extractable Sulfur	TM METAL 080-10	APHA 3120B/APHA 3030 F Modified
Molybdate Reactive Silica in Water by Spectrophotometer Reactive Silica	TM WET 091-10	APHA 4500 SIO2 C Modified
Orthophosphate in Water by Colorimetric Discrete Analyzer /Total and Dissolved Phosphorus in Water by Smartchem Colorimetric Discrete Analyzer Orthophosphate (SRP) Total Dissolved Phosphorus Total Phosphorus	TM WET 073-10 TM WET 099-10	10APHA 4500 P-F/APHA, 4500-P B/APHA, 4500-P F Modified
pH, Electrical Conductivity and Total and Phenolphthalein Alkalinity in Water by PCTitrate Auto Titrator Alkalinity (pH 4.5) Electrical Conductivity pH	TM WET 001-10	APHA 2320 B/APHA, 2510 B/APHA 4500H+ B Modified
Phenol in Aqueous Solutions by Continuous Flow Colorimetry Phenols	TM WET 058-10	APHA 5530 D/EPA 1311 Modified
Thiocyanate in Water and Wastewater by Colorimetric Centripetal Analyzer Thiocyanate	TM WET 096-10	APHA 4500 CN-M Modified

Analyte(s)	Test Method(s)	Reference Method(s)
TOC, DOC, TIC, DIC, and TC in Water and Wastewater by High-Temperature Combustion Carbon-Dissolved Inorganic Carbon-Dissolved Nonpurgeable Organic Carbon-Total Carbon-Total Inorganic Carbon-Total Nonpurgeable Organic	TM WET 020-10	APHA 5310B
Total and Free Chlorine in Water by Spectrophotometer Free Chlorine Total Chlorine	TM WET 068-10	APHA 4500CL G Modified
Total Nitrogen in Water and Wastewater by High-Temperature Combustion Dissolved Kjeldahl Nitrogen Dissolved Nitrogen Total Kjeldahl Nitrogen Total Nitrogen	TM WET 040-10	ISO/TR 11905:1997(E) Modified
Total Oil & Grease in Water by Gravimetric Analysis Total Oil and Grease	TM OIL 065-10	EPA 1664 Modified
Total Sulfide in Aqueous Solutions by Automated Gas Dialysis Sulfide	TM WET 057-10	APHA 4500 S2-E Modified
Total Suspended Solids in Water and Wastewater Dried at 104° C Fixed Suspended Solids Total Suspended Solids Volatile Suspended Solids	TM WET 056-10	APHA 2540 D/APHA 2540 E Modified
Trace Metals in Aqueous Solutions by ICP-MS Total Aluminum Total Antimony Total Arsenic Total Barium Total Beryllium Total Bismuth Total Boron Total Cadmium	TM METAL 081-10	British Columbia Environmental Lab Manual (2009) - Digestion for Total Metals in Water - Prescriptive/EPA 200.8/APHA 3125B Modified



Total Chromium		
Analyte(s)	Test Method(s)	Reference Method(s)
Trace Metals in Aqueous Solutions by ICP-MS (cont.) Total Cobalt Total Copper Total Iron Total Lead Total Lithium Total Manganese Total Molybdenum Total Nickle Total Selenium Total Silver Total Strontium Total Thalium Total Thorium Total Tin Total Titanium Total Uranium Total Vanadium Total Zinc Total Zirconium	TM METAL 081-10	British Columbia Environmental Lab Manual (2009) - Digestion for Total Metals in Water - Prescriptive/EPA 200.8/APHA 3125B Modified
Trace Metals in Aqueous Solutions by ICP-MS Extractable Aluminum Extractable Antimony Extractable Arsenic Extractable Barium Extractable Beryllium Extractable Boron Extractable Cadmium Extractable Chromium Extractable Cobalt Extractable Copper Extractable Iron Extractable Lead Extractable Lithium Extractable Molybdenum Extractable Nickel Extractable Selenium Extractable Silver Extractable Strontium Extractable Thallium Extractable Tin Extractable Titanium Extractable Uranium Extractable Vanadium Extractable Zinc	TM METAL 081-10	EPA 200.8/APHA 3125 B Modified



Analyte(s)	Test Method(s)	Reference Method(s)
Extractable Zirconium		
Trace Metals in Aqueous Solutions by ICP-OES Dissolved Aluminum Dissolved Antimony Dissolved Arsenic Dissolved Barium Dissolved Beryllium Dissolved Bismuth Dissolved Boron Dissolved Cadmium Dissolved Chromium Dissolved Cobalt Dissolved Copper Dissolved Iron Dissolved Lead Dissolved Lithium Dissolved Molybdenum Dissolved Nickel Dissolved Selenium Dissolved Silver Dissolved Strontium Dissolved Thallium Dissolved Tin Dissolved Titanium Dissolved Uranium Dissolved Vanadium Dissolved Zinc Dissolved Zirconium	TM METAL 081-10	EPA 200.8/APHA 3125B Modified
True and Apparent Color in Water by Visual Comparison Color	TM WET 025-10	APHA 2120B Modified
Turbidity in Water and Wastewater by Nephelometric Method Turbidity	TM WET 064-10	APHA 2130B Modified
UV Absorbance and Transmittance in Water and Waste Water by Spectrophotometer UV Absorbance and Transmittance	TM WET 035-10	APHA 5910B Modified

Water (Organic):

Analyte(s)	Test Method(s)	Reference Method(s)
BTEX and F1 in Soil and Water Samples by GC/MSD/FID F1: C6-C10	TM ORG 001-10	CCME-CWS-PHCS-TIER 1 Modified
BTEX and F1 in Water Samples by MSD/FID Benzene Ethylbenzene m/p-Xylene o-Xylene Styrene Toluene	TM ORG 001-10	CCME-CWS-PHCS-TIER 1/EPA 5021A/8260B/ Modified
Club Root Pathogen (P. brassicae) Detection in Soil and Plant Tissue by Manual Spin Kit DNA Extraction and Real-time PCR Plasmodiophora brassicae	TM BIO 038-10	Wallenhammar et al. In-field distribution of Plasmodiophora brassicae Measured using Quantitative Real-Time PCR. Plant Pathology 61: 16–28; Modified
Microtox 15 Minute, Multiple Concentration, Acute, Static EC50 Bioassay	TM BIO 037-10	EPS 1/RM/24 Modified Microtox EC 50 (15 min)

Petroleum Crudes and Natural Gas:

Analyte(s)	Test Method(s)	Reference Method(s)
Absolute and Relative Density and API Gravity: Digital Density Meter	TM OIL 050-90	ASTM D4052 Density, Relative Density, Modified/ASTM D5002 Modified
Acid Number by Potentiometric Titration	TM OIL 241-90	ASTM D664 Modified
Analysis of Glycol Compounds by Gas Chromatography Di-ethylene Glycol Ethylene Glycol Tetra-ethylene Glycol Methanol Tri-ethylene Glycol n-Methyl Di-ethanolamine	TM GC 065-90	ASTM E202 Modified
Anions in Glycol by Ion Chromatography Chloride Nitrite	TM OC 058-90	APHA 4110B Modified



Phosphate Sulfate		
Analyte(s)	Test Method(s)	Reference Method(s)
Asphaltenes Content of Crude Oil, Condensate and Bitumen Asphaltene	TM OIL 200-90	Syncrude Method 5.1 Modified
BTEX in Natural Gas Dehydrator Reboiler Overheads Streams by Total Capture Benzene Emissions	TM GAS 037-90	-----
Carbon Residue Microcarbon Method Micro Carbon Residue	TM OIL 135-90	ASTM D 4530 Modified
Compositional Gas Analysis Natural gas: N2, CO2, C1-C10+, He, H2, H2S Density, Gross Heating Value, Pseudocritical Pressure and Temperature, Relative Molecular Mass (Total and C7+) and Vapour Pressure (C5+)	TM GAS 023-90	GPA 2286 Modified
D86 Atmospheric Distillation	TM OIL 150-90	ASTM D86 Modified
Dynamic Viscosity and Density of Liquids by Stabinger Viscometer Absolute Viscosity Density Kinematic Viscosity	TM OIL 145-90	ASTM D7042
Extended Gas Analysis GPA 2286: N2, CO2, C1-C30+, He, H2	TM GAS 028-90	GPA 2286 Modified
Flash and Fire Points by Cleveland Open Cup Tester Flash Point	TM 170-90	ASTM D92 Modified
Flash Point of Petroleum Oils and Lubricants Flash Point - Closed Cup	TM OIL 171-90	ASTM D93 Modified



Analyte(s)	Test Method(s)	Reference Method(s)
High Pressure Liquid Compositional Analysis High Pressure Liquid Analysis N2, CO2, H2S, C1-C30+, Benzene, Toluene, Ethylbenzene & p+m Xylene, o-Xylene, 1,2,4 Trimethylbenzene, Cyclopentane, Methylcyclopentane, Cyclohexane, Methylcyclohexane, Density, Relative Molecular Mass and Gas Equivalent Factor	TM GAS 015-90	ASTM D2887 Modified ASTM D5307 Modified
Hydrogen Sulfide and Mercaptan Sulfur in Liquid Hydrocarbon: by Potentiometric Titration Hydrogen Sulfide Mercaptan as Sulfur	UOP 163	UOP 163
Low Pressure Liquid Composition Analysis H2S, C1-C30+, Benzene, Toluene, Ethylbenzene & p+m Xylene, o-Xylene, 1,2,4 Trimethylbenzene, Cyclopentane, Methylcyclopentane, Cyclohexane, Methylcyclohexane, Density, Relative Molecular Mass and Gas Equivalent Factor	TM GAS 016-90	ASTM D2887 Modified
Metals in Light Crude Oil by ICP Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel	TM OC 100-90	ASTM D5708 Modified

Phosphorus Potassium Selenium		
Analyte(s)	Test Method(s)	Reference Method(s)
Metals in Light Crude Oil by ICP (cont.) Silver Sodium Strontium Tin Titanium Vanadium Zinc Zirconium	TM OC 100-90	ASTM D5708 Modified
NGL Analysis by Gas Chromatography N2, CO2, H2S, C1-C12+, Density, Relative Molecular Mass and Gas Equivalent Factor	TM GAS 009-90	ASTM D 2163 Modified
Organic Chloride Content of Crude and Waste Oil Organic Chloride	TM OIL 076-90	ASTM D4929 B Modified
Sediment and Water (BS&W) in Crude and Heavy Oil: Centrifuge Method	TM OIL 040-90	ASTM D4007 Modified
Total Reduced Sulfur Analysis of Natural Gas: Gas Chromatography/Sulfur Chemiluminescence Detector. Hydrogen sulfide, Carbonyl Sulfide, MethylMercaptan, EthylMercaptan, DimethylSulfide, Carbon Disulfide, i- PropylMercaptan, t-ButylMercaptan, n-PropylMercaptan, MethylEthylSulfide, s-ButylMercaptan, i-ButylMercaptan, Diethylsulfide, n-ButylMercaptan, Dimethyl disulfide	TM GAS 014a-90	ASTM D5504 Modified
Total Sulfur: X-Ray Fluorescence Method Oil	TM OIL 060-90	ASTM D4294 Modified
Vapour Pressure - Automated VPCR - ASTM D 6377	TM OIL 125-90	ASTM D6377 Modified



Analyte(s)	Test Method(s)	Reference Method(s)
Water Content by Karl Fisher Coulometric Titration	TM OIL 160-90	ASTM D4928 Modified
Water Content		

- Key:**
- AOAC:** Association of Official Analytical Collaboration
 - ASTM:** American Society for Testing and Materials
 - APHA:** American Public Health Association (Standard Methods for the Examination of Water and Wastewater)
 - BCMOE:** British Columbia Ministry of Environment
 - CCME-CWS-PHCS Tier 1:** Canadian Council of Ministers of the Environment, Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil – Tier 1
 - EPA:** Environmental Protection Agency
 - GPA:** Gas Processors Association
 - MSS:** Manual on Soil Sampling and Methods of Analysis – J.A. McKeague, 1978
 - SSMA:** Soil Sampling and Methods of Analysis, Martin R. Carter, 2008





Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY CANADA INC.

Edmonton, Alberta, CANADA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to *joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 18th day of January 2021.

A blue ink signature of the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6206.01
Valid to January 31, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.