



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3010
Laboratory Name: CARO Analytical Services - Kelowna
Parent Institution: CARO Analytical Services
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Standard: Conforms with requirements of ISO/IEC 17025:2017
Clients Served: All Interested Parties
Revised On: August 30, 2021
Valid To: February 28, 2024

Scope of Accreditation

Solids (Inorganic)

Asbestos - Solids [Bulk] (043)
CK-TM-061; EPA 600/R-93/116
POLARIZED LIGHT MICROSCOPY (PLM)
Bulk Asbestos

Solids (Inorganic)

Organic Carbon - Solids (047)
CK-TM-041; BC MOE LABORATORY MANUAL
INFRARED SPECTROSCOPY (IR) - COMBUSTION
Organic Carbon

Water (Inorganic)

Acidity - Water (046)
CK-TM-040; modified from SM 2310 B
TITRIMETRIC
Acidity

Water (Inorganic)

Alkalinity - Water (029)
CK-TM-001; modified from SM 2320 B
AUTOMATED TITRIMETRIC
Alkalinity (pH 4.5)

† "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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Water (Inorganic)

Ammonia - Water (002)
CK-TM-067; modified from SM 4500-NH3 G
AUTOMATED COLORIMETRIC
Ammonia

Water (Inorganic)

Anions - Water (005)
CK-TM-005; SM 4110 B
ION CHROMATOGRAPHY (IC)
Bromide
Chloride
Fluoride
Nitrate
Nitrite
Phosphate
Sulfate

Water (Inorganic)

Biochemical Oxygen Demand (BOD) - Water (032)
CA-TM-003; SM 5210 B
DISSOLVED OXYGEN METER (DO)
BOD (5 day)
CBOD (5 day)
Soluble Biochemical Oxygen Demand (SBOD)

Water (Inorganic)

Carbon - Water (006)
CK-TM-008; SM 5310 B
INFRARED SPECTROSCOPY (IR) - COMBUSTION
Organic Carbon

Water (Inorganic)

Chemical Oxygen Demand (COD) - Water (004)
CA-TM-004; SM 5220 D
COLORIMETRIC - REFLUX
COD

Water (Inorganic)

Chlorine - Water (051)
CA-TM-002; modified from SM 4500-CL- G
COLORIMETRIC
Free Chlorine
Total Chlorine

Water (Inorganic)

Colour - Water (038)
CK-TM-049; SM 2120 C
SPECTROPHOTOMETRIC
True Colour

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Water (Inorganic)

Conductivity - Water (030)
CK-TM-006; SM 2510 B
AUTOMATED CONDUCTIVITY METER
Conductivity (25°C)

Water (Inorganic)

Cyanide - Water (048)
CK-TM-069; modified from ASTM D7511-12
AMPEROMETRIC TITRATION
Cyanide (SAD)
Cyanide (WAD)

Water (Inorganic)

Nitrate plus Nitrite - Water (040)
CK-TM-060; modified from SM 4500-NO3- F
COLORIMETRIC
Nitrate plus Nitrite
Nitrite
Nitrogen

Water (Inorganic)

Nitritotriacetic Acid (NTA) - Water (052)
CK-TM-021; BC MOE LABORATORY MANUAL
COLORIMETRIC
Nitritotriacetic acid (NTA)

Water (Inorganic)

pH - Water (031)
CK-TM-014; SM 4500-H+ B
AUTOMATED PH METER
pH

Water (Inorganic)

Solids - Water (013)
CA-TM-006, CK-TM-018; modified from SM 2540 C and SM 2540 D and SM 2540 E
GRAVIMETRIC
Total Dissolved Solids
Total Suspended Solids
Volatile Suspended Solids

Water (Inorganic)

Thiocyanate - Water (042)
CK-TM-022; SM 4500-CN- M
COLORIMETRIC
Thiocyanate

Water (Inorganic)

Total Kjeldahl Nitrogen (TKN) - Water (012)
CK-TM-015; modified from SM 4500-NORG
COLORIMETRIC - DIGESTION
Dissolved Kjeldahl Nitrogen

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Total Kjeldahl Nitrogen

Water (Inorganic)

Total Phosphorus - Water (044)
CK-TM-033; modified from SM 4500-P F
COLORIMETRIC - PERSULPHATE DIGESTION
Dissolved Phosphorus
Total Phosphorus

Water (Inorganic)

Turbidity - Water (033)
CK-TM-011; SM 2130 B
NEPHELOMETRIC
Turbidity

Water (Inorganic)

UV Absorbance and Transmittance - Water (045)
CK-TM-048; modified from SM 5910 B (2011)
SPECTROPHOTOMETRIC
UV Absorbance
UV Transmittance

Water (Microbiology)

Coliforms - Water (028)
CK-TM-050; modified from EMD MANUAL and SM 9222
MEMBRANE FILTRATION (CHROMOCULT)
Escherichia coli
Total Coliforms

Water (Microbiology)

Coliforms - Water (049)
CA-TM-009; SM 9223
QUANTI-TRAY (COLILERT-18)
Escherichia coli (E. coli)
Fecal (Thermotolerant) Coliforms
Total Coliforms

Water (Microbiology)

Coliforms - Water (050)
CA-TM-009; SM 9223
QUANTI-TRAY (COLISURE)
Escherichia coli (E. coli)
Total Coliforms

Water (Microbiology)

Escherichia coli (E. coli) - Water (023)
CK-TM-020; SM 9222 G
MEMBRANE FILTRATION (NA-MUG)
Escherichia coli

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Water (Microbiology)

Escherichia coli (E. coli) - Water (027)

CK-TM-024; modified from SM 9221 C (PREPARATION) and SM 9221 F (ANALYSIS)

MOST PROBABLE NUMBER (MULTIPLE TUBE FERMENTATION) (MPN-MTF)

Escherichia coli (E. coli)

Water (Microbiology)

Fecal (Thermotolerant) Coliforms - Water (022)

CK-TM-020; SM 9222 D

MEMBRANE FILTRATION (M-FC)

Fecal (Thermotolerant) Coliforms

Water (Microbiology)

Fecal (Thermotolerant) Coliforms - Water (026)

CK-TM-024; modified from SM 9221 C (PREPARATION) and SM 9221 E (ANALYSIS)

MOST PROBABLE NUMBER (MULTIPLE TUBE FERMENTATION) (MPN-MTF)

Fecal (Thermotolerant) Coliforms

Water (Microbiology)

Heterotrophic Plate Count (HPC) - Water (024)

CK-TM-023; SM 9215 D

MEMBRANE FILTRATION (R2A)

Heterotrophic Plate Count (HPC)

Water (Microbiology)

Total Coliforms - Water (025)

CK-TM-024; modified from SM 9221 B (ANALYSIS) and SM 9221 C (PREPARATION)

MOST PROBABLE NUMBER (MULTIPLE TUBE FERMENTATION) (MPN-MTF)

Total Coliforms

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