

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** **Bureau Veritas**

Location Name or Operating as (if applicable): Saint-Laurent Laboratory

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Saint-Laurent, Quebec  
H4T 1P5

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Website: [www.bvna.com](http://www.bvna.com)

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<b>SCC File Number:</b>	15198
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Biological Chemical/Physical
<b>Program Specialty Area:</b>	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Environmental Testing (ET)
<b>Initial Accreditation:</b>	1993-06-08
<b>Most Recent Accreditation:</b>	2023-10-29
<b>Accreditation Valid to:</b>	2025-06-08

Food microbiology testing is done at 7150 Frédérick-Banting, Suite 101, St-Laurent, H4S 2A1.

**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.

- 151140 Bureau Veritas, 2690 Avenue Dalton, Québec, QC, G1P 3S4

## ANIMAL AND PLANTS (AGRICULTURE)

### **Foods and Edible Products (Human and Animal Consumption):**

#### **(Microbiology)**

AOAC 2014.05	Enumeration of Yeast and Moulds in Food using 3M™ Petrifilm™ Rapid Yeast and Mold Count (RYM) Plate
COR1SOP-00019	Enumeration of coliforms, faecal coliforms and of <i>E. coli</i> in foods using the MPN method (Option of standard 3-tube and 10-tube MPN method)
MFHPB-10	Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples (except for verotoxin confirmation noted in section 6)
MFHPB-18	Determination of the Aerobic Colony Count in Foods
MFHPB-19	Enumeration of Coliforms, Faecal Coliforms and of <i>E. coli</i> in Foods using the MPN Method
MFHPB-20	Isolation and Identification of <i>Salmonella</i> from Foods and Environmental Samples
MFHPB-21	Enumeration of <i>Staphylococcus aureus</i> in Foods
MFHPB-22	Enumeration of Yeasts and Moulds in Foods
MFHPB-23	Enumeration of <i>Clostridium perfringens</i> in food
MFHPB-24	Detection of <i>Salmonella</i> spp. in Foods by the VIDAS® SLM™ Method
MFHPB-30	Isolation of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp. from foods and environmental samples
MFHPB-31	Determination of Coliforms in Foods Using Violet Red Bile Agar
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates
MFHPB-34	Enumeration of <i>Escherichia coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Count Plates
MFHPB-35	Enumeration of Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ Coliform Count Plates
MFLP-09	Enumeration of <i>Enterobacteriaceae</i> species in Food and Environmental Samples Using 3M™ Petrifilm™ Enterobacteriaceae Count Plates
MFLP-21	Enumeration of <i>Staphylococcus aureus</i> in Foods and Environmental Samples Using 3M™ Petrifilm™ Staph Express Count (STX) Plates
MFLP-28	The Qualicon Bax® System Method for the Detection of <i>Listeria monocytogenes</i> in a Variety of Food
MFLP-29	The DuPont BAX® System Method for the detection of <i>Salmonella</i> in foods and environmental surface samples
MFLP-30	Detection of <i>Escherichia coli</i> O157:H7 in Select Foods using the BAX® System <i>E. coli</i> O157:H7 MP
MFLP-33	Detection of <i>Listeria monocytogenes</i> in Foods by the VIDAS LMO 2™ Method
MFLP-39	Detection of <i>Listeria</i> spp. From Environmental Surfaces and Heat Processed Ready to Eat Meat and Poultry Using iQ-Check™ <i>Listeria</i> spp. Real-Time PCR Test Kit.

MFLP-42	Isolation and Enumeration of <i>Bacillus cereus</i> group in Foods
MFLP-43	Enumeration of Enterobacteriaceae in Food and Environmental samples Only for: pour plate method
MFLP-46	Isolation of thermophilic <i>Campylobacter</i> from Food
MFLP-49	Detection of <i>Salmonella</i> spp. in food products and environmental surfaces by the VIDAS® UP <i>Salmonella</i> (SPT) Method
MFLP-54	Detection of <i>Listeria monocytogenes</i> from selected foods using iQ-Check™ <i>Listeria monocytogenes</i> Real-Time PCR Test Kit
MFLP-59	Detection of <i>Listeria</i> spp. in food products and environmental surface samples with VIDAS® UP <i>Listeria</i> (LPT)
MFLP-74	Enumeration of <i>Listeria monocytogenes</i> in foods
MFLP-77	Detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp. in Food Products and Environmental Samples by the VIDAS® <i>Listeria</i> species Xpress (LSX) method
MLG4	Isolation and Identification of <i>Salmonella</i> from Meat, Poultry, Pasteurized Egg, and Siluriformes (Fish) Products and Carcass and Environmental Sponges
MLG41	Isolation and Identification of <i>Campylobacter jejuni/coli/lari</i> from Poultry Rinse, Sponge and Raw Product samples

## ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

### Environmental:

#### (Chemistry)

STL SOP-00003	Analysis of ortho-Phosphorus in Water and Soil Samples (Only in water) (By discrete photometry)
STL SOP-00008	Determination the biochemical oxygen demand (BOD) in water 5-day BOD, 20 °C Carbonaceous Biochemical Oxygen Demand (cBOD) (By robotic analyser with oxygen-specific probe)
STL SOP-00010	Determination of Thiosulfate, Thiocyanate and Cyanate in Water (By ion chromatography)
STL SOP-00014	Determination of Anions by Ion Chromatography (Only in water) Bromide, Chloride, Nitrite, Nitrate, Sulfate
STL SOP-00015	Determination of total and volatile suspended solids in water (By gravimetry)
STL SOP-00022	Determination of turbidity in water (By nephelometry)
STL SOP-00028	Determination of sulfur in soil, ash, sediments, solids and coal samples by LECO (Only soil)
STL SOP-00033	Determination of Phenolic Compounds in Water and Soil by Colourimetry (Only

	water)
STL SOP-00035	Analysis of Total, Free and Oxidative Cyanides in Water, Soil and Filter (Only water and soil) (By colourimetry)
STL SOP-00038	Determination of pH, Alkalinity, Fluoride and Conductivity by PCTitrate
STL SOP-00040	Analysis of Ammonia in Water and Soil Samples (Only water) (By colourimetry)
STL SOP-00046	Determination of colour in water by UV-Vis
STL SOP-00050	Determination of total dissolved solids in water (By gravimetry)
STL SOP-00062	Metals by Agilent ICPMS with a collision cell (liquids) Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Si, Se, Sn, Sr, Te, Th, Ti, Tl, U, V, W, Zn, Zr
STL SOP-00131	Determination of F1/BTEX in water and soil by Headspace GC/MS/FID F1 (C6-C10) BTEX (Benzene, Toluene, Ethyl Benzene and Xylenes)
STL SOP-00170	Determination of F2F4 (Soils and Waters) and F4G fractions (Soils) by GC/FID F2 (C10-C16) F3 (C16-C34) F4 (C34-C50) F4G (Gravimetric) (Soils only)
STL SOP-00179	Determination of PCDD/DF in soils and sediments by HRMS (Speed Extraction) 1,2,3,4,5,6,7,8-Octachlorodibenzofuran 1,2,3,4,5,6,7,8-Octachlorodibenzo-p-dioxin 1,2,3,4,6,7,8-Heptachlorodibenzofuran 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin 1,2,3,4,7,8,9-Heptachlorodibenzofuran 1,2,3,4,7,8-Hexachlorodibenzofuran 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,6,7,8-Hexachlorodibenzofuran 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,7,8,9-Hexachlorodibenzofuran 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin 1,2,3,7,8-Pentachlorodibenzofuran 1,2,3,7,8-Pentachlorodibenzo-p-dioxin 2,3,4,6,7,8-Hexachlorodibenzofuran 2,3,4,7,8-Pentachlorodibenzofuran 2,3,7,8-Tetrachlorodibenzofuran 2,3,7,8-Tetrachlorodibenzo-p-dioxin Heptachlorodibenzofurans (total) Heptachlorodibenzo-p-dioxins (total) Hexachlorodibenzofurans (total)

	<p>Hexachlorodibenzo-p-dioxins (total)  Pentachlorodibenzofurans (total)  Pentachlorodibenzo-p-dioxins (total)  Tetrachlorodibenzofurans (total)  Tetrachlorodibenzo-p-dioxins (total)</p>																										
STL SOP-00241	<p>Analysis of pesticide compounds in water by LCMSMS QQQ</p> <table border="0"> <tr> <td>2,4,5-TP</td> <td>2,4-D</td> </tr> <tr> <td>Aldicarb</td> <td>Atrazine</td> </tr> <tr> <td>Atrazine-desethyl</td> <td>Bendiocarb</td> </tr> <tr> <td>Bromacil</td> <td>Bromoxynil</td> </tr> <tr> <td>Carbaryl</td> <td>Carbofuran</td> </tr> <tr> <td>Cyanazine</td> <td>Desisopropyl-Atrazine</td> </tr> <tr> <td>Dicamba</td> <td>Dinoseb</td> </tr> <tr> <td>Diuron</td> <td>Imazapyr</td> </tr> <tr> <td>Imidacloprid</td> <td>Iodocarb(IPBC)</td> </tr> <tr> <td>Linuron</td> <td>MCPA</td> </tr> <tr> <td>Metolachlor</td> <td>Parathion-methyl</td> </tr> <tr> <td>Picloram</td> <td>Simazine</td> </tr> <tr> <td>Tebuthiuron</td> <td></td> </tr> </table>	2,4,5-TP	2,4-D	Aldicarb	Atrazine	Atrazine-desethyl	Bendiocarb	Bromacil	Bromoxynil	Carbaryl	Carbofuran	Cyanazine	Desisopropyl-Atrazine	Dicamba	Dinoseb	Diuron	Imazapyr	Imidacloprid	Iodocarb(IPBC)	Linuron	MCPA	Metolachlor	Parathion-methyl	Picloram	Simazine	Tebuthiuron	
2,4,5-TP	2,4-D																										
Aldicarb	Atrazine																										
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Linuron	MCPA																										
Metolachlor	Parathion-methyl																										
Picloram	Simazine																										
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STL SOP-00243	<p>Determination of total or dissolved carbon (organic and inorganic) in water  (By Non-dispersive infra red gas analyzer)</p>																										
STL SOP-00249	<p>Determination of BPC/PCDD/DF (P and P) or PCDD/DF in waters by HRMS</p> <p>1,2,3,4,5,6,7,8-Octachlorodibenzofuran  1,2,3,4,5,6,7,8-Octachlorodibenzo-p-dioxin  1,2,3,4,6,7,8-Heptachlorodibenzofuran  1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  1,2,3,4,7,8,9-Heptachlorodibenzofuran  1,2,3,4,7,8-Hexachlorodibenzofuran  1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  1,2,3,6,7,8-Hexachlorodibenzofuran  1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  1,2,3,7,8,9-Hexachlorodibenzofuran  1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin  1,2,3,7,8-Pentachlorodibenzofuran  1,2,3,7,8-Pentachlorodibenzo-p-dioxin  2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (IUPAC #206)  2,2',3,3',4,4',5,5'-Octachlorobiphenyl (IUPAC #194)  2,2',3,3',4,4',5,6-Octachlorobiphenyl (IUPAC #195)  2,2',3,3',4,4',5-Heptachlorobiphenyl (IUPAC #170)  2,2',3,3',4,4',6-Heptachlorobiphenyl (IUPAC #171)  2,2',3,3',4,4'-Hexachlorobiphenyl (IUPAC #128)  2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (IUPAC #208)  2,2',3,3',4,5,5',6'-Octachlorobiphenyl (IUPAC #199)</p>																										

2,2',3,3',4',5,6-Heptachlorobiphenyl (IUPAC #177)
2,2',3,3',4,6'-Hexachlorobiphenyl (IUPAC #132)
2,2',3,3',4-Pentachlorobiphenyl (IUPAC #82)
2,2',3,4,4',5,5'-Heptachlorobiphenyl (IUPAC #180)
2,2',3,4,4',5',6-Heptachlorobiphenyl (IUPAC #183)
2,2',3,4,4',5'-Hexachlorobiphenyl (IUPAC #138)
2,2',3,4',5,5',6-Heptachlorobiphenyl (IUPAC #187)
2,2',3,4',5',6-Hexachlorobiphenyl (IUPAC #149)
2,2',3,4,5'-Pentachlorobiphenyl (IUPAC #87)
2,2',3,5,5',6-Hexachlorobiphenyl (IUPAC # 151)
2,2',3,5',6-Pentachlorobiphenyl (IUPAC #95)
2,2',3,5'-Tetrachlorobiphenyl (IUPAC # 44)
2,2',4,4',5,5'-Hexachlorobiphenyl (IUPAC #153)
2,2',4,4',5-Pentachlorobiphenyl (IUPAC #99)
2,2',4,5,5'-Pentachlorobiphenyl (IUPAC #101)
2,2',4,5'-Tetrachlorobiphenyl (IUPAC # 49)
2,2',4-Trichlorobiphenyl (IUPAC #17)
2,2',5,5'-Tetrachlorobiphenyl (IUPAC #52)
2,2',5-Trichlorobiphenyl (IUPAC #18)
2,3,3',4,4',5,5',6-Octachlorobiphenyl (IUPAC #205)
2,3,3',4,4',5',6-Heptachlorobiphenyl (IUPAC #191)
2,3,3',4,4',5-Hexachlorobiphenyl (IUPAC #156)
2,3,3',4,4',6-Hexachlorobiphenyl (IUPAC #158)
2,3,3',4,4'-Pentachlorobiphenyl (IUPAC #105)
2,3,3',4',6-Pentachlorobiphenyl (IUPAC #110)
2,3',4,4',5-Pentachlorobiphenyl (IUPAC # 118)
2,3',4',5-Tetrachlorobiphenyl (IUPAC #70)
2,3,4,6,7,8-Hexachlorodibenzofuran
2,3,4,7,8-Pentachlorodibenzofuran
2,3,4,7,8-Pentachlorodibenzofuran
2',3,4-Trichlorobiphenyl (IUPAC #33)
2,3,7,8-Tetrachlorodibenzofuran
2,3,7,8-Tetrachlorodibenzo-p-dioxin
2,4,4',5-Tetrachlorobiphenyl (IUPAC # 74)
2,4,4'-Trichlorobiphenyl (IUPAC #28)
2,4',5-Trichlorobiphenyl (IUPAC #31)
3,3',4,4',5,5'-Hexachlorobiphenyl (IUPAC #169)
Decachlorobiphenyl (IUPAC #209)
Heptachlorodibenzofurans (total)
Heptachlorodibenzo-p-dioxins (total)
Hexachlorodibenzofurans (total)
Hexachlorodibenzo-p-dioxins (total)
Pentachlorodibenzofurans (total)

	Pentachlorodibenzo-p-dioxins (total) Tetrachlorodibenzofurans (total) Tetrachlorodibenzo-p-dioxins (total)
STL SOP-00252	Analysis of Explosives Compounds in Water and Soil by HPLC/DAD and LCMSMS QQQ* 1,3,5-Trinitrobenzene                      1,3-Dinitrobenzene 2,4,6-Trinitrotoluene                      2,4-Dinitrotoluene 2,6-Dinitrotoluene                      2-Amino-4, 6-Dinitrotoluene 2-Nitrotoluene                      3,5-dinitroaniline 3-Nitrotoluene                      4-Amino-2, 6-Dinitrotoluene 4-Nitrotoluene                      EGDN HDX or HMX                      Nitrobenzene Nitroglycerin                      PETN RDX                      Tetryl *Only PETN and RDX in water can be done by LCMSMS QQQ. All other parameters are by HPLC/DAD.
STL SOP-00254	Analysis of OC pesticides in water and soil matrices by GC/ECD a-BHC                      a-Chlordane a-Endosulfan                      Aldrin b-BHC                      b-Endosulfan Chlorothalonil                      d-BHC DDT and metabolites                      Dieldrin Endosulfan Sulfate                      Endrin Endrin Aldehyde                      Endrin Ketone g-BHC                      g-Chlordane Heptachlor Epoxide                      Heptaclor Hexachlorobenzene                      Hexachlorobutadiene Hexachlorocyclopentadiene                      Hexachloroethane Lindane                      Methoxychlor Mirex                      o,p-DDD o,p-DDE                      o,p-DDT Octachlorostyrene                      Oxychlordane p,p-DDD                      p,p-DDE p,p-DDT
STL SOP-00273	Determination of Reactive and Total Sulfides in water by spectrophotometry

**(Microbiology of water)**

QUE SOP-00320	Detection and enumeration of <i>Legionella</i> spp. and <i>Legionella pneumophila</i> [ISO 11731 modified]
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**(Toxicology of water)**

QUE SOP-00402	Test of Reproduction and Survival Using the cladoceran <i>Ceriodaphnia dubia</i> [EC EPS1/RM/21 modified]
QUE SOP-00406	Determination of LC50 with <i>Daphnia magna</i> - Canada

**Other (specify):**

Number of Scope Listings: 58

**Notes:**

**MFHPB:** Method Food Health Protection Branch, The Compendium of Analytical Methods by the Health Products and Food Branch of Health Canada

**MFLP:** Microbiology Food Laboratory Procedure, The Compendium of Analytical Methods by the Health Products and Food Branch of Health Canada

**MLG:** Microbiology Laboratory Guide (United States Department of Agriculture)

**STL SOP / QUE SOP:** Laboratory Standard Operating Procedure

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at [www.scc.ca](http://www.scc.ca).

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Elias Rafoul  
 Vice-President, Accreditation Services  
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