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**Membership Number:** 2910  
**Laboratory Name:** ALS Environmental (Thunder Bay)  
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**Standard:** Conforms with requirements of ISO/IEC 17025  
**Clients Served:** All Interested Parties  
**Revised On:** August 4, 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 AUTO TITRIMETRIC Acidity	OSDWA †
<b>Water (Inorganic)</b> Alkalinity - Water (001) TY-TM-0039; modified from SM 2320 B AUTO TITRIMETRIC Alkalinity (pH 4.5)	OSDWA †
<b>Water (Inorganic)</b> Ammonia - Water (069) TY-TM-0067; modified from SKALAR FLUORIMETRY Ammonia	
<b>Water (Inorganic)</b> Anions - Water (062) NA-TM-1001; modified from EPA 300.1 ION CHROMATOGRAPHY Bromide Chloride Fluoride Nitrate Nitrite Sulfate	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).

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)

<b>Water (Inorganic)</b> Biochemical Oxygen Demand (BOD) - Water (010) TY-TM-0003; modified from SM 5210 B D.O. METER BOD (5 day) CBOD (5 day)	OSDWA †
<b>Water (Inorganic)</b> Chemical Oxygen Demand (COD) - Water (016) TY-TM-0004; modified from SM 5220 D COLORIMETRIC COD	OSDWA †
<b>Water (Inorganic)</b> Colour - Water (026) TY-TM-0018; modified from SM 2120 C COLORIMETRIC True Colour	OSDWA †
<b>Water (Inorganic)</b> Conductivity - Water (037) TY-TM-0039; modified from SM 2510 B AUTOMATED CONDUCTANCE METER Conductivity (25°C)	OSDWA †
<b>Water (Inorganic)</b> 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 Nickel Phosphorus Potassium Rubidium	OSDWA †

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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+  
AUTOMATED 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 - DISCRETE ANALYZER  
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

**Water (Inorganic)**

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

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**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

Vanadium

Zinc

Zirconium

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

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