

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 120

Legal Name of Accredited Laboratory: **Bureau Veritas Canada (2019) Inc.**

Location Name or Operating as (if applicable): Formerly known as Maxxam Analytics

Contact Name: Amélie Roy

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Sales: Mr. Gadi Melamed Barqui
gadi.melamed@bureauveritas.com

SCC File Number:	15198
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:	1993-06-08
Most Recent Accreditation:	2021-08-19
Accreditation Valid to:	2025-06-08

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 Canada (2019) Inc., anciennement Maxxam Analytics, International Corporation, 2690 Avenue Dalton, Québec, QC, G1P 3S4, Accredited Laboratory No. 901

Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.
 Note: This scope of accreditation is also available in French as a separately-issued document.

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

(Chemistry)

STL SOP-00042	Mercury by atomic absorption (cold vapour) Only for: fish
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(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-30	Isolation of <i>Listeria monocytogenes</i> and other <i>Listeria spp.</i> 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 spp.</i> From Environmental Surfaces and Heat Processed Ready to Eat Meat and Poultry Using iQ-Check™ <i>Listeria spp.</i> Real-Time PCR Test Kit.
MFLP-42	Isolation and Enumeration of <i>Bacillus cereus group</i> in Foods
MFLP-46	Isolation of thermophilic <i>Campylobacter</i> from Food
MFLP-49	Detection of <i>Salmonella spp.</i> 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 spp.</i> 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 spp.</i> 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)
STL SOP-00005	Determination of Reactive and Total Sulfides in water by spectrophotometry
STL SOP-00008	Determination the biochemical oxygen demand (BOD) in water
STL SOP-00010	Determination of Thiosulfate, Thiocyanate and Cyanate in Water
STL SOP-00014	Determination of Anions by Ion Chromatography (Only in water)
STL SOP-00015	Determination of total and volatile suspended solids in water
STL SOP-00022	Determination of turbidity in water

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 Colorimetry (Only water)
STL SOP-00035	Analysis of Total, Free and Oxidative Cyanides in Water, Soil and Filter (Only water and soil)
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)
STL SOP-00042	Mercury by atomic absorption by cold vapour (Only water)
STL SOP-00046	Determination of color in water by UV-Vis
STL SOP-00050	Determination of total dissolved solids in water
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, 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>Didecyldimethyl ammonium chloride (DDAC)</td></tr> <tr><td>Dinoseb</td><td>Diuron</td></tr> <tr><td>Imazapyr</td><td>Imidacloprid</td></tr> <tr><td>Iodocarb(IPBC)</td><td>Linuron</td></tr> <tr><td>MCPA</td><td>Metolachlor</td></tr> <tr><td>Parathion-methyl</td><td>Picloram</td></tr> <tr><td>Simazine</td><td>Tebuthiuron</td></tr> </table>	2,4,5-TP	2,4-D	Aldicarb	Atrazine	Atrazine-desethyl	Bendiocarb	Bromacil	Bromoxynil	Carbaryl	Carbofuran	Cyanazine	Desisopropyl-Atrazine	Dicamba	Didecyldimethyl ammonium chloride (DDAC)	Dinoseb	Diuron	Imazapyr	Imidacloprid	Iodocarb(IPBC)	Linuron	MCPA	Metolachlor	Parathion-methyl	Picloram	Simazine	Tebuthiuron
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STL SOP-00243	Determination of total or dissolved carbon (organic and inorganic.) in water																										
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) 2,2',3,3',4',5,6-Heptachlorobiphenyl (IUPAC #177)</p>																										

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)
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	Tetrachlorodibenzofurans (total) Tetrachlorodibenzo-p-dioxins (total)																																		
STL SOP-00252	<p>Analysis of Explosives Compounds in Water and Soil by HPLC/DAD and LCMSMS QQQ*</p> <table border="0"> <tr> <td>1,3,5-Trinitrobenzene</td> <td>1,3-Dinitrobenzene</td> </tr> <tr> <td>2,4,6-Trinitrotoluene</td> <td>2,4-Dinitrotoluene</td> </tr> <tr> <td>2,6-Dinitrotoluene</td> <td>2-Amino-4, 6-Dinitrotoluene</td> </tr> <tr> <td>2-Nitrotoluene</td> <td>3,5-dinitroaniline</td> </tr> <tr> <td>3-Nitrotoluene</td> <td>4-Amino-2, 6-Dinitrotoluene</td> </tr> <tr> <td>4-Nitrotoluene</td> <td>EGDN</td> </tr> <tr> <td>HDX or HMX</td> <td>Nitrobenzene</td> </tr> <tr> <td>Nitroglycerin</td> <td>PETN</td> </tr> <tr> <td>RDX</td> <td>Tetryl</td> </tr> </table> <p>*Only PETN and RDX in water can be done by LCMSMS QQQ. All other parameters are by HPLC/DAD.</p>	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																
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STL SOP-00254	<p>Analysis of OC pesticides in water and soil matrices by GC/ED</p> <table border="0"> <tr> <td>a-BHC</td> <td>a-Chlordane</td> </tr> <tr> <td>a-Endosulfan</td> <td>Aldrin</td> </tr> <tr> <td>b-BHC</td> <td>b-Endosulfan</td> </tr> <tr> <td>Chlorothalonil</td> <td>d-BHC</td> </tr> <tr> <td>DDT and metabolites</td> <td>Dieldrin</td> </tr> <tr> <td>Endosulfan Sulfate</td> <td>Endrin</td> </tr> <tr> <td>Endrin Aldehyde</td> <td>Endrin Ketone</td> </tr> <tr> <td>g-BHC</td> <td>g-Chlordane</td> </tr> <tr> <td>Heptachlor Epoxide</td> <td>Heptaclor</td> </tr> <tr> <td>Hexachlorobenzene</td> <td>Hexachlorobutadiene</td> </tr> <tr> <td>Hexachlorocyclopentadiene</td> <td>Hexachloroethane</td> </tr> <tr> <td>Lindane</td> <td>Methoxychlor</td> </tr> <tr> <td>Mirex</td> <td>o,p-DDD</td> </tr> <tr> <td>o,p-DDE</td> <td>o,p-DDT</td> </tr> <tr> <td>Octachlorostyrene</td> <td>Oxychlordane</td> </tr> <tr> <td>p,p-DDD</td> <td>p,p-DDE</td> </tr> <tr> <td>p,p-DDT</td> <td></td> </tr> </table>	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	
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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 [EC EPS1/RM/14 modified]

Number of Scope Listings: 57

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.

Elias Rafoul
Vice-President, Accreditation Services
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