



Drinking-Water Testing Licence

Under the Drinking-Water Testing Services Regulation,
O. Reg. 248/03 and the Safe Drinking Water Act, 2002

Licence #: 2285

This supercedes licence issued: Jul 12, 2017

Located at: 1435 Norjohn Court Unit #1
Burlington ON L7L 0E6
Canada

Licensee: ALS Canada Ltd.

The licensee is authorized to conduct the following drinking-water tests at the laboratory:

Class	Organic	Technique - Sub-Technique
	1,2,3,4,6,7,8-heptachlorodioxin	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,4,6,7,8-heptachlorofuran	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,4,7,8,9-heptachlorofuran	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,4,7,8-hexachlorodioxin	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,4,7,8-hexachlorofuran	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,6,7,8-hexachlorodioxin	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,6,7,8-hexachlorofuran	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,7,8,9-hexachlorodioxin	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003
	1,2,3,7,8,9-hexachlorofuran	GC-HRMS Extraction
	Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₁	Appendix #: C003



Class: Organic	Technique - Sub-Technique
1,2,3,7,8-pentachlorodioxin	GC-HRMS Extraction
Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₂	Appendix #: C003
1,2,3,7,8-pentachlorofuran	GC-HRMS Extraction
Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₂	Appendix #: C003
2,3,4,6,7,8-hexachlorofuran	GC-HRMS Extraction
Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₂	Appendix #: C003
2,3,4,7,8-pentachlorofuran	GC-HRMS Extraction
Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₂	Appendix #: C003
2,3,6-trichloroanisole	GC-HRMS
Lab Method Code: BU-TM-1115	Appendix #: C038
2,3,7,8-tetrachlorodioxin	GC-HRMS Extraction
Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₂	Appendix #: C003
2,3,7,8-tetrachlorofuran	GC-HRMS Extraction
Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₂	Appendix #: C003
2,4,6-trichloroanisole	GC-HRMS
Lab Method Code: BU-TM-1115	Appendix #: C038
2-isobutyl-3-methoxypyrazine	GC-HRMS
Lab Method Code: BU-TM-1115	Appendix #: C038
2-isopropyl-3-methoxypyrazine	GC-HRMS
Lab Method Code: BU-TM-1115	Appendix #: C038
2-methylisoborneol	GC-HRMS
Lab Method Code: BU-TM-1115	Appendix #: C038
3,4,5-Trichloroveratrole	GC-HRMS
Lab Method Code: BU-TM-1115	Appendix #: C038
Dioxin and furan	Calculation-- TEQ
Lab Method Code: BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F,BF ₂ DL and FCB ₂ F ₂	Appendix #: N/A
Geosmin	GC-HRMS
Lab Method Code: BU-TM-1115	Appendix #: C038

Paramètre	Organic	Technique	Sub-Technique
N-nitrosodimethylamine		GC-HRMS	
Lab Method Code:	BU-TM-1106 Nitrosamines		Appendix #: C012
Octachlorodioxin		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Octachlorofuran		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Polychlorinated dibenzodioxin		GC-HRMS Extraction/calculation	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: N/A
Polychlorinated dibenzofuran		GC-HRMS Extraction/calculation	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: N/A
Total H6CDD		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Total H6CDF		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Total H7CDD		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Total H7CDF		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Total P5CDD		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Total P5CDF		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Total T4CDD		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003
Total T4CDF		GC-HRMS Extraction	
Lab Method Code:	BU-TM-1107 PCDD/F // BU-TM-1110 PCDD/F, BF ₂ DL ₂ and F ₂ DF ₂		Appendix #: C003

Ministry of the Environment,
Conservation and Parks

Ministère de l'Environnement,
de la Protection de la nature et des Parcs



Compliance, Promotion and
Support Branch
Laboratory Licensing and
Compliance Program

Direction de la promotion de la conformité
et du soutien
Programme de délivrance des permis et
de conformité des laboratoires

125 Resources Rd.
Etobicoke ON M9P 3V6
Tel: (416) 235 - 6370
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125, Chemin Resources
Etobicoke ON M9P 3V6
Tél: (416) 235 - 6370
Télééc: (416) 235 - 6519

Subject to the following terms and conditions:

Terms and conditions are specified in Appendix 1.

Expiry Date: Sep 30, 2023

September 26, 2018

Date Issued

A handwritten signature in blue ink, appearing to be "M. L. ...", written over a horizontal line.

Director

Licence Number: 2285

Date Issued: September 26, 2018

Appendix 1 - Conditions

Pursuant to the *Safe Drinking Water Act, 2002*, S.O. 2002, c. 32, and the regulations made thereunder, this drinking-water testing services licence is issued subject to the following conditions.

Part I: Definitions

1.1 In this licence, unless the context otherwise requires, words and phrases shall be given the same meaning as those set out in the *Safe Drinking Water Act, 2002*, S.O. 2002, c. 32 and any regulations made in accordance with that Act.

1.2 In this licence

“accreditation body” means any body designated or established pursuant to section 64 of the SDWA;

"director" means a director appointed pursuant to s. 6 of the SDWA for the purposes of Part VII of the SDWA;

“laboratory” means the drinking-water testing laboratory located at 1435 Norjohn Court, Unit 1,2,3, Burlington, ON, L7L 0E6;

"licence" means this entire drinking water testing licence document, issued in accordance with Part VII of the SDWA, and includes this appendix, any schedules to it, and the application and other supporting documents listed in schedule “A” that are attached to and form part of this licence, except as otherwise specified in the conditions contain herein;

“licensee” means the ALS Laboratory Group – Environmental Division (Burlington);

“Ministry” means the Ministry of the Environment Conservation & Parks;

“protocol” means the document published by and available from the Ministry entitled “Protocol of Accepted Drinking-Water Testing Methods”, Version 2.0 dated May 31, 2010.

"provincial officer" means a provincial officer designated pursuant to s. 8 of the SDWA;

"SDWA" means the *Safe Drinking Water Act, 2002*, S.O. 2002, c. 32, as amended.

Part II – Authorized Tests

2.1 Subject to the conditions of this licence, the licensee is authorized to provide a drinking-water testing service at the laboratory.

- 2.2 The licensee is only authorized to conduct drinking-water tests at the laboratory for the class and for the parameters set out in the licence.
- 2.3 Subject to conditions 2.4 and 2.5, the licensee shall only conduct drinking water tests at the laboratory for parameters using the methods that were listed in the application, and approved by this licence.

[Where applicable]

- 2.4 Despite condition 2.3, where the licensee listed a method for a parameter in the application for this licence, but the method is not designated as an acceptable testing method for that parameter in the protocol, the licensee is not authorized to use the method listed in the application for this licence, unless the method is specifically authorized under condition 2.5.

[Where applicable]

- 2.5 The licensee is specifically authorized to conduct drinking-water tests for the parameters listed below using the corresponding method listed below, despite the method not being designated as an acceptable testing method for that parameter in the protocol:

None

Accreditation

- 2.6 Except as authorized by condition 2.7, the licensee shall only conduct a drinking-water test if the laboratory is accredited by an accreditation body for the conduct of that test.

Non-accredited Tests [Where applicable]

- 2.7 In accordance with section 74 of the SDWA, the licensee is authorized to conduct the following tests for which the laboratory is not accredited by an accreditation body, using the method specified.

None

Part III: Operational Requirements

- 3.1. A copy of this licence shall be made readily available for reference by all persons responsible for all or part of the operation of the drinking-water testing laboratory.
- 3.2. A copy of this licence shall be made readily available to laboratory clients and for Ministry inspection.
- 3.3. The Certificate of Drinking Water Testing Licence shall be conspicuously displayed in a location at the laboratory which maximizes the likelihood of a client seeing it upon entry to the laboratory's sample receiving area.

Part IV: General

Compliance

- 4.1 The licensee shall operate the laboratory in accordance with the SDWA, including the statutory conditions enumerated in 75(3), any applicable regulations made thereunder, and this licence.
- 4.2 The licensee shall ensure that any person authorized to carry out a drinking-water test or any aspect of a drinking-water test at a laboratory has been informed of the SDWA, all applicable regulations made in accordance with that Act, and this licence and shall take all reasonable measures to ensure any such person complies with the same.

Interpretation

- 4.3 Where there is a conflict between the provisions of this licence and any other document, the following hierarchy shall be used to determine the provision that takes precedence:
- i. the SDWA;
 - ii. any regulation made under the SDWA;
 - iii. this licence;
 - iv. any application or supporting documents listed in Schedule "A".
- 4.4 The conditions of this licence are severable. If any requirement of this licence, or the application of any requirement of this licence to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this licence shall not be affected thereby.

Other Legal Obligations

- 4.5 The issuance of, and compliance with the conditions of, this licence does not:
- i. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or
 - ii. limit in any way the authority of the ministry to require certain steps be taken or to require the licensee to furnish any further information related to compliance with this licence.

Change of Licensee's Information

- 4.6 The licensee shall notify the director, in writing, of any of the following changes within 30 days of the change occurring,
- i. change of address of the laboratory; or
 - ii. change of business name, and the notification shall include a copy of the most recent documentation filed under the *Business Names Act*, R.S.O. 1990, c. B17 or *Corporations Information Act*, R.S.O. 1990, c. C.39.
- 4.7 The licensee shall notify the director, in writing, of any changes to the following personnel identified on the licence application form whenever staffing changes are made

- (a) Owner of the Laboratory;
- (b) Laboratory Administrator;
- (c) Laboratory Operator;
- (d) Laboratory Director, and
- (e) Laboratory Director Designate

4.8 As per section 73(6) of the SDWA this licence is not transferable without the consent of the Director.

Information

- 4.9 Any information requested, by the Ministry, concerning the drinking-water testing laboratory and its operation under this licence, including but not limited to any records required to be kept by this licence shall be provided to the Ministry, upon request.
- 4.10 Records required by or created in accordance with the SDWA, any regulations under the SDWA, or this licence shall be retained for at least 5 years in a location where a provincial officer who is inspecting the laboratory can conveniently view them.
- 4.11 The receipt of any information by the Ministry or the failure of the Ministry to prosecute any person or to require any person to take any action, under this licence or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any term or condition of this approval or any statute, regulation or other legal requirement.

Part V: Special Conditions

1. Pursuant to subsection 10(1), clause (d) of O. Reg. 248/03, the chain of custody procedures submitted by the licensee as part of the application for this licence are approved.
2. The licensee is authorized to report the results of more than one parameter (such as total THMs) as an aggregate result in order to comply with reporting requirements provided that that licensee conducts a separate test for each parameter using a method otherwise authorized by this licence, and the means by which the aggregate is calculated is documented and kept available for inspection by the Ministry.
3. The licensee shall not filter drinking water samples prior to analyses unless dictated by non-routine analytical contingencies.
- 3.1 The licensee shall collect and handle drinking water samples in accordance with the Ministry's Protocol.
4. Licensed laboratories shall report all adverse water quality results as per the drinking water legislation without any regard to calculated uncertainty estimations.
5. The licensee shall not conduct any testing for the parameter "dioxin and furan" until the licensee has documented the means by which the total toxic equivalent when compared with 2,3,7,8-TCDD is calculated and the documentation is kept available for inspection by the Ministry.

6. Drinking water samples shall be retained until either;
 - a. The day the result of the drinking water test has been reported in accordance with section 12 or 12.0.1 of Ontario Regulation 248/03; or
 - b. Sample requirements are no longer met as outlined in the ministry's document entitled "*Practices for the Collection and Handling of Drinking Water Samples*" and dated April 1, 2009, as amended from time to time.

Note to the Licensee Regarding Reviewable Decisions

All or part of this licence may be reviewable in accordance with the provisions of Part X of the SDWA. In accordance with Section 129(1) of the SDWA, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 129(2) sets out a procedure upon which the 15 days may be extended by the Tribunal. Section 129(3) of the SDWA provides that the Notice requiring the hearing shall state:

1. The aspect of the decision, including the portion of the permit, licence, approval, order or notice of administrative penalty in respect of which the hearing is required; and
2. The grounds for review to be relied on by the person at the hearing.

Except with leave of the Tribunal, a person requiring a hearing in relation to a reviewable decision is not entitled to,

- (a) a review of an aspect of the decision other than that stated in the notice requiring the hearing; or
- (b) a review of the decision other than on the grounds stated in the notice

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The Licence number;
4. The date of the Licence;
5. The name of the Director;

The Notice should be signed and dated by the appellant. This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Part VII, Safe Drinking Water Act, 2002
Compliance, Promotion & Support Branch
Ministry of Conservation & Parks
125 Resources Road
Toronto, Ontario
M9P 3V6

** If the Director believes that a reviewable decision that he or she is about to make in respect of a drinking-water testing licence, if stayed by an appeal, would endanger, or likely endanger, public health, the Director shall include in the decision the reasons for his or her belief and shall also serve a copy of the decision on the Chief Medical Officer of Health. In the case of a reviewable decision in respect of a drinking-water testing licence, if the Chief Medical Officer of Health advises the Tribunal, the licensee and the Director that in his or her opinion the staying of the decision would endanger, or likely endanger, public health, the Tribunal may not stay the operation of a reviewable decision.*

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

Schedule "A"
Application and Supporting Documentation

The following documents are incorporated into and constitute part of this licence:

1. Application received by the Director on 08/19/07, 10/01/12 and 03/20/17.