

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

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

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

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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>	Environmental Testing (ET)
<b>Initial Accreditation:</b>	1993-06-08
<b>Most Recent Accreditation:</b>	2024-10-29
<b>Accreditation Valid to:</b>	2029-06-08

**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

## 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) Hexachlorodibenzo-p-dioxins (total) Pentachlorodibenzofurans (total) Pentachlorodibenzo-p-dioxins (total) Tetrachlorodibenzofurans (total) Tetrachlorodibenzo-p-dioxins (total)
STL SOP-00241	Analysis of pesticide compounds in water by LCMSMS QQQ 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

STL SOP-00243	Determination of total or dissolved carbon (organic and inorganic) in water (By Non-dispersive infra red gas analyzer)
STL SOP-00249	Determination of BPC/PCDD/DF (P and P) or PCDD/DF in waters by HRMS 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'-Nonachlorobiphenyl (IUPAC #208) 2,2',3,3',4,5,5',6'-Octachlorobiphenyl (IUPAC #199) 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)

	<p>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)</p>																		
STL SOP-00252	<p>Analysis of Explosives Compounds in Water and Soil by HPLC/DAD and LCMSMS QQQ*</p> <table> <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/ECD</p> <table> <tr> <td>a-BHC</td> <td>a-Chlordane</td> </tr> <tr> <td>a-Endosulfan</td> <td>Aldrin</td> </tr> </table>	a-BHC	a-Chlordane	a-Endosulfan	Aldrin														
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a-Endosulfan	Aldrin																		

	b-BHC Chlorothalonil DDT and metabolites Endosulfan Sulfate Endrin Aldehyde g-BHC Heptachlor Epoxide Hexachlorobenzene Hexachlorocyclopentadiene Lindane Mirex o,p-DDE Octachlorostyrene p,p-DDD p,p-DDT	b-Endosulfan d-BHC Dieldrin Endrin Endrin Ketone g-Chlordane Heptachlor Hexachlorobutadiene Hexachloroethane Methoxychlor o,p-DDD o,p-DDT Oxychlordane p,p-DDE
STL SOP-00273	Determination of Reactive and Total Sulfides in water by spectrophotometry	
STL SOP-00276	Mercury in water by atomic fluorescence (cold vapor)	
STL SOP-00277	Determination of hexavalent chromium in water and soil by IC	

**(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-00401	Determination of IC25 with fathead minnow [EC EPS1/RM/22 modified]
QUE SOP-00402	Test of Reproduction and Survival Using the cladoceran <i>Ceriodaphnia dubia</i> [EC EPS1/RM/21 modified]
QUE SOP-00405	Determination of LC50 with fathead minnow [EPA 821-R-02-012 modified]
QUE SOP-00406	Determination of LC50 with <i>Daphnia magna</i> - Canada [EC EPS1/RM/14 modified]

Number of Scope Listings: 30

**Notes:**

**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-ccn.ca](http://www.scc-ccn.ca).

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