Application

August 3, 2023
Version 1.7

PTC | Proficiency Testing Canada

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1.0 Instructions

This PT application only has to be completed if the laboratory is new to the PT Canada program or has additions that they would like to make. If the participant is seeking PT samples for the next scheduled study, the application must be submitted at least four weeks prior to the shipping date.

1.1 COMPLETE SECT. 2.0 LABORATORY IDENTIFICATION

All new applicants must complete section 2. Be sure that the shipping address can be used for the delivery of PT samples by courier. Refunds or credits will not be provided for samples that are delivered to the wrong location if the error is due to information provided in this section.

All communication between PT Canada and participants is by email. The participant may include more than one email address. Be sure that the participant's email provider and filter always allow emails from the PT Canada domain (@ptcanada.org).

1.2 REVIEW SECT. 3.0 CANADA ANTI-SPAM LEGISLATION

Review this section and indicate the types of communication you would like to receive from PTC. Please note that PT participants may not opt out of communication necessary for conducting business (e.g., invoices, PT reports, etc.).

1.3 COMPLETE SECT. 4.0 TERMS AND CONDITIONS OF PT PARTICIPATION

PT Canada participants must comply with the terms and conditions. Failure to conform to these terms and conditions may result in withdrawal of future PT participation.

1.4 COMPLETE SECT. 5.0 PROFICIENCY TESTING PARTICIPATION

Only complete section 5 if your laboratory is requesting new proficiency testing.

1.5 SUBMIT YOUR APPLICATION

Completed applications may be submitted by mail or scanned and emailed. The application sections that must be included in the application are:

- Section 2 (if a new participant or there are changes);
- Section 4 (signed by an authorized person); and,
- Section 5.

If there are changes to the laboratory identification, they may be included as well.

Send your completed application to:

Proficiency Testing Canada
Attention: Program Officer
102-2934 Baseline Road
Ottawa, ON K2H 1B2

Telephone: (613) 233-5464
Email: programofficer@ptcanada.org

2.0 Laboratory Identification For PT Program

PT Canada File No. (existing clients only)			
Name of Laboratory		Publicly Traded: ❑ Yes ❑ No	
		Exchange(s):	Symbol(s):
Name of Parent Institution		Publicly Traded: ❑ Yes ❑ No	
		Exchange(s):	Symbol(s):
LOCATION OF FACILITY			
Contact		Email	
Street			
City	Province	Postal Code	Country
Phone Number		Facsimile Number	
MAILING ADDRESS		**SAME AS (check, if applicable)**	■ **"Location of Facility"**
Contact		Email	
Street			
City	Province	Postal Code	Country
Phone Number		Facsimile Number	
PT SAMPLE SHIPPING (COURIER) ADDRESS		**SAME AS (check one, if applicable)**	■ **"Mailing Address"** ■ **"Location of Facility"**
Contact		Email	
Street			
City	Province	Postal Code	Country
Phone Number		Facsimile Number	
BILLING ADDRESS		**SAME AS (check one, if applicable)**	■ **"Mailing Address"** ■ **"Location of Facility"**
Contact		Email	
Street			
City	Province	Postal Code	Country
Phone Number		Facsimile Number	
MANAGEMENT			
Laboratory Manager/Director		Email	
Quality Assurance Officer		Email	
WITHHOLDING TAX (INTERNATIONAL ONLY)			
Withholding Tax Required: ❑ Yes ❑ No Amount of tax: ____%			
HOW DID YOU HEAR ABOUT PT CANADA			
How did you hear about PT Canada? (Please check all that apply) ❑ Internet Search ❑ Conference ❑ Word of Mouth ❑ Regulatory Requirement ❑ Email from PT Canada ❑ Other_____			

3.0 Canada Anti-Spam Legislation (CASL)

Canada's anti-spam law, among other things, will mainly prohibit the sending of commercial electronic messages (CEMs) without the recipient's consent (permission), including messages to email addresses, social networking accounts, and text messages sent to a cell phone.

3.1 HOW DOES CASL IMPACT PT CANADA CLIENTS/LABORATORIES?

Current PT Canada clients will receive emails directly related to the delivery of products and services where there is an existing business relationship (i.e., received program application form or registration form, or active volunteer). However, we require your express consent (permission) to send you PT Canada marketing communications or surveys via email.

3.2 WHAT ARE PT CANADA SUBSCRIPTION COMMUNICATIONS?

PT Canada SUBSCRIPTION communications are the electronic delivery of up to date PT Canada information and industry announcements. These subscription communications can include any of the following:

1) Surveys: feedback obtained from surveys is very important for program and service development and improvements.
2) Newsletter: contains important information on PT Canada programs/services, as well as notices, Board updates and industry news.
3) General Marketing: occasionally PT Canada PT Canada will forward information on services, products and upcoming events of interest to PTC clients.

For each email identified earlier in this application form, please have the email owner check off all and initial desired PT Canada SUBCRIPTION Communications. A person can unsubscribe at any time.

Email Address	Initials of Email owner		PT Canada Subscription Selection 1	2	3
			❑	❑	❑
			❑	❑	❑
			❑	❑	❑
			❑	❑	❑
			❑	❑	❑
			❑	❑	❑
			❑	❑	❑
			❑	❑	❑

4.0 Terms And Conditions Of Proficiency Testing

_____ _____

Name of Laboratory PT Canada File No.

As an Authorized Representative of this organization, I agree to the following general terms and conditions.

Participants in the PTC PT program acknowledge and agree that:

1) these Terms and Conditions of Proficiency Testing may change at any time.
2) all appropriate fees shall be paid.
3) they authorize PTC to forward PT outcomes to the Canadian Association for Laboratory Accreditation Inc. for analytes that appear on the participant's current scope of accreditation.
4) they will conform to the publicity guidelines specified by PTC (POL07 – *Publicity Policy*).
5) they will comply with all laws and regulations concerning those tests for which proficiency testing is being run.
6) all dealings between the participant and PTC shall be governed by the laws of the Province of Ontario (without reference to its choice of laws and conflict of law rules). Any action or proceeding commenced by either party against the other shall be commenced at and heard in the City of Ottawa, Ontario, Canada, and each party irrevocably submits to the jurisdiction of the courts of the Province of Ontario and waives any objection they may have to either the jurisdiction of or venue in such courts.
7) they will comply with modifications to requirements following due notice (which may be given by PTC newsletter, e-mail and/or hard copy by mail) of changes by PTC to the criteria, requirements, or conditions for PTC Programs, in a timeframe that, in the opinion of PTC, is reasonable.
8) they will analyze Proficiency Testing samples at the facility specified in the Application, provide the results to PTC, in the manner specified, and by the due date specified on the Instruction Sheet (provided with the samples and available on the PTC Web site).
9) with the exception of specific instructions provided on the web site for each PT, PT samples shall be processed using the same workflow and level of effort as afforded the majority of client samples analysed using the PTC registered method (i.e., treated as routine).
10) participants may not collude with other participants, either within the same laboratory or between different laboratories, and may not falsify results or other information provided to PTC.
11) PTC will not accept any changes to reported results after the reporting deadline.
12) PTC will not extend the deadline for reporting for an individual participant.
13) the participant will pay for any replacement samples with the exception of those lost or damaged during the shipping process. PTC must be notified within forty-eight hours of sample delivery of any damages. The participant will pay for any replacement samples requested more than forty-eight hours after receipt.

14) the participant may Dispute the outcome of a PT evaluation within thirty days of the Final PT Report being issued. Should the participant disagree with the resolution of the Dispute, the participant may Appeal this decision within ten days of receiving the decision on the Dispute. All communication with regard to Disputes and Appeals must be made in writing.
15) if the participant resides outside of Canada, the participant will pay shipping costs calculated as 25% of the sample fees registered for the PT round. PTC delivery responsibilities are considered to have been met once the PT samples have arrived in the participant's country and awaiting customs clearance.
16) PTC, and PTC's directors, officers, employees, and agents shall not be liable to the laboratory for any claims, damages, expenses, demands, losses, including lost revenue or profits, or any special, consequential or indirect damages whatsoever, arising from or incidental to the suspension or withdrawal of proficiency testing recognition by PTC, including without limitation, in the event when, following a dispute or an appeal instituted by the laboratory, the proficiency testing recognition status of the laboratory is reinstated by PTC, or to any other services offered by PTC, including without limitation, its published PT Directory of Laboratories.
17) the participant shall notify PTC immediately if there is any threat to impartiality with PT activities.
18) the participant recognizes the right of PTC to suspend proficiency testing participation for any breach of paragraphs 1 to 17 of these TERMS AND CONDITIONS OF PROFICIENCY TESTING.

❑ This laboratory is licensed or applying for a license under the OSDWA.

Authorized Representative	Signature
Title	Date DD/MM/YY

5.0 Proficiency Testing Participation

The tables below identify all tests that are part of the PT Canada Proficiency Testing Program. Please indicate the new or additional participation you require by:

1) *Analyte*: check the appropriate analyte(s) that are to be added;
2) *Test Method*: The Test Method is defined in terms of analytical techniques. Examples include: ICP-MS; GC/MS; etc. For microbiology methods, specify the media (e.g., MF-mENDO); and,
3) *Quantity*: The number of sample sets that are required. Unless otherwise requested, the participant will receive one set of samples per study.

The default PT registration involves receiving samples in the months indicated. The months that each PT is offered is provided in the application below. If the participant only requires samples in one of these months, please indicate below:

Test Group Series	Check only one per series		
Mar./Oct. Test Groups	❑ Mar. and Oct.	❑ Mar. only	❑ Oct. only
Jan./Jun. Test Groups	❑ Jan. and Jun.	❑ Jan. only	❑ Jun. only

If a PT participant is already receiving either a Jan/Jun or Mar/Oct group, we cannot accept a request for a single study participation for that same group. For example, if you are registered for a Jan/Jun group, you cannot request another Jan/Jun group but to only participate in either just January or just June. If you are not currently registered for a Jan/Jun or Mar/Oct study, you can then request a single study participation.

The participant is responsible for arranging customs clearance where necessary.

PT Canada provides discounts to Institutional members of the Canadian Association for Laboratory Accreditation (CALA). If you would like to become a CALA member, please visit the CALA website (**www.cala.ca**).

5.1 WATER INORGANICS

C01A Major Ions In Water		Analyte	Test Method
Mar. and Oct. 500 mL Preservative: None	❑	Alkalinity (pH 4.5)	
	❑	Calcium	
	❑	Chloride	
	❑	Conductivity (25 °C)	
	❑	Fluoride	
	❑	Hardness (as $CaCO_3$)	
	❑	Inorganic Carbon	
	❑	Magnesium	
	❑	Nitrate	
	❑	Nitrate plus Nitrite	
	❑	Potassium	
	❑	Reactive Silica	
	❑	Sodium	
	❑	Sulfate	
		Quantity Requested (Default = 1):	

C01B Simple Nutrients In Water		Analyte	Test Method
Mar. and Oct. 250 mL Preservative: None	❑	Ammonia	
	❑	Bromide	
	❑	Nitrite	
	❑	Organic Carbon	
	❑	Phosphate	
		Quantity Requested (Default = 1) :	

C02A Metals (Full Range) In Water		Analyte	Test Method
Mar. and Oct. 250 mL Preservative: 0.2% HNO_3	❑	Aluminum	
	❑	Antimony	
	❑	Arsenic	
	❑	Barium	
	❑	Beryllium	
	❑	Boron	
	❑	Cadmium	
	❑	Chromium	
	❑	Cobalt	
	❑	Copper	
	❑	Iron	

C02A (Cont.)		Analyte	Test Method
	❑	Lead	
	❑	Manganese	
	❑	Molybdenum	
	❑	Nickel	
	❑	Selenium	
	❑	Silver	
	❑	Strontium	
	❑	Thallium	
	❑	Tin	
	❑	Titanium	
	❑	Uranium	
	❑	Vanadium	
	❑	Zinc	

Quantity Requested (Default = 1) :

C02B Metals (High Range) In Water		Analyte	Test Method
Mar. and Oct. 250 mL Preservative: 0.2% HNO_3	❑	Aluminum	
	❑	Barium	
	❑	Boron	
	❑	Chromium	
	❑	Cobalt	
	❑	Copper	
	❑	Iron	
	❑	Lead	
	❑	Manganese	
	❑	Molybdenum	
	❑	Nickel	
	❑	Strontium	
	❑	Thallium	
	❑	Titanium	
	❑	Vanadium	
	❑	Zinc	

Quantity Requested (Default = 1)

C02C Metals (Total) In Water		Analyte	Test Method
Mar. and Oct. 250 mL Preservative: 0.2% HNO_3	❑	Aluminum	
	❑	Antimony	
	❑	Arsenic	
	❑	Barium	

C02C (Cont.)

	Analyte	Test Method
❑	Beryllium	
❑	Boron	
❑	Cadmium	
❑	Chromium	
❑	Cobalt	
❑	Copper	
❑	Iron	
❑	Lead	
❑	Manganese	
❑	Molybdenum	
❑	Nickel	
❑	Selenium	
❑	Silver	
❑	Strontium	
❑	Thallium	
❑	Tin	
❑	Titanium	
❑	Uranium	
❑	Vanadium	
❑	Zinc	

Quantity Requested (Default = 1) :

C03 Complex Nutrients in Water

Mar. and Oct.
250 mL

Preservative: pH < 2 H_2SO_4

	Analyte	Test Method
❑	Total Kjeldahl Nitrogen	
❑	Total Phosphorus	

Quantity Requested (Default = 1) :

C04A Solids in Water

Mar. and Oct.
500 mL
Preservative: None

	Analyte	Test Method
❑	Total Dissolved Solids	
❑	Total Suspended Solids	
❑	Volatile Suspended Solids	

Quantity Requested (Default = 1) :

C04B Biochemical Oxygen Demand in Water			
		Analyte	Test Method
Mar. and Oct. 1000 mL	❑	BOD (5 day)	
	❑	CBOD (5 day)	
Preservative: Freezing		Quantity Requested (Default = 1):	

C04C Turbidity in Water			
		Analyte	Test Method
Mar. and Oct. 100 mL	❑	Turbidity	
Preservative: None		Quantity Requested (Default = 1) :	

C04D Chemical Oxygen Demand in Water			
		Analyte	Test Method
Mar. and Oct. 100 mL	❑	COD	
Preservative: pH < 2 H_2SO_4		Quantity Requested (Default = 1) :	

C14 Cyanide in Water			
		Analyte	Test Method
Mar. and Oct. 100 mL	❑	Cyanide (Strong acid dissociable)	
Preservative: pH > 12 NaOH		Quantity Requested (Default = 1) :	

C15 pH in Water			
		Analyte	Test Method
Mar. and Oct. 125 mL	❑	pH	
Preservative: None		Quantity Requested (Default = 1) :	

C19 Mercury in Water			
		Analyte	Test Method
Mar. and Oct. 125 mL	❑	Mercury	
Preservative: 0.5% Bromine Monochloride		Quantity Requested (Default = 1) :	

C32 Chlorine in Water

		Analyte	Test Method
Mar. and Oct. 250 mL	❑	Free Chlorine	
	❑	Total Chlorine	

Preservative: None Quantity Requested (Default = 1):

C33 Total 4AAP Phenolics in Water

		Analyte	Test Method
Mar. and Oct. 250 mL	❑	Total Phenolics	

Preservative: pH < 2 H_2SO_4 Quantity Requested (Default = 1):

C34 Oil and Grease in Water

		Analyte	Test Method
Jan. and Jun. 1000 mL	❑	Mineral Oil and Grease	
	❑	Total Oil and Grease	

Preservative: pH < 2 H_2SO_4 Quantity Requested (Default = 1):

C37 Colour in Water

		Analyte	Test Method
Mar. and Oct. 125 mL	❑	True Colour	

Preservative: pH < 2 HCl Quantity Requested (Default = 1):

C41 Hexavalent Chromium in Water

		Analyte	Test Method
Jan. and Jun. 125 mL	❑	Hexavalent Chromium	

Preservative: pH 9.3 – 9.7 Ammonium Chloride Quantity Requested (Default = 1):

C42 Sulphide in Water

		Analyte	Test Method
Mar. and Oct. 125 mL	❑	Sulphide	

Preservative: pH 10 NaOH and Zn Ac Quantity Requested (Default = 1):

C46 Acidity in Water			
		Analyte	Test Method
Jan. and Jun. 250 mL Preservative: None	❑	Acidity	

Quantity Requested (Default = 1):

5.2 WATER ORGANICS

C06A Organochlorine Pesticides In Water			
		Analyte	Test Method
Jan. and Jun. 1000 mL Preservative: None	❑	alpha-BHC	
	❑	a-Chlordane	
	❑	Aldrin	
	❑	Dieldrin	
	❑	Endosulfan I	
	❑	Endosulfan II	
	❑	Endrin	
	❑	g-Chlordane	
	❑	Heptachlor	
	❑	Heptachlor Epoxide	
	❑	Lindane (gamma-BHC)	
	❑	Mirex	
	❑	o,p'-DDT	
	❑	p,p'-DDT	
	❑	p,p' Methoxychlor	

Quantity Requested (Default = 1):

C06B PCBs In Water			
		Analyte	Test Method
Jan. and Jun. 1000 mL Preservative: None	❑	Aroclor 1242	
	❑	Aroclor 1248	
	❑	Aroclor 1254	
	❑	Aroclor 1260	
	❑	Total PCB	

Quantity Requested (Default = 1):

C07 Polycyclic Aromatic Hydrocarbons in Water			
		Analyte	**Test Method**
Jan. and Jun. 1000 mL Preservative: None	❑	Acenaphthene	
	❑	Acenaphthylene	
	❑	Anthracene	
	❑	Benzo(a)anthracene	
	❑	Benzo(a)pyrene	
	❑	Benzo(b)fluoranthene	
	❑	Benzo(b+j)fluoranthene	
	❑	Benzo(g,h,i)perylene	
	❑	Benzo(k)fluoranthene	
	❑	Chrysene	
	❑	Dibenzo(a,h)anthracene	
	❑	Fluoranthene	
	❑	Fluorene	
	❑	Indeno(1,2,3-cd)pyrene	
	❑	Naphthalene	
	❑	Phenanthrene	
	❑	Pyrene	
			Quantity Requested (Default = 1):

C16 Volatile Organic Compounds In Water			
		Analyte	**Test Method**
Jan. and Jun. 40 mL x 2 Pres: Sodium Bisulphate	❑	1,1-Dichloroethane	
	❑	1,1-Dichloroethylene	
	❑	1,1,1-Trichloroethane	
	❑	1,1,2-Trichloroethane	
	❑	1,1,2,2-Tetrachloroethane	
	❑	1,2-Dichlorobenzene	
	❑	1,2-Dichloroethane	
	❑	1,2-Dichloropropane	
	❑	1,3-Dichlorobenzene	
	❑	1,4-Dichlorobenzene	
	❑	Acetone (2-Propanone)	
	❑	Benzene	
	❑	Bromodichloromethane	
	❑	Bromoform	
	❑	Carbon Tetrachloride	
	❑	Chlorobenzene	
	❑	Chlorodibromomethane	
	❑	Chloroform	

C16 (Cont.)		Analyte	Test Method
	❑	cis-1,2-Dichloroethylene	
	❑	cis-1,3-Dichloropropene	
	❑	Dichloromethane	
	❑	Ethylbenzene	
	❑	Ethylene dibromide	
	❑	m/p-xylene	
	❑	Methyl ethyl ketone	
	❑	Methyl isobutyl ketone	
	❑	Methyl t-butyl ether	
	❑	o-xylene	
	❑	Styrene	
	❑	Tetrachloroethylene	
	❑	Toluene	
	❑	trans-1,2-Dichloroethylene	
	❑	trans-1,3-Dichloropropene	
	❑	Trichloroethylene	
	❑	Trichlorofluoromethane	
	❑	Vinyl Chloride	
			Quantity Requested (Default = 1):

C22 Organophosphorus Pesticides In Water		Analyte	Test Method
Jan. and Jun. 1000 mL Preservative: None	❑	Atrazine	
	❑	Azinphos-methyl	
	❑	Bendiocarb	
	❑	Carbaryl	
	❑	Carbofuran	
	❑	Chlorpyriphos (ethyl)	
	❑	Cyanazine	
	❑	Diazinon	
	❑	Dimethoate	
	❑	Diuron	
	❑	Malathion	
	❑	Metolachlor	
	❑	Metribuzin	
	❑	Parathion (ethyl)	
	❑	Phorate	
	❑	Simazine	
	❑	Terbufos	
	❑	Trifluralin	
			Quantity Requested (Default = 1):

C24 Aryloxy Acid Pesticides In Water

Jan. and Jun.
1000 mL
Preservative: pH < 2 H_2SO_4

	Analyte	Test Method
❑	2,4-Dichlorophenoxy-acetic acid	
❑	2,4,5-Trichlorophenoxy-acetic acid	
❑	Bromoxynil	
❑	Dicamba	
❑	Diclofop-methyl (as free acid)	
❑	Dinoseb	
❑	Picloram	

Quantity Requested (Default = 1):

C25 Phenolic Compounds In Water

Jan. and Jun.
1000 mL
Preservative: pH < 2 H_2SO_4

	Analyte	Test Method
❑	2,3,4,6-tetrachlorophenol	
❑	2,4-dichlorophenol	
❑	2,4,6-trichlorophenol	
❑	Pentachlorophenol	

Quantity Requested (Default = 1):

C27 Glyphosate In Water

Jan. and Jun.
250 mL
Preservative: 0.01% Thiosulphate

	Analyte	Test Method
❑	Glyphosate	

Quantity Requested (Default = 1):

C29 Aldicarb In Water

Jan. and Jun.
250 mL
Preservative: 0.001 Thiosulphate

	Analyte	Test Method
❑	Aldicarb	

Quantity Requested (Default = 1):

C40A Petroleum Hydrocarbons In Water			
		Analyte	Test Method
Jan. and Jun. 40 mL x 2	❑	Benzene	
	❑	Ethylbenzene	
	❑	F1: C6 – C10	
	❑	m/p-Xylene	
	❑	o-Xylene	
	❑	Toluene	
	❑	VH: C6-C10	
Preservative: Sodium Bisulphate			Quantity Requested (Default = 1):

C40B Petroleum Hydrocarbons In Water			
		Analyte	Test Method
Jan. and Jun. 1000 mL Preservative: None	❑	F2: C10 – C16	
	❑	F3: C16 – C34	
	❑	F4: C34 – C50	
			Quantity Requested (Default = 1):

C47 Haloacetic Acids In Water			
		Analyte	Test Method
Jan. and Jun. 40 mL x 2	❑	Bromochloroacetic acid	
	❑	Dibromoacetic acid	
	❑	Dichloroacetic acid	
	❑	Monobromoacetic acid	
	❑	Monochloroacetic acid	
	❑	Trichloroacetic acid	
Preservative: Ammonium Chloride			Quantity Requested (Default = 1):

5.3 WATER MICROBIOLOGY

C05A Microbiology (Quantified) In Water			
		Analyte	Test Method
Mar. and Oct. 2 – 5 mL Preservative: Stabilized	❑	*Escherichia coli* (*E.coli*)	
	❑	Fecal (Thermotolerant)	
	❑	Heterotrophic Plate Count	
	❑	Total Coliforms	
			Quantity Requested (Default = 1):

C05B Microbiology (Presence/Absence) In Water			
		Analyte	Test Method
Mar. and Oct. 2 – 5 mL	❑	*Escherichia coli* (*E.coli*)	
	❑	Total Coliforms	
Preservative: Stabilized			Quantity Requested (Default = 1):

Human Pathogens and Toxins Act **Any Canadian laboratory registering for C05A or C05B must provide PTC with their Public Health Agency of Canada licence number and expiry date.**	
Licence Number	**Expiry Date**

5.4 SOIL

C17 Metals in Soil			
		Analyte	Test Method
Jan. and Jun. 5 – 7 g Preservative: None	❑	Aluminum	
	❑	Antimony	
	❑	Arsenic	
	❑	Barium	
	❑	Beryllium	
	❑	Boron	
	❑	Cadmium	
	❑	Chromium	
	❑	Cobalt	
	❑	Copper	
	❑	Iron	
	❑	Lead	
	❑	Manganese	
	❑	Mercury	
	❑	Nickel	
	❑	Strontium	
	❑	Tin	
	❑	Titanium	
	❑	Uranium	
	❑	Vanadium	
	❑	Zinc	
			Quantity Requested (Default = 1):

C18 Polycyclic Aromatic Hydrocarbons in Soil

Jan. and Jun.
25 - 40 g
Preservative: None

	Analyte	Test Method
❑	Acenaphthene	
❑	Acenaphthylene	
❑	Anthracene	
❑	Benzo(a)anthracene	
❑	Benzo(a)pyrene	
❑	Benzo(b)fluoranthene	
❑	Benzo(b+j)fluoranthene	
❑	Benzo(g,h,i,)perylene	
❑	Benzo(k)fluoranthene	
❑	Chrysene	
❑	Dibenzo(a,h)anthracene	
❑	Fluoranthene	
❑	Fluorene	
❑	Indeno(1,2,3-cd)pyrene	
❑	Naphthalene	
❑	Phenanthrene	
❑	Pyrene	

Quantity Requested (Default = 1):

C31A Petroleum Hydrocarbons in Soil

Jan. and Jun.
8 g
Preservative: Methanol

	Analyte	Test Method
❑	Benzene	
❑	Ethylbenzene	
❑	F1: (C6-C10)	
❑	m/p-xylene	
❑	o-xylene	
❑	Toluene	
❑	VH (C6-C10)	

Quantity Requested (Default = 1):

C31B Petroleum Hydrocarbons in Soil

Jan. and Jun.
30g
Preservative: Freezing

	Analyte	Test Method
❑	F2: C10-C16	
❑	F3: C16-C34	
❑	F4: C34-C50	
❑	F4: Gravimetric	

Quantity Requested (Default = 1):

C35 PCBs in Soil			
		Analyte	Test Method
Jan. and Jun. 30g Preservative: None	❑	Aroclor 1242	
	❑	Aroclor 1248	
	❑	Aroclor 1254	
	❑	Aroclor 1260	
	❑	Total PCBs	
			Quantity Requested (Default = 1):

C36 Volatile Organic Compounds in Soil			
		Analyte	Test Method
Jan. and Jun. 8 g Preservative: Methanol	❑	1,1-Dichloroethane	
	❑	1,1-Dichloroethylene	
	❑	1,1,1-Trichloroethane	
	❑	1,1,2-Trichloroethane	
	❑	1,1,2,2-Tetrachloroethane	
	❑	1,2-Dichlorobenzene	
	❑	1,2-Dichloroethane	
	❑	1,2-Dichloropropane	
	❑	1,3-Dichlorobenzene	
	❑	1,4-Dichlorobenzene	
	❑	Acetone (2-Propanone)	
	❑	Benzene	
	❑	Bromodichloromethane	
	❑	Bromoform	
	❑	Carbon Tetrachloride	
	❑	Chlorobenzene	
	❑	Chlorodibromomethane	
	❑	Chloroform	
	❑	cis-1,2-Dichloroethylene	
	❑	cis-1,3-Dichloropropene	
	❑	Dichloromethane	
	❑	Ethylbenzene	
	❑	Ethylene dibromide	
	❑	m/p-xylene	
	❑	Methyl ethyl ketone	
	❑	Methyl isobutyl ketone	
	❑	Methyl t-butyl ether	
	❑	o-xylene	
	❑	Styrene	
	❑	Tetrachloroethylene	

C36 (Cont.)		Analyte	Test Method
	❑	Toluene	
	❑	trans-1,2-Dichloroethylene	
	❑	trans-1,3-Dichloropropene	
	❑	Trichloroethylene	
	❑	Trichlorofluoromethane	

Quantity Requested (Default = 1)

C38 Volatile Organic Compounds in Soil (TCLP)		Analyte	Test Method
Jan. and Jun. 100 g Preservative: Freezing	❑	1,2-Dichlorobenzene	
	❑	1,2-Dichloroethane	
	❑	1,4-Dichlorobenzene	
	❑	Benzene	
	❑	Carbon tetrachloride	
	❑	Chlorobenzene	
	❑	Chloroform	
	❑	Dichloromethane	
	❑	Methyl Ethyl Ketone	
	❑	Tetrachloroethylene	
	❑	Trichloroethylene	

Quantity Requested (Default = 1):

C39 Inorganics in Soil (TCLP)		Analyte	Test Method
Jan. and Jun. 200 g Preservative: None	❑	Arsenic	
	❑	Barium	
	❑	Boron	
	❑	Cadmium	
	❑	Chromium	
	❑	Cyanide, (WAD)	
	❑	Fluoride	
	❑	Lead	
	❑	Mercury	
	❑	Nitrate-N	
	❑	Nitrate plus Nitrite as N	
	❑	Selenium	
	❑	Silver	
	❑	Uranium	

Quantity Requested (Default = 1):

C43 Solids in Soil

Jan. and Jun.
100 g
Preservative: None

	Analyte	Test Method
❑	Fixed Solids	
❑	Percent Moisture	
❑	Total Solids	
❑	Volatile Solids	

Quantity Requested (Default = 1):

C44 Nutrients in Soil

Jan. and Jun.
250 g
Preservative: None

	Analyte	Test Method
❑	Ammonia-N	
❑	Kjeldahl Nitrogen	
❑	Phosphorus	
❑	Organic Carbon	

Quantity Requested (Default = 1):

C45 Anions in Soil

Jan. and Jun.
250 g
Preservative: None

	Analyte	Test Method
❑	Bromide	
❑	Chloride	
❑	Fluoride	
❑	Nitrate-N	
❑	Phosphate-P	
❑	Sulphate	
❑	Percent Saturation	

Quantity Requested (Default = 1):

C74 Hexavalent Chromium in Soil

Jan. and Jun.

Preservative: None

	Analyte	Test Method
❑	Hexavalent Chromium	

Quantity Requested (Default = 1):

C75 Particle Size in Soil

Jan. and Jun.
40 g
Preservative: None

	Analyte	Test Method
❑	Percent Sand	
❑	Percent Silt	
❑	Percent Clay	

Quantity Requested (Default = 1):

C76 Oil and Grease in Soil			
		Analyte	Test Method
Jan. and Jun.	❑	Total Oil and Grease	
Preservative: None			Quantity Requested (Default = 1):

C77 Pesticides in Soil			
		Analyte	Test Method
Jan. and Jun. 30 g ampoules Preservative: None	❑	p,p'-DDT	
	❑	Aldrin	
	❑	Alpha-BHC	
	❑	Alpha-Chlordane	
	❑	Beta-BHC	
	❑	Dieldrin	
	❑	Endosulfan I	
	❑	Endosulfan II	
	❑	Endrin	
	❑	Lindane	
	❑	Gamma-Chlordane	
	❑	Heptachlor	
	❑	Heptachlor Epoxide	
	❑	Methoxychlor	
			Quantity Requested (Default = 1):

5.5 OIL

C08 PCBs in Oil			
		Analyte	Test Method
Jan. and June 3 mL Preservative: None	❑	Aroclor 1242	
	❑	Aroclor 1248	
	❑	Aroclor 1254	
	❑	Aroclor 1260	
	❑	Total PCB	
			Quantity Requested (Default = 1):

5.6 AIR

C09 Metals on Filters

Jan. and Jun.
47 mm quartz
Preservative: None

	Analyte	Test Method
❑	Cadmium	
❑	Copper	
❑	Lead	
❑	Zinc	

Quantity Requested (Default = 1):

C20 Asbestos

Jan. Mar. Jun. and Oct.

	Analyte	Analyst Name
❑	Asbestos	
❑	Asbestos	
❑	Asbestos	
❑	Asbestos	

Slides/Wedge
Preservative: None

Quantity Requested (Default = 1):

5.7 TOXICOLOGY

C11 Trout LC50

Mar. and Oct.
1000 mL
Preservative: None

	Analyte	Test Method
❑	Trout LC50 (96 h)	

Quantity Requested (Default = 1):

C12 *Daphnia* LC50

Mar. and Oct.
500 mL
Preservative: None

	Analyte	Test Method
❑	*Daphnia* LC50 (48 h)	

Quantity Requested (Default = 1):

C13 Microtox™ IC50

Mar. and Oct.
100 mL
Preservative: None

	Analyte	Test Method
❑	Microtox™	

Quantity Requested (Default = 1):

5.8 CANNABIS-CHEMISTRY

C70 Potency in Cannabis		Analyte	Test Method
Mar. and Oct. 1 g vials Preservative: None	❑	Tetrahydrocannabinol (THC)	
	❑	Tetrahydrocannabinolic Acid (THCA)	
	❑	Cannabidiol (CBD)	
	❑	Cannabidiolic Acid (CBDA)	

Quantity Requested (Default = 1):

C71 Pesticides in Cannabis		Analyte	Test Method
Mar. and Oct. 1 g vials and spiking solutions Preservative: None	❑	Acephate	
	❑	Aldicarb	
	❑	Azoxystrobin	
	❑	Bifenazate	
	❑	Boscalid	
	❑	Carbaryl	
	❑	Carbofuran	
	❑	Diazinon	
	❑	Diclorvos	
	❑	Dimethoate	
	❑	Ethoprophos	
	❑	Etoxazole	
	❑	Fipronil	
	❑	Fluxioxonil	
	❑	Imidaclorprid	
	❑	Malathion	
	❑	Metalaxyl	
	❑	Methiocarb	
	❑	Methomyl	
	❑	Myclobutanil	
	❑	Oxamyl	
	❑	Paclobutrazol	
	❑	Propoxur	
	❑	Spiromesifen	
	❑	Spirotetramet	
	❑	Thiamethoxam	
	❑	Trifloxystrobin	

Quantity Requested (Default = 1):

C72 Metals in Hemp

Mar. and Oct.
2 g vials
Preservative: None

	Analyte	Test Method
❑	Arsenic	
❑	Cadmium	
❑	Chromium	
❑	Lead	
❑	Mercury	

Quantity Requested (Default = 1):

C73 Residual Solvents in Hemp Seed Oil

Mar. and Oct.
1 g vials and spiking solutions
Preservative: None

	Analyte	Test Method
❑	1-Butanol (n-Butanol)	
❑	1-Pentanol	
❑	1-Propanol (Propanol)	
❑	2-Butanol	
❑	2-Butanone (Methyl ethyl ketone, MEK)	
❑	2-Propanol (Isopropyl alcohol)	
❑	3-Methyl-1-butanol	
❑	Acetone (2-Propanone)	
❑	Anisole	
❑	Butane	
❑	Butyl acetate	
❑	Dimethyl sulfoxide	
❑	Ethanol	
❑	Ethyl acetate	
❑	Ethyl ether	
❑	Heptane	
❑	Isobutanol (2-Methyl-1-propanol)	
❑	Isobutyl acetate	
❑	Isopropyl acetate	
❑	Methyl acetate	
❑	Pentane	
❑	Propane	
❑	Propyl acetate	
❑	Triethylamine	

Quantity Requested (Default = 1):

C78 Water activation/% Moisture in Hemp

Mar. and Oct.
2 g vials
Preservative: None

	Analyte	Test Method
❑	Percent Moisture	
❑	Water Activity	

Quantity Requested (Default = 1):

5.9 CANNABIS-MICROBIOLOGY

Although these are intended to support cannabis testing laboratories, the same samples can be used to support laboratories that conduct microbiology testing on food products for human consumption.

C82 Microbiology in Cannabis Surrogate – Oil - Qualitative		Analyte	Test Method
Mar. and Oct. 4x10 mL Bacterial solutions 4x5g Blank Oil Matrix	❑	*E. coli*	
	❑	Total Coliforms	
	❑	*Salmonella spp.*	
			Quantity Requested (Default = 1):

C83 Microbiology in Cannabis Surrogate – Edibles - Qualitative		Analyte	Test Method
Mar. and Oct. 4x10 mL Bacterial solutions 4x5g Blank Edible Matrix	❑	*E. coli*	
	❑	Total Coliforms	
	❑	*Salmonella spp.*	
			Quantity Requested (Default = 1):

C84 Microbiology in Cannabis Surrogate – Flower - Qualitative		Analyte	Test Method
Mar. and Oct. 4x10 mL Bacterial solutions 4x5g Blank Edible Matrix	❑	*E. coli*	
	❑	Total Coliforms	
	❑	*Salmonella spp.*	
			Quantity Requested (Default = 1):

Human Pathogens and Toxins Act **Any Canadian laboratory registering for C82, C83 or C84 must provide PTC with their Public Health Agency of Canada licence number and expiry date.**	
Licence Number	**Expiry Date**

6.0 Special Notes:

* Cannabis PT (C70 and C71) will only be shipped to laboratories that hold a valid Health Canada licence for cannabis testing. When submitting the application, please submit a copy of your laboratory's licence.

7.0 History of Changes

Date	Rev. No.	Sections	Changes
12/18/2019	1.0		Initial publication
02/12/2020	1.1	5.0	Modified C20 to include Analyst Name
12/02/2021	1.2	4.0	Removed the statement that suspensions will result from not reporting results. Also modified the international shipping to state that it will be 25% of sample cost.
03/10/2022	1.3	1.5	Updated contact information.
10/11/2022	1.4	4.0	Updated the Terms and Conditions to be consistent with PAR01 *Terms and Conditions of PT Participation* document.
11/01/2022	1.5	2.0	PT outcomes no longer forwarded to OMOECP
03/30/2023	1.6	4.0	Updated requirements to include our commitment to conducting all PT activities impartially
08/03/2023	1.7	5.9	Added Test Groups for microbiology in cannabis.