



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 2910  
**Laboratory Name:** ALS Environmental (Thunder Bay)  
**Parent Institution:** ALS Canada Ltd.  
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**Standard:** Conforms with requirements of ISO/IEC 17025  
**Clients Served:** All Interested Parties  
**Revised On:** December 11, 2020  
**Valid To:** November 11, 2022

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### Scope of Accreditation

<b>Water (Inorganic)</b> Acidity - Water (022) TY-TM-0039; modified from SM 2310 B AUTOMATED TITRIMETRIC Acidity	OSDWA †
<b>Water (Inorganic)</b> Alkalinity - Water (001) TY-TM-0039; modified from SM 2320 B AUTOMATED TITRIMETRIC Alkalinity (pH 4.5)	OSDWA †
<b>Water (Inorganic)</b> Ammonia - Water (069) TY-TM-0067; modified from SKALAR FLUOROMETRIC Ammonia	OSDWA †
<b>Water (Inorganic)</b> Anions - Water (062) NA-TM-1001; modified from EPA 300.1 ION CHROMATOGRAPHY (IC) Bromide Chloride Fluoride Nitrate	OSDWA †

† "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).

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Nitrite	
Sulfate	
<b>Water (Inorganic)</b>	OSDWA †
Biochemical Oxygen Demand (BOD) - Water (010)	
TY-TM-0003; modified from SM 5210 B	
DISSOLVED OXYGEN METER (DO)	
BOD (5 day)	
CBOD (5 day)	
<b>Water (Inorganic)</b>	OSDWA †
Chemical Oxygen Demand (COD) - Water (016)	
TY-TM-0004; modified from SM 5220 D	
COLORIMETRIC	
COD	
<b>Water (Inorganic)</b>	OSDWA †
Colour - Water (026)	
TY-TM-0018; modified from SM 2120 C	
COLORIMETRIC	
True Colour	
<b>Water (Inorganic)</b>	OSDWA †
Conductivity - Water (037)	
TY-TM-0039; modified from SM 2510 B	
CONDUCTIVITY METER	
Conductivity (25°C)	
<b>Water (Inorganic)</b>	OSDWA †
Dissolved Metals - Water (054)	
NA-TM-1002, NA-TP-2007; modified from EPA 6020A	
ICP/MS	
Aluminum	
Antimony	
Arsenic	
Barium	
Beryllium	
Bismuth	
Boron	
Cadmium	
Calcium	
Cesium	
Chromium	
Cobalt	
Copper	
Iron	
Lead	
Lithium	
Magnesium	
Manganese	
Molybdenum	

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Nickel  
Phosphorus  
Potassium  
Rubidium  
Selenium  
Silicon  
Silver  
Sodium  
Strontium  
Sulphur (Sulfur)  
Tellurium  
Thallium  
Thorium  
Tin  
Titanium  
Tungsten  
Uranium  
Vanadium  
Zinc  
Zirconium

**Water (Inorganic)** OSDWA †  
pH - Water (038)  
TY-TM-0039; modified from SM 4500-H+  
PH METER  
pH

**Water (Inorganic)** OSDWA †  
pH - Water (051)  
TY-TM-0054; modified from SM 4500-H+  
pH METER  
pH

**Water (Inorganic)** OSDWA †  
Phosphorus - Water (057)  
TY-TM-0058, TY-TP-0101; modified from SM 4500-P B and SM 4500-P F and SM 4500-P G  
COLORIMETRIC  
Phosphate  
Total Dissolved Phosphorus  
Total Phosphorus

**Water (Inorganic)** OSDWA †  
Solids - Water (009)  
NA-TM-1004, NA-TM-1008, TY-TM-0020; modified from SM 2540 B and SM 2540 C and SM 2540 D and SM 2540 E  
GRAVIMETRIC  
Total Dissolved Solids  
Total Solids (TS)  
Total Suspended Solids  
Volatile Suspended Solids

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**Water (Inorganic)**

OSDWA †

Total Kjeldahl Nitrogen (TKN) - Water (070)  
NA-TM-1006, TY-TM-0068; modified from SKALAR  
FLUOROMETRIC  
Total Kjeldahl Nitrogen

**Water (Inorganic)**

OSDWA †

Total Metals - Water (053)  
NA-TM-1002, NA-TP-2001, NA-TP-2007; modified from EPA 6020A  
ICP/MS  
Aluminum  
Antimony  
Arsenic  
Barium  
Beryllium  
Bismuth  
Boron  
Cadmium  
Calcium  
Cesium  
Chromium  
Cobalt  
Copper  
Iron  
Lead  
Lithium  
Magnesium  
Manganese  
Molybdenum  
Nickel  
Phosphorus  
Potassium  
Rubidium  
Selenium  
Silicon  
Silver  
Sodium  
Strontium  
Sulphur (Sulfur)  
Tellurium  
Thallium  
Thorium  
Tin  
Titanium  
Tungsten  
Uranium

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Vanadium	
Zinc	
Zirconium	
<b>Water (Inorganic)</b>	OSDWA †
Turbidity - Water (025)	
NA-TM-1007; modified from SM 2130 B	
TURBIDIMETRIC	
Turbidity	
<b>Water (Inorganic)</b>	OSDWA †
UV Absorbance and Transmittance - Water (052)	
TY-TM-0056; modified from SM 5910 B	
SPECTROPHOTOMETRIC	
UV Absorbance	
UV Transmittance	
<b>Water (Microbiology)</b>	OSDWA †
Coliforms - Water (046)	
NA-TM-1300; modified from SM 9223 B	
PRESENCE/ABSENCE (COLILERT)	
Escherichia coli	
Total Coliforms	
<b>Water (Microbiology)</b>	OSDWA †
Coliforms - Water (050)	
NA-TM-1300; modified from IDEXX QUANTI-TRAY -2000/200 and SM 9223 B	
QUANTI-TRAY	
Escherichia coli	
Total Coliforms	
<b>Water (Microbiology)</b>	OSDWA †
Fecal (Thermotolerant) Coliforms - Water (068)	
NA-TM-1300; modified from SM 9223 B	
ENZYME SUBSTRATE	
Fecal (Thermotolerant) Coliforms	
<b>Water (Microbiology)</b>	OSDWA †
Heterotrophic Plate Count (HPC) - Water (067)	
NA-TM-1301; modified from SM 9215 B	
POUR PLATE	
Heterotrophic Plate Count (HPC)	

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