TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

La présente portée d'accréditation existe également en français et est publiée séparément.

Legal Name of Accredited Laboratory:	**New Brunswick Research and Productivity Council**
Location Name or Operating as (if applicable):	**(RPC)**
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To ensure compliance with the *Official Languages Act*, the Standards Council of Canada (SCC) translated proprietary content from English to French when it was not available in French. In case of discrepancies between the English and French versions, the original version prevails.

SCC File Number:	15213
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological Chemical/Physical
Program Specialty Area:	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Environmental Testing (ET)
Initial Accreditation:	1994-02-01
Most Recent Accreditation:	2025-04-23
Accreditation Valid to:	2026-02-01

Canada

SCC Group Accreditation:
This laboratory is a part of a Group Accreditation with the following facilities in accordance with SCC's policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.
-15896 - RPC – Moncton, 115-A Harrisville Blvd, Moncton, NB, E1H 3T3

The Medical Gas Piping System inspection portion of RPC's scope of accreditation may be found at:https://www.scc.ca/en/accreditation/inspection-bodies/directory-of-accredited-clients

ANIMAL AND PLANTS (AGRICULTURE)

Agricultural products (except food and chemicals):

For the digestion of plant & animal tissue and derived materials for the analysis of trace elements and mercury please see Foods and Edible Products section below.

Cannabis

For cannabis methods please see Cannabis and Cannabis Products section below.

Foods and Edible Products (Human and Animal Consumption):

SOP IAS-M26	MICROWAVE ASSISTED DIGESTION OF PLANT & ANIMAL TISSUE AND DERIVED MATERIALS
	Technique: Microwave Assisted Acid Digestion, subsequent analysis by ICP-MS and/or ICP-ES, CVAAS
	Matrix: Plant & Animal Tissue and Derived Materials
	Analytes: Trace elements by ICP-MS/ICP-ES, mercury by CVAAS
SOP AEB-FH17	RNA EXTRACTION USING QIAZOL AND TRIZOL LS REAGENTS
	Technique: RNA Extraction
	Matrix: Fish tissue/fluids, swabs, cell lysate
SOP AEB-FH18	THE DETECTION OF ISAV BY RT-PCR AND REALTIME RT-PCR
	Technique: Polymerase chain reaction (PCR)
	Matrix: Salmon
	Analyte: Infectious Salmon Anemia Virus (ISAV)

Cannabis and Cannabis Products

SOP RCS-M34	THE DETERMINATION OF CANNABINOIDS IN CANNABIS AND CANNABIS PRODUCTS BY HPLC-DAD
	Technique: HPLC-DAD
	Matrix: Cannabis plant material, extracts, edibles (e.g. chocolates, gummies, beverages), topicals

	Analytes for plant material and extracts: Cannabidivarinic Acid (CBDVA) Cannabidivarin (CBDV) Cannabidiolic Acid (CBDA) Cannabigerolic Acid (CBGA) Cannabigerol (CBG) Cannabidiol (CBD) Tetrahydrocannabivarin (THCV) Tetrahydrocannabivarinic Acid (THCVA) Cannabinol (CBN) Cannabinolic Acid (CBNA) Delta-9-Tetrahydrocannabinol (d-9-THC) Delta-8-Tetrahydrocannabinol (d-8-THC) Cannabicyclol (CBL) Cannabichromene (CBC) Delta-9 Tetrahydrocannabinol (THCA) Cannabichromenic Acid (CBCA) Cannabicyclolic Acid (CBLA)	Analytes for chocolates, gummies, topicals: Delta-9-Tetrahydrocannabinol (d-9-THC) Delta-9 Tetrahydrocannabinol (THCA) Cannabidiol (CBD) Cannabidiolic Acid (CBDA) Analytes for beverages: Delta-9-Tetrahydrocannabinol (d-9-THC) Delta-9 Tetrahydrocannabinol (THCA) Cannabidiol (CBD) Cannabidiolic Acid (CBDA) Cannabinol (CBN) Cannabigerol (CBG) Cannabigerolic Acid (CBGA) Cannabichromene (CBC)
USP 62 (SOP MICRO30)	MICROBIOLOGICAL METHOD FOR PERFORMING BILE-TOLERANT GRAM-NEGATIVE BACTERIA USING U.S. PHARMACOPEIA CHAPTER 62	
	Technique: Isolation and identification/culture based	
	Matrix: Cannabis and cannabis products	
	Analytes: Bile Tolerant Gram-Negative bacteria (Presence/absence)	
USP 62 (SOP MICRO31)	MICROBIOLOGICAL METHOD FOR PERFORMING *PSEUDOMONAS AERUGINOSA* ANALYSIS USING U.S. PHARMACOPEIA CHAPTER 62	
	Technique: Isolation and identification/culture based	
	Matrix: Cannabis and cannabis products	
	Analytes: Pseudomonas aeruginosa	
USP 62 (SOP MICRO32)	MICROBIOLOGICAL METHOD FOR PERFORMING *E. coli* ANALYSIS USING U.S. PHARMACOPEIA CHAPTER 62	
	Technique: Isolation and identification/culture based	
	Matrix: Cannabis and cannabis products	
	Analytes: *Escherichia coli*	
USP 62 (SOP MICRO39)	MICROBIOLOGICAL METHOD FOR PERFORMING *STAPHYLOCOCCUS AUREUS* ANALYSIS USING U.S. PHARMACOPEIA CHAPTER 62	
	Technique: Isolation and identification/culture based	
	Matrix: Cannabis and cannabis products	
	Analytes: *Staphylococcus aureus*	
SOP MICRO40	DETERMINATION OF THE AEROBIC COLONY COUNT IN CANNABIS PRODUCTS	
	Technique: Direct plating method	
	Matrix: Cannabis and cannabis products	
	Analytes: Aerobic Bacteria	
SOP MICRO41	ENUMERATION OF YEAST AND MOULDS IN CANNABIS PRODUCTS	
	Technique: Direct plating method	
	Matrix: Cannabis and cannabis products	
	Analytes: Yeast Mould	
SOP MICRO42	ISOLATION AND IDENTIFICATION OF *SALMONELLA* FROM CANNABIS PRODUCTS	
	Technique: Isolation and identification/culture based	
	Matrix: Cannabis and cannabis products	
	Analytes: *Salmonella*	
SOP MICRO43	DETECTION OF PATHOGENS IN CANNABIS PLANT/FLOWER USING qPCR	
	Technique: Real-time quantitative PCR	

	Matrix: Cannabis plant/flower
	Analytes: *Salmonella* *Escherichia coli* *Staphylococcus aureus* *Pseudomonas aeruginosa*
SOP MICRO44	DETECTION OF PATHOGENS IN MIP & EXTRACTS USING qPCR
	Technique: Real-time quantitative PCR
	Matrix: Marijuana infused products (MIP) and extracts
	Analytes: *Salmonella* *Escherichia coli* *Staphylococcus aureus* *Pseudomonas aeruginosa*
SOP MICRO48	ENUMERATION OF YEAST AND MOULD (MOLD) IN CANNABIS AND CANNABIS PRODUCTS USING 3M™ PETRIFILM™ RAPID YEAST AND MOLD COUNT PLATE (modified AOAC 2014.05)
	Technique: Direct plating method
	Matrix: Cannabis and cannabis products
	Analytes: Yeast Mould
SOP MICRO49	ENUMERATION OF ENTEROBACTERIACEAE OR BILE-TOLERANT, GRAM-NEGATIVE BACTERIA IN CANNABIS AND CANNABIS PRODUCTS USING 3M™ PETRIFILM™ ENTEROBACTERIACEAE COUNT PLATES (modified MFLP-09)
	Technique: Direct plating method
	Matrix: Cannabis and cannabis products
	Analytes: *Enterobacteriaceae*, Bile-Tolerant, Gram-Negative Bacteria
SOP MICRO53	ENUMERATION OF AEROBIC BACTERIA IN CANNABIS AND CANNABIS PRODUCTS USING 3M™ PETRIFILM™ RAPID AEROBIC COUNT PLATES (modified AOAC 2015.13)
	Technique: Direct plating method
	Matrix: Cannabis and cannabis products
	Analytes: Aerobic Bacteria

Nutrition Labelling

SOP IAS-M41 / IAS-M29	ANALYSIS OF MINERALS IN FOOD
	Technique: Microwave Assisted Acid Digestion, analysis by ICP-ES
	Matrix: Food
	Analytes: Na, K, Ca, Mg, and Fe
SOP OAS-FC01	DETERMINATION OF MOISTURE IN FOODS
	Technique: Oven drying
	Matrix: Food
	Analytes: Moisture
SOP OAS-FC02	DETERMINATION OF ASH IN FOODS
	Technique: Drying at 550°C
	Matrix: Food
	Analytes: Ash
SOP OAS-FC03	DETERMINATION OF FAT IN FOODS BY SOXTEC EXTRACTION
	Technique: Soxtec Extraction
	Matrix: Food
	Analytes: Fat
SOP OAS-FC04	DETERMINATION OF PROTEIN IN FOODS

	Technique: Block digestion method
	Matrix: Food
	Analytes: Crude Protein
SOP OAS-FC06	DETERMINATION OF FAT IN FOODS BY ACID HYDROLYSIS
	Technique: Acid Hydrolysis
	Matrix: Food
	Analytes: Crude Fat
SOP OAS-FC07	DETERMINATION OF FATTY ACIDS IN FOODS
	Technique: Hydrolytic extraction, analysis by GC-FID
	Matrix: Food
	Analytes: Monounsaturates, Polyunsaturates, Saturates, Total Fat, Trans Fatty Acids, EPA, DHA
SOP OAS-FC08 / SOP OAS-FC14	ANALYSIS OF CHOLESTEROL IN FOOD SAMPLES BY GC-FID
	Technique: GC FID
	Matrix: Food
	Analytes: Cholesterol
SOP OAS-FC09	DETERMINATION OF SUGARS IN FOODS
	Technique: HPLC-RI
	Matrix: Food
	Analytes: Fructose, Glucose, Lactose, Maltose, and Sucrose
SOP OAS-FC10	THE DETERMINATION OF TOTAL DIETARY FIBRE IN FOODS Technique: Enzymatic-Gravimetric Method Matrix: Food Analytes: Dietary Fibre

Unprocessed Milk:

Chemical Tests

IDF 141:2018 ISO 9622:2013 AOAC 978.26 (SOP OAS-FC20)	DETERMINATION FAT, PROTEIN, LACTOSE, MUN, AND SOMATIC CELLS IN RAW MILK USING THE COMBIFOSS™
AOAC 961.07 (SOP OAS-FC21)	FREEZING POINT DETERMINATION FOR ADDED WATER IN MILK BY CRYOSCOPE

Microbiological Tests

SOP OAS-FC24	ENUMERATION OF BACTERIA IN RAW MILK USING BACTOSCAN™ FC
Charm ® Trio Test SOP OAS-FC38	ANALYSIS OF MILK SAMPLES FOR THE PRESENCE OF ANTIBIOTIC/DRUG RESIDUES USING THE CHARM® TRIO METHOD

Microbiology - Food

MFHPB-18 SOP MICRO04	DETERMINATION OF THE AEROBIC COLONY COUNT IN FOODS
	Technique: Direct plating method
	Matrix: Food
	Analytes: Aerobic bacteria

SOP MICRO05	THE ANALYSIS OF COLIFORMS, FAECAL COLIFORMS AND *E. coli in foods*
	Technique: Multiple tube fermentation method
	Matrix: Food
	Analytes: Coliforms Faecal Coliform *Escherichia coli (E. coli)*
MFHPB-20 (SOP MICRO06)	ISOLATION AND IDENTIFICATION OF *Salmonella* FROM FOODS AND ENVIRONMENTAL SAMPLES
	Technique: Isolation and identification/culture based
	Matrix: Foods and environmental samples
	Analytes: *Salmonella*
MFHPB-21 (SOP MICRO07)	*ENUMERATION OF STAPHYLOCOCCUS AUREUS* IN FOODS
	Technique: Direct plating method
	Matrix: Food
	Analytes: *Staphylococcus aureus*
SOP MICRO08	ISOLATION OF *Listeria monocytogenes* AND OTHER *Listeria* spp FROM FOODS AND ENVIRONMENTAL SAMPLES (MFHPB-30 (qualitative), MFLP-74 (quantitative)
	Technique: Direct plating method (qualitative), Isolation and identification (quantitative)
	Matrix: Food and environmental samples
	Analytes: *Listeria monocytogenes*
MLG 4 (SOP MICRO12)	ISOLATION AND IDENTIFICATION OF *Salmonella* FROM MEAT, POULTRY, PASTEURIZED EGG, AND SILURIFORMES (FISH) PRODUCTS AND CARCASS AND ENVIRONMENTAL SPONGES
	Technique: Molecular, confirmation by culture method
	Matrix: Meat, poultry, pasteurized egg, siluriformes (fish) products and carcass and environmental sponges
	Analytes: *Salmonella*
SOP MICRO18	DETERMINATION OF ENTEROBACTERIACEAE (modified MFLP-43)
	Technique: Direct plating method
	Matrix: Food
	Analytes: Enterobacteriaceae bacteria
MLG41 (SOP MICRO27)	ISOLATION, IDENTIFICATION, AND ENUMERATION OF *Campylobacter jejuni/Coli/lari* FROM POULTRY RINSE, SPONGE AND RAW PRODUCT SAMPLES
	Technique: Molecular, confirmation by culture method
	Matrix: Rinse, sponge and raw product samples
	Analytes: *Campylobacter jejuni/Coli/lari*
SOP MICRO45 (MFLP-100)	DETECTION OF *Salmonella spp*. IN FOODS USING THE 3M™ MOLECULAR DETECTION SYSTEM
	Technique: MDS
	Matrix: Food
	Analytes: *Salmonella spp*
SOP MICRO46 (MFLP-111)	DETECTION OF *Listeria monocytogenes* IN FOODS USING THE 3M™ MOLECULAR DETECTION SYSTEM TEST KIT VERSION 2
	Technique: MDS
	Matrix: Food
	Analytes: *Listeria monocytogenes*

SOP MICRO47 (MFLP-101)	DETECTION OF *Listeria spp*.IN ENVIRONMENTAL SURFACE SAMPLES USING THE 3M™ MOLECULAR DETECTION SYSTEM TEST KIT VERSION 2
	Technique: MDS
	Matrix: Environmental surface samples
	Analytes: *Listeria spp*
MFHPB-33 (SOP MICRO54)	ENUMERATION OF TOTAL AEROBIC BACTERIA IN FOOD PRODUCTS AND FOOD INGREDIENTS USING 3M™ PETRIFILM™ AEROBIC COUNT PLATES
	Technique: Direct plating method
	Matrix: Food
	Analytes: Aerobic bacteria
MFHPB-32 (SOP MICRO55)	ENUMERATION OF YEAST AND MOULD (MOLD) IN FOOD PRODUCTS AND FOOD INGREDIENTS USING 3M™ PETRIFILM™ YEAST AND MOLD COUNT PLATES
	Technique: Direct plating method
	Matrix: Food
	Analytes: Yeast Mould
MFHPB-34 (SOP MICRO57)	ENUMERATION OF *Escherichia Coli* AND *Coliforms* IN FOOD PRODUCTS AND FOOD INGREDIENTS USING 3M™ PETRIFILM™ E. COLI COUNT PLATES
	Technique: Direct plating method
	Matrix: Food
	Analytes: *Escherichia coli (E. coli)* *Coliforms*

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Air

For air monitoring, please see Occupational Health & Safety section, below.

Oil

SOP OAS-SV03	DETERMINATION OF POLYCHLORINATED BIPHENYLS IN OIL
	Technique: GC-ECD
	Matrix: Oil
	Analytes: Total PCBs (as Aroclor)

Soil/Sediment (Mercury and Metals)

SOP IAS-M52 / SOP IAS-M53	TOTAL MERCURY ANALYSIS BY COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRY
	Technique: CVAAS
	Matrix: Soil, sediment, solid samples
	Analytes: Total mercury
SOP IAS-M29	For analysis of trace metals by ICP-ES, see the Water (Inorganic) section, below.
SOP IAS-M01	For analysis of trace metals by ICP-MS, see in the Water (Inorganic) section, below.

Soil/Sediment (Petroleum Hydrocarbons)

SOP OAS-HC03	DETERMINATION OF PETROLEUM HYDROCARBONS (ATLANTIC MUST) IN SOIL	
	Technique: VPH analysis by methanol extraction, purge and trap GC/MS EPH analysis by solvent extraction GC-FID	
	Matrix: Soil	
	Analytes:	
	Aliphatic > C8-C10	Ethylbenzene
	Aliphatic >C10-C12	Extractable Petroleum Hydrocarbons (>C10-C16)
	Aliphatic >C12-C16	Extractable Petroleum Hydrocarbons (>C16-C21)
	Aliphatic >C16-C21	Extractable Petroleum Hydrocarbons (>C21-C32)
	Aliphatic >C21-32	F1: C6-C10
	Aliphatic C6-C8	F2: C10-C16
	Aromatic > C10-C12	F3: C16-C34
	Aromatic > C12-C16	m/p-xylene
	Aromatic > C16-C21	Methyl Tert butyl Ether (MTBE)
	Aromatic > C21-C32	o-xylene
	Aromatic > C8-C10	Toluene
	Benzene	Volatile Petroleum Hydrocarbons (C6-C10) (less BTEX)

Soil/Sediment (Polycyclic Aromatic Hydrocarbons (PAH))

SOP OAS-HC06	THE DETERMINATION OF POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL	
	Technique: Solvent extraction, GC/MS	
	Matrix: Soil	
	Analytes:	
	Acenaphthene	Chrysene
	Acenaphthylene	Dibenzo (a,h) anthracene
	Anthracene	Fluoranthene
	Benzo (a) anthracene	Fluorene
	Benzo (a) pyrene	Indeno (1,2,3 - cd) pyrene
	Benzo (b) fluoranthene	Naphthalene
	Benzo (g,h,i) perylene	Phenanthrene
	Benzo (k) fluoranthene	Pyrene

	Benzo (e) pyrene	

Water (Inorganic)

SOP IAS-M43	THE MEASUREMENT OF ALKALINITY BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Alkalinity (pH 4.5)
SOP IAS-M47	THE MEASUREMENT OF AMMONIA BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Ammonia
SOP IAS-M07	THE MEASUREMENT OF BIOCHEMICAL OXYGEN DEMAND (BOD-5 day, BOD_5)
	Technique: Luminescence
	Matrix: Aqueous samples
	Analytes: BOD_5, $CBOD_5$
SOP IAS-M40	THE MEASUREMENT OF CHEMICAL OXYGEN DEMAND BY CLOSED REFLUX COLORIMETRIC METHOD
	Technique: Closed Reflux Colorimetric Method
	Matrix: Aqueous samples
	Analytes: COD
SOP IAS-M44	THE MEASUREMENT OF CHLORIDE BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Chloride
SOP IAS-M55	THE MEASUREMENT OF COLOUR BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Colour
SOP IAS-M04	THE MEASUREMENT OF CONDUCTIVITY OF AQUEOUS SAMPLES
	Technique: Electrolytic conductivity by meter or ECM
	Matrix: Aqueous samples
	Analytes: Conductivity (25 ºC)
SOP IAS-M01	ANALYSIS OF TRACE ELEMENTS BY INDUCTIVELY COUPLED PLASMA-MASS SPECTROMETRY
	Technique: ICP-MS
	Matrix: Dissolved and Extractable Metals
	Analytes: Ag (water only), Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Rb, Sb, Se, Sn, Sr, Te, Tl, U, V, Zn
SOP IAS-M29	ANALYSIS OF TRACE ELEMENTS BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY
	Technique: ICP-ES
	Matrix: Dissolved and Extractable Metals

	Analytes: Al, Sb, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Rb, Se, Si (Water only), S (Water only), Sr, Te, Ti (Water only), Tl, V, Zn
SOP IAS-M30	THE MEASUREMENT OF FLUORIDE BY COLOURIMETRIC DETERMINATION
	Technique: Colourimetric
	Matrix: Aqueous samples
	Analytes: Fluoride
SOP IAS-M39	THE ANALYSIS OF ANIONS BY ION CHROMATOGRAPHY
	Technique: IC
	Matrix: Aqueous samples
	Analytes: Bromide, Chloride, Fluoride, Nitrate, Nitrite, and Sulfate
SOP IAS-M52 / SOP IAS-M53	TOTAL MERCURY ANALYSIS BY COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRY
	Technique: CVAAS
	Matrix: Aqueous samples
	Analytes: Total Mercury
SOP IAS-M48	THE MEASUREMENT OF NITRATE PLUS NITRITE BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Nitrate plus Nitrite
SOP IAS-M49	THE MEASUREMENT OF NITRITE BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Nitrite
SOP IAS-M03	THE MEASUREMENT OF pH OF AQUEOUS SAMPLES
	Technique: Electrometrically by meter or ECM
	Matrix: Aqueous samples
	Analytes: pH
SOP IAS-M50	THE MEASUREMENT OF PHOSPHATE BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Phosphate
SOP IAS-M46	THE MEASUREMENT OF SILICA BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Silica
SOP IAS-M45	THE MEASUREMENT OF SULFATE BY AUTOMATED DISCRETE ANALYZER
	Technique: Automated Discrete Analyzer
	Matrix: Aqueous samples
	Analytes: Sulfate
SOP IAS-M16	THE MEASUREMENT OF TOTAL KJELDAHL NITROGEN (TKN)
	Technique: Kjeldahl digestion, analysis by automated discrete analyzer

	Matrix: Aqueous samples
	Analytes: Total Kjeldahl Nitrogen
SOP IAS-M17	THE MEASUREMENT OF TOTAL PHOSPHORUS IN AQUEOUS SAMPLES
	Technique: Persulfate Digest/Ascorbic Acid Colorimetry
	Matrix: Aqueous samples
	Analytes: Total Phosphorus
SOP IAS-M05	THE DETERMINATION OF TOTAL SUSPENDED SOLIDS (TSS) IN AQUEOUS SAMPLES
	Technique: Oven dried
	Matrix: Aqueous samples
	Analytes: TSS
SOP IAS-M06	THE MEASUREMENT OF TURBIDITY BY NEPHELOMETRY Technique: Nephelometry Matrix: Aqueous samples Analytes: Turbidity

Water (Microbiology)

SOP MICRO10	THE DETECTION OF *Coliforms* AND *E. coli* IN WATER USING COLILERT® TEST KITS
	Technique: Enzyme Substrate
	Matrix: Water
	Analytes: *Escherichia coli (E. coli)* *Total Coliforms* *Faecal Coliforms* *Escherichia coli (E. coli)* Presence/Absence *Total Coliforms* Presence/Absence
SOP MICRO35	DETERMINATION OF ENTEROCOCCI IN WATER BY THE IDEXX ENTEROLERT METHOD *Enterococci*
	Technique: Enzyme Substrate
	Matrix: Recreational Water - Marine & Fresh
	Analytes: *Enterococci*
SOP MICRO50	ENUMERATION OF TOTAL COLIFORMS, FAECAL COLIFORMS AND *E. COLI* IN WATER AND WASTEWATER BY MEMBRANE FILTRATION
	Technique: Membrane Filtration
	Matrix: Water and wastewater
	Analytes: Total Coliform Faecal Coliform *Escherichia coli (E. coli)*
SOP MICRO58	PERFORMING HETEROTROPHIC PLATE COUNT USING IDEXX SIMPLATE Heterotrophic Plate Count (HPC)
	Technique: Enzyme Substrate
	Matrix: Water
	Analytes: Heterotrophic bacteria

Water (Organic)

SOP IAS-M57	THE MEASUREMENT OF ORGANIC CARBON (OC) BY COMBUSTION/INFRARED AND TOTAL NITROGEN (TN) BY COMBUSTION/CHEMILUMINESCENCE IN WATER AND WASTEWATER
	Technique: Combustion/infrared and combustion/chemiluminescence

	Matrix: Water and wastewater	
	Analytes: Total Nitrogen (TN) Organic Carbon (OC)	
SOP OAS-HC08	THE DETERMINATION OF BENZO (a) PYRENE (BAP) AND PENTACHLOROPHENOL IN WATER	
	Technique: Solvent extraction, GC/MS	
	Matrix: Water	
	Analytes: Benzo (a) pyrene Pentachlorophenol	
SOP OAS-HC05	THE DETERMINATION OF HALOACETIC ACIDS IN DRINKING WATER	
	Technique: Solvent extraction, derivatization, GC-MS	
	Matrix: Water	
	Analytes:	
	Bromoacetic acid	Dibromoacetic acid
	Bromochloroacetic acid	Dichloroacetic acid
	Chloroacetic acid	Trichloroacetic acid
SOP OAS-SV05	THE DETERMINATION OF ORGANOCHLORINE PESTICIDES IN WATER	
	Technique: Solvent extraction, column clean-up, GC-ECD	
	Matrix: Water	
	Analytes:	
	A -BHC	Lindane (gamme-BHC)
	Endosulfan I	Mirex
	Endosulfan II	o.p' - DDT
	Endrin	p,p' - DDT
	Heptachlor Epoxide	p,p' Methoxychlor
SOP OAS-SV04	DETERMINATION OF POLYCHLORINATED BIPHENYLS IN WATER	
	Technique: Solvent extraction, column clean-up, GC-ECD	
	Matrix: Water	
	Analytes: Total PCBs (as Aroclor)	
SOP OAS-HC04	DETERMINATION OF PETROLEUM HYDROCARBONS (ATLANTIC MUST) IN WATER SAMPLES	
	Technique: VPH analysis by purge and trap GC/MS EPH analysis by solvent extraction GC-FID	
	Matrix: Water	
	Analytes:	
	Aliphatic > C8-C10	Benzene
	Aliphatic >C10-C12	Ethylbenzene
	Aliphatic >C12-C16	Extractable Petroleum Hydrocarbons (>C10-C16)
	Aliphatic >C16-C21	Extractable Petroleum Hydrocarbons (>C16-C21)
	Aliphatic >C21-C32	Extractable Petroleum Hydrocarbons (>C21-C32)
	Aliphatic C6-C8	m/p-xylene
	Aromatic > C8-C10	Methyl Tert butyl Ether (MTBE)
	Aromatic >C10-C12	o-xylene
	Aromatic >C12-C16	Toluene
	Aromatic >C16-C21	Volatile Petroleum hydrocarbons (C6-C10) (less

	Aromatic >C21-C32	BTEX)
SOP OAS-HC07	THE DETERMINATION OF POLYNUCLEAR AROMATIC HYDROCARBONS (PAH) IN WATER	
	Technique: Solvent extraction, GC-MSD	
	Matrix: Water	
	Analytes:	
	Acenaphthene	Chrysene
	Acenaphthylene	Dibenzo (a,h) anthracene
	Anthroncene	Fluoranthene
	Benzo (a) pyrene	Fluorene
	Benzo (a)-anthracene	Indeno (1,2,3 - cd) pyrene
	Benzo (b) fluoranthene	Naphthalene
	Benzo (g,h,i) perylene	Phenanthrene
	Benzo (k) fluoranthene	Pyrene
	Benzo (e) pyrene	
SOP OAS-HC02	THE DETERMINATION OF VOLATILE ORGANIC COMPOUNDS (VOC) IN WATER	
	Technique: Purge and trap GC/MS	
	Matrix: Water	
	Analytes:	
	1,1,1-Trichloroethane	Bromomethane
	1,1,2,2-Tetrachloroethane	Carbon Tetrachloride
	1,1,2-Trichloroethane	Chlorobenzene
	1,1-Dichloroethane	Chlorodibromomethane
	1,1-dichloroethylene	Chloroethane
	1,2-dichlorobenzene	Chloroform
	1,2-dichloroethane	Chloromethane
	1,2-Dichloroethylene (E)	Dichloromethane
	1,2-Dichloroethylene (Z)	Ethylbenzene
	1,2-Dichloropropane	Ethylene Dibromide
	1,3-Dichlorobenzene	m/p-xylene
	1,3-Dichloropropylene (E)	o-xylene
	1,3-Dichloropropylene (Z)	Styrene
	1,4-dichlorobenzene	Tetrachloroethylene
	Benzene	Toluene
	Bromochloromethane	Trichloroethylene
	Bromodichloromethane	Trichlorofluoromethane
	Bromoform	Vinyl Chloride

Occupational Health and Safety:

Air Monitoring#

SOP CAG02	PROCEDURE FOR THE MEASUREMENT OF DEW POINT AND WATER VAPOUR IN COMPRESSED AIR AND
	Technique: Hygrometer
	Matrix: Compressed air and gases

	Analytes: Dew point, water vapour
SOP CAG03	PROCEDURE FOR MEASURING NITROGEN OXIDES AND SULPHUR DIOXIDE IN GAS SAMPLES
	Technique: Detector tubes
	Matrix: Compressed air and gases
	Analytes: Nitrogen dioxide, nitrogen oxide, sulphur dioxide
SOP CAG04	PROCEDURE FOR THE MEASUREMENT OF OIL, PARTICULATE, AND CONDENSATES IN BREATHING AIR AND MEDICAL GASES
	Technique: Gravimetric
	Matrix: Compressed air and gases
	Analytes: Oil, particulate, condensates
SOP CAG80	PROCEDURE FOR MEASURING ODOUR IN COMPRESSED BREATHING AIR, DIVING AIR, PURE GASES AND MEDICAL AIR SAMPLES
	Technique: N/A
	Matrix: Compressed air and gases
	Analytes: Odour
SOP CAG82	DETERMINATION OF NITROGEN, OXYGEN, METHANE, CARBON MONOXIDE, CARBON DIOXIDE, NITROUS OXIDE, HALOGENATED HYDROCARBONS AND NON-METHANE HYDROCARBONS IN COMPRESSED BREATHING AIR AND MEDICAL GASES BY GC WITH TCD, ECD AND FID DETECTORS
	Technique: GC-TCD/ECD/FID
	Matrix: Compressed air and gases
	Analytes: Nitrogen Oxygen Methane Carbon Monoxide Carbon Dioxide Nitrous Oxide Halogenated Hydrocarbons Non-methane Hydrocarbons
SOP CAG92	DETERMINATION OF NITROGEN, OXYGEN, HELIUM, METHANE, CARBON MONOXIDE, CARBON DIOXIDE, NITROUS OXIDE, HALOGENATED HYDROCARBONS AND NON-METHANE HYDROCARBONS IN COMPRESSED MIXED DIVING GASES BY GAS CHROMATOGRAPHY WITH TCD, ECD AND FID DETECTORS
	Technique: GC-TCD/ECD/FID
	Matrix: Compressed mixed diving gases

	Analytes: Nitrogen Oxygen Methane Carbon Monoxide Carbon Dioxide Nitrous Oxide Halogenated Hydrocarbons Non-methane Hydrocarbons

[#] The following CAN/CSA Standards apply to the SOPs listed above for Air Monitoring:
Compressed Breathing Air Analysis: CAN/CSA Z180.1-19
Compressed Diving Air/Gas Analysis: CAN/CSA Z275.2-20
Medical Gas Analysis: CAN/CSA Z7396.1-17, CAN/CSA Z7396.1-22

Mould

SOP IH-M85	PROCEDURE FOR THE COLLECTION AND IDENTIFICATION OF (MOULD) SPORES IN AIR USING SPORE TRAP
	Technique: Spore Trap
	Matrix: Air
	Analytes: Mould/Fungal Spore ID-GENUS

Number of Listings: 91

Notes:

MFHPB: Health Protection Branch Compendium Method (Health Canada)

MFLP: Microbiology Food Laboratory Procedure (Health Canada)

AOAC: Official Methods of Analysis of the Association of Official Analytical Chemists (USA)

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