



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des
soumissions\Travaux publics et Services
gouvernementaux Canada
See herein for bid submission
instructions/
Voir la présente pour les
instructions sur la présentation
d'une soumission
NA
Ontario

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right
of Canada, in accordance with the terms and conditions
set out herein, referred to herein or attached hereto, the
goods, services, and construction listed herein and on any
attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la
Reine du chef du Canada, aux conditions énoncées ou
incluses par référence dans la présente et aux annexes
ci-jointes, les biens, services et construction énumérés
ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet Ultra High Performance Liquid Chrom	
Solicitation No. - N° de l'invitation K8C13-220380/A	Date 2021-12-08
Client Reference No. - N° de référence du client K8C13-22-0380	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-015-8132	
File No. - N° de dossier TOR-1-44107 (015)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Standard Time EST on - le 2022-01-04 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Abela, Aaron	Buyer Id - Id de l'acheteur tor015
Telephone No. - N° de téléphone (416) 262-6212 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Environment and Climate Change Canada 867 Lakeshore Rd. Burlington, ON L7S 1A1	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Ontario Region
10th Floor, 4900 Yonge Street
Toronto
Ontario
M2N 6A6

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	3
1.1 INTRODUCTION.....	3
1.2 SUMMARY	3
1.3 DEBRIEFINGS	4
PART 2 - BIDDER INSTRUCTIONS	5
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	5
2.2 SUBMISSION OF BIDS.....	5
2.3 ENQUIRIES - BID SOLICITATION.....	6
2.4 APPLICABLE LAWS.....	6
2.5 BASIS FOR CANADA'S OWNERSHIP OF INTELLECTUAL PROPERTY.....	6
2.6 BID CHALLENGE AND RECOURSE MECHANISMS.....	6
PART 3 - BID PREPARATION INSTRUCTIONS.....	7
3.1 BID PREPARATION INSTRUCTIONS	7
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	8
4.1 EVALUATION PROCEDURES.....	8
4.2 BASIS OF SELECTION.....	9
PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION	11
5.1 CERTIFICATIONS REQUIRED WITH THE BID	11
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	11
5.3. ADDITIONAL CERTIFICATIONS PRECEDENT TO CONTRACT AWARD	12
PART 6 - RESULTING CONTRACT CLAUSES	15
6.1 STATEMENT OF WORK.....	15
6.2 STANDARD CLAUSES AND CONDITIONS	15
6.3 SECURITY REQUIREMENTS.....	16
6.4 TERM OF CONTRACT	17
6.5 AUTHORITIES	17
6.7 PAYMENT	18
6.8 INVOICING INSTRUCTIONS	19
6.9 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	20
6.10 APPLICABLE LAWS.....	20
6.11 PRIORITY OF DOCUMENTS	20
6.12 FOREIGN NATIONALS (CANADIAN CONTRACTOR OR FOREIGN CONTRACTOR).....	21
6.13 INSURANCE REQUIREMENTS	21
6.14 DISPUTE RESOLUTION.....	21
6.15 INSPECTION AND ACCEPTANCE.....	21
6.16 SACC MANUAL CLAUSES	21
ANNEX "A"	22
STATEMENT OF WORK	22
ANNEX "B"	29
BASIS OF PAYMENT	29

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

ANNEX "C"	33
EVALUATION CRITERIA	33
ANNEX D	44
COMPLETE LIST OF DIRECTORS	44
ANNEX E	45
COVID-19 VACCINATION REQUIREMENT	45

PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment, Evaluation Criteria, and any other annexes

1.2 Summary

(a) Environment and Climate Change Canada (ECCC) research laboratories in Montreal, Quebec, and Burlington, Ontario have a requirement for the supply, delivery, installation and training for two (2) new Ultra High Performance Liquid Chromatograph (UHPLC) Tandem Mass Spectrometer (MS/MS) systems (one for each location) to be used for quantitative analysis of a wide variety of organic contaminants in environmental samples

The UHPLC-MS/MS systems will be used for sensitive, accurate, and selective quantitative analysis of organic contaminants under ECCC's mandate of protecting and conserving the natural environment in Canada. The systems must be comprised of an ultra high performance liquid chromatography module (UHPLC) coupled to a tandem mass spectrometer (MS/MS) based on tandem multipole (including quadrupole, hexapole, octupole etc) mass spectrometry technology.

Unit #1: Must be delivered and installed at 105 McGill St. 8th floor, Montreal, Quebec

Unit #2: Must be delivered and installed at Canada Centre Inland Waters (CCIW), 867 Lakeshore Road, 6th floor, Burlington, Ontario

Each UHPLC-MS/MS system must consist of, but not be limited to, all software, computer parts, hardware peripherals, and manuals required for control and optimization of the instrument as well as for the collection and analysis of complex chromatographic and mass spectrometric data. The Contractor must assemble, install, connect, and test the instrument complete with all components in addition to meeting all other performance requirements at time of installation

(b) It is anticipated that one (1) contract will be awarded as a result of this solicitation.

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

(c) The Federal Contractors Program (FCP) for employment equity applies to this procurement; refer to Part 5 – Certifications and Additional Information, Part 7 - Resulting Contract Clauses and the annex titled Federal Contractors Program for Employment Equity - Certification.

(d) This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

(e) This requirement is subject to the COVID-19 Vaccination Policy for Supplier Personnel. Failure to complete and provide the Annex “E” to Part 1 COVID-19 Vaccination Requirement Certification as part of the bid will render the bid non-responsive.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The **2003** (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of **2003**, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 90 days

2.1.1 SACC Manual Clauses

B1000T (2014-06-26) Condition of Material – Bid

2.2 Submission of Bids

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation:

PWGSC Ontario Region Bid Receiving Unit

Only bids submitted using epost Connect service will be accepted. The Bidder must send an email requesting to open an epost Connect conversation to the following address:

TPSGC.orreceptiondessomissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions **2003**, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six days before the solicitation closing date.

Bids transmitted by facsimile or hardcopy to PWGSC will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 (five) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario, Canada.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

2.5 Basis for Canada's Ownership of Intellectual Property

Environment and Climate Change Canada (ECCC) has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, for the following reasons, as set out in the [Policy on Title to Intellectual Property Arising Under Crown Procurement Contracts](#): where the main purpose of the Crown Procurement Contract, or the deliverables contracted for is to generate knowledge and information for public dissemination.

2.6 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "**Bid Challenge and Recourse Mechanisms**" contains information on potential complaint bodies such as:
 - Office of the Procurement Ombudsman (OPO)
 - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

The Bidder must submit its bid electronically in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

Bids transmitted by facsimile or hardcopy will not be accepted.

Section I: Technical Bid

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Section II: Financial Bid

3.1.1 Bidders must submit their financial bid in accordance with the Basis of Payment in Annex B.

3.1.2 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete ATTACHMENT “1” Electronic Payment Instruments, to identify which ones are accepted.

If ATTACHMENT “1” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.3 Exchange Rate Fluctuation

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

See Annex C - Evaluation Criteria

4.1.1.2 Point Rated Technical Criteria

See Annex C – Evaluation Criteria.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

Bidders must submit a bid on Unit #1 and Unit #2 (both units). The evaluated price will be calculated together for each unit for evaluation purposes.

(a) The Bidders must submit pricing in accordance with Annex B, Basis of Payment – in Canadian funds, with their bid at bid closing.

(b) Pricing must be provided for all line items of firm and optional requirements for each of Unit #1 and Unit #2. Should the bidder fail to provide a price for every line item, the bidder will be deemed non-responsive.

4.1.2.2 Evaluation of Price

(a) SACC Manual Clause A0220T (2014-06-26), Evaluation of Price

(b) The total evaluated price used in the evaluation will be calculated as follows:

For Unit #1, the total evaluated price will be calculated as follows:

Item 4 of Table 1 + Column H of Table 5 = Total evaluated price for Unit 1

For Unit #2, the total evaluated price will be calculated as follows:

Item 4 of Table 2 + Column H of Table 6 = Total evaluated price for Unit 2

4.2 Basis of Selection

4.2.1 Basis of Selection – Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
 - c. obtain the required minimum of 175 points overall for Unit #1
obtain the required minimum of 170 points overall for Unit #2

for the technical evaluation criteria which are subject to point rating at Annex C – Evaluation Criteria, CATEGORY 1 – Section C.1 and C.2. The rating is performed on a scale of 250 points for Unit #1 and 240 points for Unit #2.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70 % for the technical merit and 30% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

Solicitation No. - N° de l'invitation
 K8C13-220380/A
 Client Ref. No. - N° de réf. du client
 K8C13-220380

Amd. No. - N° de la modif.
 File No. - N° du dossier
 TOR-1-44107

Buyer ID - Id de l'acheteur
 TOR015
 CCC No./N° CCC - FMS No./N° VME

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

BASIS OF SELECTION - HIGHEST COMBINED RATING TECHNICAL MERIT (70%) AND PRICE (30%)				
		Bidder 1	Bidder 2	Bidder 3
OVERALL TECHNICAL SCORE		115/135	89/135	92/135
BID EVALUATED PRICE		\$55,000.00	\$50,000.00	\$45,000.00
CALCULATIONS	Technical Merit Score	$115/135 \times 70 = 59.62$	$89/135 \times 70 = 46.14$	$92/135 \times 70 = 47.70$
	Pricing Score	$45/55 \times 30 = 24.54$	$45/50 \times 30 = 27.00$	$45/45 \times 30 = 30.00$
COMBINED RATING		84.16	73.14	77.70
OVERALL RATING		1st	3rd	2nd

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the Integrity declaration form available on the **Forms for the Integrity Regime** website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.1.2 COVID-19 Vaccination Requirement

Reference Annex "E" COVID-19 Vaccination Requirement Certification

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the **Ineligibility and Suspension Policy** (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the **Employment and Social Development Canada (ESDC) - Labour's** website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid list at the time of contract award.

5.3. Additional Certifications Precedent to Contract Award

5.3.1 OEM Certification

Form A OEM Certification Form	
This confirms that the original equipment manufacturer (OEM) identified below has authorized the Bidder named below to provide and maintain its products under any contract resulting from the bid solicitation identified below.	
Name of OEM	_____
Signature of authorized signatory of OEM	_____
Print Name of authorized signatory of OEM	_____
Print Title of authorized signatory of OEM	_____
Address for authorized signatory of OEM	_____
Telephone no. for authorized signatory of OEM	_____
Fax no. for authorized signatory of OEM	_____
Date signed	_____
Solicitation Number	_____
Name of Bidder	_____

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

5.3.2 Software Publisher

Form B Software Publisher Certification Form (to be used where the Bidder itself is the Software Publisher)
The Bidder certifies that it is the software publisher of all the following software products and that it has all the rights necessary to license them (and any non-proprietary sub-components incorporated into the software) on a royalty-free basis to Canada pursuant to the terms set out in the resulting contract:
<hr/>
<hr/>
<hr/>
<hr/>
<i>[Bidders should add or remove lines as needed]</i>

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

Form C
Software Publisher Authorization Form
(to be used where the Bidder is not the Software Publisher)

This confirms that the software publisher identified below has authorized the Bidder named below to license its proprietary software products under the contract resulting from the bid solicitation identified below. The software publisher acknowledges that no shrink-wrap or click-wrap or other terms and conditions will apply, and that the contract resulting from the bid solicitation (as amended from time to time by its parties) will represent the entire agreement, including with respect to the license of the software products of the software publisher listed below. The software publisher further acknowledges that, if the method of delivery (such as download) requires a user to "click through" or otherwise acknowledge the application of terms and conditions not included in the bid solicitation, those terms and conditions do not apply to Canada's use of the software products of the software publisher listed below, despite the user clicking "I accept" or signalling in any other way agreement with the additional terms and conditions.

This authorization applies to the following software products:

[Bidders should add or remove lines as needed]

Name of Software Publisher (SP) _____

Signature of authorized signatory of SP _____

Print Name of authorized signatory of SP _____

Print Title of authorized signatory of SP _____

Address for authorized signatory of SP _____

Telephone no. for authorized signatory of SP _____

Fax no. for authorized signatory of SP _____

Date signed _____

Solicitation Number _____

Name of Bidder _____

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex A.

6.2 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the **Standard Acquisition Clauses and Conditions Manual** (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.2.1 General Conditions

2030 (2020-05-28), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

Insert:

2030 46 (2021-11-04) Anti-forced labour requirements

1. The Contractor represents and warrants that the Work is not mined, manufactured or produced wholly or in part by forced labour. Regardless of who acts as an importer, the Contractor must not during the performance of the Contract, directly or indirectly, deliver Work to Canada or import Work into Canada the importation of which is prohibited pursuant to ss. 136(1) of the Customs Tariff – Schedule and tariff item No. 9897.00.00 of the **Customs Tariff – Schedule** (as amended from time to time), because it is mined, manufactured or produced wholly or in part by forced labour.
2. If a tariff classification determination is made under the *Customs Act* and that the importation of the Work, or any part of the Work, is prohibited, the Contractor must immediately inform the Contracting Authority in writing. Canada may terminate the Contract for default in accordance with section 2030 31- Default by the Contractor if the Work or any part of the Work is classified under tariff item no. 9897.00.00 of the Customs Tariff – Schedule as mined, manufactured or produced wholly or in part by forced labour. If the Contractor is aware that the Work, or any part of the Work, is being or has been investigated regarding whether it is prohibited from entry pursuant to tariff item No. 9897.00.00, the Contractor must immediately inform the Contracting Authority in writing of that investigation.
3. Canada may terminate the Contract for default in accordance with section 2030 31- Default by the Contractor if it has reasonable grounds to believe the Work was mined, manufactured or produced in whole or in part by forced labour or linked to human trafficking. Reasonable grounds for making such a determination may include:
 - a. Findings or Withhold Release Orders issued by the United States Customs Trade and Border Protection, under the US Trade Facilitation and Trade Enforcement Act (TFTEA) of 2015; or
 - b. Credible evidence from a reliable source, including but not limited to non-governmental organizations.

4. Canada may terminate the Contract for default in accordance with section 2030 31- Default by the Contractor if the Contractor has, in the past three years, been convicted of any of the following offences under the ***Criminal Code*** or the ***Immigration and Refugee Protection Act***:
- Criminal Code*
- i. section 279.01 (Trafficking in persons);
 - ii. section 279.011 (Trafficking of a person under the age of eighteen years);
 - iii. subsection 279.02(1) (Material benefit - trafficking);
 - iv. subsection 279.02(2) (Material benefit - trafficking of person under 18 years);
 - v. subsection 279.03(1) (Withholding or destroying documents - trafficking);
 - vi. subsection 279.03(2) (Withholding or destroying documents - trafficking of person under 18 years); or
- Immigration and Refugee Protection Act*
- vii. section 118 (Trafficking in persons).
5. Canada may terminate the Contract for default in accordance with section 2030 31- Default by the Contractor if the Contractor has, in the past three years, been convicted of an offence in a jurisdiction other than Canada that, in Canada's opinion, is similar to any of the offences identified in paragraphs 4(i) to (vii).
6. For purposes of determining whether a foreign offence is similar to a listed offence, PWGSC will take into account the following factors:
- i. in the case of a conviction, whether the court acted within its jurisdiction;
 - ii. whether the supplier was afforded the right to appear during the court's proceedings or to submit to the court's jurisdiction;
 - iii. whether the court's decision was obtained by fraud; or
 - iv. whether the supplier was entitled to present to the court every defence that the supplier would have been entitled to present had the proceeding been tried in Canada.
7. Where Canada intends to terminate the Contract under this section, Canada will inform the Contractor and provide the Contractor an opportunity to make written representations before making a final decision. Written representations must be submitted within 30 days from receiving a notice unless Canada establishes a different deadline.

6.2.2 Supplemental General Conditions

4001 (2015-04-01)	Hardware Purchase, Lease and Maintenance,
4003 (2010-08-16)	Licensed Software,
4004 (2013-04-25)	Maintenance and Support Services for Licensed Software,

6.2.3 Compliance with on-site measures, standing orders, policies, and rules

The Contractor must comply and ensure that its employees and subcontractors comply with all security measures, standing orders, policies or other rules in force at the site where the Work is performed.

6.3 Security Requirements

There is no security requirement applicable to the Contract.

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract Award to March 31, 2024.

6.4.2 Delivery Date

6.4.2.1 Both **Unit #1** and **Unit #2** must be delivered to their specified delivery point locations on or before March 31, 2022

6.4.2.2 Assembly, Installation and Training for each of Unit #1 and Unit #2 must be delivered to their specified delivery address locations on or before May 30, 2022. Preference is for on or before March 31, 2022.

6.4.3 Delivery Points

UNIT 1:

Delivery of the requirement will be made to delivery point specified at Annex "A" of the Contract.

UNIT 2:

Delivery of the requirement will be made to delivery point specified at Annex "A" of the Contract.

6.4.4 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to four (4) additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor before the Contract expiry date. The option may only be exercised by the Contracting Authority by notice in writing, and will be evidenced, for administrative purposes only, through a contract amendment.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Aaron Abela
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Address: 10th Floor, 4900 Yonge Street
Toronto, Ontario. Canada
M2N 6A[^]

Telephone: 416-262-6212
E-mail address: aaron.abela@pwgsc-tpsgc.gc.ca

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Project Authority for the Contract is: **(will be inserted at contract award)**

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____-____-_____
Facsimile: ____-____-_____
E-mail address: _____

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority; however, the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative (To Be Filled Out By bidder)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____-____-_____
Facsimile: ____-____-_____
E-mail address: _____

6.7 Payment

6.7.1 Basis of Payment

6.7.1.1 Initial Firm Requirement

For the Work described in Annex A - Statement of Work (except article 7 Option to Purchase Extended Instrument Support Plans):

In consideration of the Contractor satisfactorily completing its obligations under the Contract, the Contractor will be paid firm prices for a total cost of \$ _____ CAD. Customs duties are included and Applicable Taxes are extra.

For the firm price portion of the Work only, Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.7.1.1.1 Milestone Payment

[H3010C](#) (2016-01-28) Milestone Payment

6.7.1.2 Optional Requirement

For the option to purchase up to four (4) annual one-year extended instrument support plan warranties, if Canada exercises its option, Canada will pay the Contractor a firm price as specified in Annex "B"- Basis of Payment. Customs duties are included and Applicable Taxes are extra.

6.7.1.2.1 Advance Payment

[H3028C](#) (2010-01-11) Advance Payment

*Applies to only to Annex "A" Statement of Work, Section 7.0 – Option to Purchase Extended Instrument Support Plans, as detailed to each of UNIT #1 and UNIT #2.

Advance payment only occurs once at the initial contract award and once on each anniversary date of the contract period, if the option to purchase is invoked.

6.7.2 Limitation of Price

[C6000C](#) (2017-08-17) Limitation of price

6.7.3 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.8 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. For UNIT #1: The original and one (1) copy must be forwarded to the following address for certification and payment.

Attention : **(TBA at Contract Award)**
National Laboratory for Environmental Testing
Environment and Climate and Change Canada
867 Lakeshore Rd
Burlington, Ontario
L7S 1A1

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

Electronic invoices preferred :
dste-lest-equipeadminwstd-estl-adminteam@ec.gc.ca

- b. For UNIT #2: The original and one (1) copy must be forwarded to the following address for certification and payment.

Attention: **(TBA at Contract Award)**

Emergencies Science and Technology Section
Environment and Climate Change Canada
335 River Road, Ottawa, ON K1V 1C7
Phone: (613) 991-1120
Fax: (613) 991-9485

- c. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.9 Certifications and Additional Information

6.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____.

6.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the supplemental general conditions
4001 (2015-04-01), Hardware Purchase, Lease and Maintenance;
4003 (2010-08-16), Licensed Software;
4004 (2013-04-15), Maintenance and Support Services for Licensed Software;
4013 (2021-10-15) Compliance with on-site measures, standing orders, policies, and rules
- (c) the general conditions **2030** (2020-05-28), General Conditions - Higher Complexity – Goods;
- (d) Annex A, Statement of Work
- (e) Annex B, Basis of Payment;
- (f) the Contractor's bid dated _____.

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

6.12 Foreign Nationals (Canadian Contractor **OR** Foreign Contractor)

SACC Manual clause **A2000C** (2006-06-16), Foreign Nationals (Canadian Contractor).

OR

SACC Manual clause **A2001C** (2006-06-16), Foreign Nationals (Foreign Contractor).

6.13 Insurance Requirements

SACC Manual clause **G1005C** (2016-01-28) Insurance - No Specific Requirement

6.14 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "**Dispute Resolution**".

6.15 Inspection and Acceptance

The Project Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.16 SACC Manual Clauses

SACC Manual clause **A9065C** (2006-06-16), Identification Badge.

SACC Manual clause **A9068C** (2010-01-11), Government Site Regulations

SACC Manual clause **B1501C** (2018-06-21) Electrical Equipment

SACC Manual clause **D9002C** (2007-11-30) Incomplete Assemblies

ANNEX "A"

STATEMENT OF WORK

TITLE: ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETER SYSTEMS (UHPLC-MS/MS)

1. Background

Environment and Climate Change Canada research laboratories in Montreal, Quebec, and Burlington, Ontario have a requirement for the supply, delivery, installation and training for two (2) complete new Ultra High Performance Liquid Chromatograph (UHPLC) Tandem Mass Spectrometer (MS/MS) systems (one for each location) to be used for quantitative analysis of a wide variety of organic contaminants in environmental samples.

2. General Requirement

The UHPLC-MS/MS systems will be used for sensitive, accurate, and selective quantitative analysis of organic contaminants under the Department's mandate of protecting and conserving the natural environment in Canada. The systems must be comprised of an ultra high performance liquid chromatography module (UHPLC) coupled to a tandem mass spectrometer (MS/MS) based on tandem multipole (including quadrupole, hexapole, octupole etc) mass spectrometry technology.

Unit #1: Must be delivered and installed at 105 McGill St. 8th floor, Montreal, Quebec

Unit #2: Must be delivered and installed at Canada Centre Inland Waters (CCIW), 867 Lakeshore Road, 6th floor, Burlington, Ontario

Each UHPLC-MS/MS system must consist of, but not be limited to, all software, computer parts, hardware peripherals, and manuals required for control and optimization of the instrument as well as collection and analysis of complex chromatographic and mass spectrometric data. The Contractor must assemble, install, connect, and test the instrument components in addition to meeting all other performance requirements at time of installation.

2.1 Training

The contractor must provide 3 days on-site training for operation and routine maintenance for each of UNIT #1 and UNIT #2. The training will include, but not be limited to, an overview of hardware components, software/controller functions and a session on preventative maintenance for up to 3 Environment and Climate Change Canada personnel at each of UNIT #1 and UNIT #2 locations.

3. MANDATORY TECHNICAL SPECIFICATIONS

The UHPLC-MS/MS systems must meet each of the Mandatory Technical Specifications listed below as stipulated.

3.1 UNIT #1 – General Mandatory Technical Specifications

3.1.1 Ultra-high performance liquid chromatography (UHPLC)

UNIT #1 UHPLC system must include:

- a) A solvent compartment that holds at least 6 x 1 L bottles and has each of the following:
 - (i) has a built-in solvent degasser,
 - (ii) an autosampler,
 - (iii) a pump, and;
 - (iv) a compartment for UHPLC columns.
- b) Sample flow path throughout the UHPLC components must be compatible for the analysis of biomolecules with typical eluents (water, methanol, acetonitrile) eluents with pH 2 to 12 and salt concentrations of 1 mol/L.
- c) Must have Stainless steel fittings in the UHPLC and must not have manual polytetrafluoroethylene (PTFE) fittings.
- d) The 4-solvent binary pump must operate at flow rates between 0.010 mL/min and 5 mL/min while withstanding 1300 bar for fast separation and optimal chromatographic peak resolution using columns with < 0.2 micron diameter packing.
- e) Flow rate accuracy must be compensated for using built-in solvent compressibility compensation software.
- f) Autosampler must perform injection volumes from 0.1 to 25 µL.
- g) Must have a minimum of two (2) sample trays with total collective capacity of at least 150 vials in the 12 mm outer diameter size range.
- h) Thermostatted sample compartment with temperature control between 5°C and 40 °C.
- i) an autosampler that limits carryover to less than or equal to 0.004% to maintain the integrity of samples.
- j) The system must be compatible with trifluoroacetic acid.

3.1.2 Tandem Mass Spectrometry System

UNIT #1 MS/MS system must meet the following minimum specifications:

- a) The system must be a bench-top configuration.
- b) Must have a mass range of at least 5 to 2,000 m/z with resolution corresponding to less than or equal to 0.7 Da (FWHM).
- c) The scan speed must be at least 12,000 Da/s or faster to accommodate UHPLC separation.
- d) The mass spectrometer must perform simultaneous monitoring of a minimum 500 MRM per second.
- e) The collision cell must provide dwell times lower than 1 ms.
- f) Within a chromatographic run, the system must permit switching between negative to positive polarity with an interscan delay of less than or equal to 25 ms when switching between polarities.
- g) Scan functions must include full MS scan, product ion scan, neutral loss scan, precursor ion scan, and selected precursor-product ion monitoring (i.e. MRM) scan
- h) Must have a Dynamic range of at least 5 orders of magnitude.
- i) The UHPLC must be installed on the side of the mass spectrometer for ergonomics and laboratory health and safety.
- j) The system must be equipped with an individual heated electrospray ionization source (ESI) and an individual APCI source.

- k) The system must have self diagnostics for monitoring system parameters with the ability to alert the user
- l) Must be equipped with a mobile table that supports the entire UHPLC-MS/MS system that has the roughing pumps in a vented enclosure to reduce sound transmission and overheating.
- m) The system must be equipped with an automatic switching valve between the HPLC and the SM to direct the flow to the waste circuit.
- n) The data acquisition and data processing software must be individually licensed software for off-line simultaneous data analysis capacity for 4 users (i.e. the instrument control computer, the data processing computer, and 2 additional users).
- o) Must have An on-column injection of 1 pg reserpine that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using positive electrospray ionization.
- p) Must have an on-column injection of 1 pg chloramphenicol that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using negative electrospray ionization.

3.1.3 Additional Mandatory Specifications for UNIT #1 - Montreal

- a) UHPLC must possess a column compartment that accommodates 2 UHPLC column with a switching valve for their transfer, with columns at least 20 cm total length including column and guard column.
- b) UHPLC thermostatted column compartment must allow temperature control between 5 and 80 °C including preheating of the solvent.
- c) UHPLC autosampler must be configurable to have at least two sample trays with total collective capacity of at least 150 vials of 1.5 mL in the 12 mm outer diameter size range and also plates with at least 350 wells
- d) Must be compatible with nitrogen generator (MAESTRO 32/1-Dual Flow from the company F-DGSI), and provide a maximum nitrogen flow of 32 L/min and outlet pressure of 100 psi or supply a nitrogen generator appropriate to the instrument.
- e) The UHPLC- MS/MS system must include an operating system necessary for its use including a computer with the Windows 10 operating system and Microsoft Office, one monitor, and the required operating and analysis software.
- f) The operating and analysis software must include an integrated raw data processing software to facilitate targeted and non-targeted qualitative analysis, quantitative analysis, a method development wizard, a molecule library integrating UHPLC-MS/MS parameters and identification of molecules with integrated libraries for pharmaceuticals and pesticides as well as industrial contaminants.

3.2 UNIT #2 – General Mandatory Technical Specifications

3.2.1 Ultra-high performance liquid chromatography (UHPLC)

UNIT #2 UHPLC system must include:

- a) A solvent compartment that holds at least 6 x 1 L bottles and has each of the following:
 - (v) has a built-in solvent degasser,
 - (vi) an autosampler,
 - (vii) a pump, and;
 - (viii) a compartment for UHPLC columns.
- b) Sample flow path throughout the UHPLC components must be compatible for the analysis of biomolecules with typical eluents (water, methanol, acetonitrile) with pH 2 to 12 and salt concentrations of 1 mol/L.
- c) Must have Stainless steel fittings in the UHPLC and must not have manual polytetrafluoroethylene (PTFE) fittings.
- d) The 4-solvent binary pump must operate at flow rates between 0.010 mL/min and 5 mL/min while withstanding 1300 bar for fast separation and optimal chromatographic peak resolution using columns with < 0.2 micron diameter packing.
- e) Flow rate accuracy must be compensated for using built-in solvent compressibility compensation software.
- f) autosampler must perform injection volumes from 0.1 to 25 µL.
- g) Must have a minimum of two (2) sample trays with total collective capacity of at least 150 vials in the 12 mm outer diameter size range.
- h) Thermostatted sample compartment with temperature control between 5°C and 40 °C.
- i) an autosampler that limits carryover to less than or equal to 0.004% to maintain the integrity of samples.
- j) The system must be compatible with trifluoroacetic acid

3.2.2 Tandem Mass Spectrometry System

UNIT #2 MS/MS system must meet the following minimum specifications:

- a) The system must be a bench-top configuration.
- b) Must have a mass range of at least 5 to 2,000 m/z with resolution corresponding to less than or equal to 0.7 Da (FWHM).
- c) The scan speed must be at least 12,000 Da/s or faster to accommodate UHPLC separation.
- d) The mass spectrometer must perform simultaneous monitoring of a minimum 500 MRM per second.
- e) The collision cell must provide dwell times lower than 1 ms.
- f) Within a chromatographic run, the system must permit switching between negative to positive polarity with an interscan delay of less than or equal to 25 ms when switching between polarities.
- g) Scan functions must include full MS scan, product ion scan, neutral loss scan, precursor ion scan, and selected precursor-product ion monitoring (i.e. MRM) scan
- h) Must have a Dynamic range of at least 5 orders of magnitude.
- i) The UHPLC must be installed on the side of the mass spectrometer for ergonomics and laboratory health and safety.
- j) The system must be equipped with an individual heated electrospray ionization source (ESI) and an individual APCI source.
- k) The system must have self diagnostics for monitoring system parameters with the ability to alert the user
- l) Must be equipped with a mobile table that supports the entire UHPLC-MS/MS system that has the roughing pumps in a vented enclosure to reduce sound transmission and overheating.
- m) The system must be equipped with an automatic switching valve between the HPLC and the SM to direct the flow to the waste circuit.

- n) The data acquisition and data processing software must be individually licensed software for off-line simultaneous data analysis capacity for 4 users (i.e. the instrument control computer, the data processing computer, and 2 additional users).
- o) Must have An on-column injection of 1 pg reserpine that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using positive electrospray ionization.
- p) Must have an on-column injection of 1 pg chloramphenicol that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using negative electrospray ionization.

3.2.3 Additional Mandatory Specifications for UNIT #2 Burlington

- a) The UHPLC must be equipped with a thermostatted column compartment that accommodates a 20 cm length column (column+guard column) that provides air-controlled temperature between 5 and 60 °C.
- b) The UHPLC must include parts supplied for the established purpose of reducing perfluoroalkyl substance (PFAS) background arising from fluoropolymers, including an isolator column that installs between upstream of the injection valve.
- c) The system must be equipped with a separate syringe pump that can accommodate a 20 ml syringe for post-column infusion.
- d) The vendor must supply a nitrogen generator that supplies the gas flow requirements of the mass spectrometer.
- e) The vendor must provide two computers with minimum specifications 2 TB hard disk space, 16 GB RAM, 64 bit Windows 10 operating system, Microsoft Office, 3.2 GHz speed, multiple USB ports for data transfer.
- f) Each computer system must come with 2 flatscreen monitors of at least 23.5", 1 wireless mouse, and 1 keyboard. One computer will be designated for data processing and the other must be interfaced to the UHPLC-MS/MS system to provide complete control of all components including the UHPLC, autosampler, mass spectrometer including acquisition of data.
- g) Must have a laser printer connected to the instrument control computer.
- h) Each computer must have software with full ability of data processing including work flows that can do quantitation and qualitative analysis. Each computer must have an export data into a format compatible with Microsoft Office software function.
- i) The instrument control computer must have software for full control and monitoring of the UHPLC-MS/MS system including the function for manual and automated compound optimization, instrument tuning, priming and equilibration of the UHPLC pump, setting the needle depth. Software must incorporate both the UHPLC and the MS/MS system as a fully integrated application.
- j) The instrument control computer must have software with read outs on self diagnostics for monitoring system parameters with the ability to alert the user.
- k) Must have a UPS system and all transformers required to connect to the UHPLC-MS/MS system to the facility's power grid.

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

4.0 Contractor Requirements and Obligations

Within ten (10) days of contract award, and prior to delivery of instrumentation, the Contractor must provide ECCC Project Authority with pre- installation site requirements to ensure site-readiness for installation.

Upon completion of the installation, the Contractor must demonstrate the instrument's performance, in accordance with Annex A – Requirement.

Contractor applications chemists or specialists must be available post-installation for applications and instrument troubleshooting support, either by telephone or through on-line platforms.

The entire analytical system, including software, must be serviced and warranted by the Contractor only and must not be a third party entity (ie. Sub-contractor) unless authorized by the Project Authority or other delegated representative at Environment and Climate Change Canada.

All equipment must be NEW. Demo models, used, refurbished or prototype models will not be accepted.

5.0 Warranty

The vendor must include a minimum of a 2 year on-site warranty including parts and labour, travel, yearly preventative maintenance from the date of installation completion plus any travel and living expenses from date of final acceptance sign-off.

Instrument Service Check: under the warranty period, the Contractor must provide on-site service technician support whom must be available within 3 business days of ECCC request.

6.0 Intellectual Property

All software (service packs, upgrades, etc.) provided with the instrument by the Contractor is the sole property of the Contractor. However, any, and all data generated by the purchaser using this software remains the sole property of the purchaser: in this case, Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada, (i.e. The Government of Canada).

7.0 Option to Purchase Extended Instrument Support Plans

The supplier must provide the pre-approved option to purchase comprehensive instrument maintenance support plans, beyond the original warranty periods offered for the proposed instrument. The Instrument Support Plans must be offered in the form of up to four (4) additional one-year Support Plans for each of Unit #1 and Unit #2.

The Contractor provided Comprehensive Maintenance Support Plans must ensure major component parts are covered. Components that are not covered must be identified. The Support Plans must include unlimited corrective maintenance visits, and 1 scheduled preventative maintenance (PM) visit, which must include all standard PM parts, any software updates available and provided.

The Contractor must respond to service requests within 72 hours from the time of service request notification from ECCC.

The Contractor must advise ECCC of any discounts on offered consumables or instrument training purchased by ECCC during the Support Plan validity periods.

The Contractor is not permitted to perform Instrument service or maintenance using a sub-contracted or third party entities, unless authorized by a representative of Environment and Climate Change Canada

ANNEX "B"

BASIS OF PAYMENT

(Text in italics will be removed at contract award.)

Part 1: FIRM REQUIREMENT

- 1.1 The firm deliverables include the manufacture, supply, delivery, installation and training of two (2) **UHPLC-MS/MS** as per the specifications outlined in Annex A - Statement of Work and the Contractor's bid.
- 1.2 Canada will make Milestone Payments in accordance with the Part 1.1: Milestone Payment Schedule below.
- 1.3 The pricing for all line items, will be paid in **Canadian dollars**, the Goods and Services Tax or the Harmonized Sales Tax excluded. Delivery Duty Paid (DDP), Packaging, Transportation costs and the Canadian customs duties are included, and in accordance with Annex A - Statement of Work.
- 1.4 Each of Unit #1 and Unit #2 must be delivered to their specified delivery point locations **on or before March 31, 2022**.
- 1.5 Assembly, Installation and Training for each of Unit #1 and Unit #2 must be delivered to their specified delivery address locations **on or before May 30, 2022**. Preference is for delivery on or before March 31, 2022.

Contract Years Defined:

Contract Year 1: (Contract Year 1): Date of Award to March 31, 2024 inclusive
Option Year 1: (Contract Year 2): April 1, 2024 to March 31, 2025 inclusive
Option Year 2: (Contract Year 3): April 1, 2025 to March 31, 2026 inclusive
Option Year 3: (Contract Year 4): April 1, 2026 to March 31, 2027 inclusive
Option Year 4: (Contract Year 5): April 1, 2027 to March 31, 2028 inclusive

UNIT #1 – Montreal, QC | UHPLC-MS/MS one (1) complete system

Table 1

Item	Description	Quantity	Firm Unit Price	Extended Firm Price (Quantity x Firm Unit Price)
1	For the supply and delivery of one UHPLC-MS/MS as described in Annex A – Statement of Work.	1 EA	\$ _____	\$ _____ (a)
2	Installation as described in Annex A – Statement of Work.	1 LOT	\$ _____	\$ _____ (b)
3	Training as described in Annex A – Statement of Work.	1 LOT	\$ _____	\$ _____ (c)
4	TOTAL (Item 1+2+3): \$ _____			

UNIT #2 – Burlington, ON | UHPLC-MS/MS one (1) complete system

Table 2

Item	Description	Quantity	Firm Unit Price	Extended Firm Price (Quantity x Firm Unit Price)
1	For the supply and delivery of one UHPLC-MS/MS as described in Annex A – Statement of Work.	1 EA	\$ _____	\$ _____ (d)
2	Installation as described in Annex A – Statement of Work.	1 LOT	\$ _____	\$ _____ (e)
3	Training as described in Annex A – Statement of Work.	1 LOT	\$ _____	\$ _____ (f)
4	TOTAL (Item 1+2+3): \$ _____			

Part 1.1: MILESTONE SCHEDULE

UNIT #1 – Montreal, QC | UHPLC-MS/MS one (1) complete system

Table 3

No.	Milestone Description	Firm Amount	Delivery Date
1.	Completed Delivery of UNIT #1 to Montreal, QC of one (1) complete UHPLC-MS/MS system	\$ (a) to be inserted at contract award	Date: On or before March 31, 2022
2.	Completed Installation of UNIT #1 to Montreal, QC for one (1) complete UHPLC-MS/MS system	\$ (b) to be inserted at contract award	Date: On or before May 30, 2022.
3.	Completed Training of UNIT #1 to Montreal, QC for one (1) complete UHPLC-MS/MS system	\$ (c) to be inserted at contract award	Date: On or before May 30, 2022.

UNIT #2 – Burlington, ON | UHPLC-MS/MS one (1) complete system

Table 4

No.	Milestone Description	Firm Amount	Delivery Date
1.	Completed Delivery of UNIT #2 to Burlington, ONT of one (1) complete UHPLC-MS/MS system	\$ (d) to be inserted at contract award	Date: On or before March 31, 2022
2.	Completed Installation of UNIT #2 to Burlington, ONT for one (1) complete UHPLC-MS/MS system	\$ (e) to be inserted at contract award	Date: On or before May 30, 2022.
3.	Completed Training of UNIT #2 to Burlington, ONT for one (1) complete UHPLC-MS/MS system	\$ (f) to be inserted at contract award	Date: On or before May 30, 2022.

Part 2: OPTIONAL REQUIREMENT – Extended Support Plan Warranty Options for UHPLC-MS/MS

Canada may purchase any or all of the optional services at any time during the period of the contract. The options may be exercised in various quantities, from time to time, during the contract period.

2.1 OPTIONAL DELIVERABLES for UNIT #1 ONLY

2.1.1 Up to four (4) one-year individual extended support plan warranty options

Table 5

A	B	C	D	E	F	G	H
Item No.	Optional Description Deliverables	Qty	Option Yr. 1	Option Yr. 2	Option Yr. 3	Option Yr. 4	Extended Price (D+E+F+G)
1	Extended Instrument Support Plans Maintenance and Software Support Warranty in accordance with Annex A.	1 LOT	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

2.2 OPTIONAL DELIVERABLES for UNIT #2 ONLY

2.2.1 Up to four (4) one-year individual extended support plan warranty options

Table 6

A	B	C	D	E	F	G	H
Item No.	Optional Description Deliverables	Qty	Option Yr. 1	Option Yr. 2	Option Yr. 3	Option Yr. 4	Extended Price (D+E+F+G)
1	Extended Instrument Support Plans Maintenance and Software Support Warranty in accordance with Annex A.	1 LOT	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
tor15
CCC No./N° CCC - FMS No./N° VME

ATTACHMENT "1" – ELECTRONIC PAYMENT INSTRUMENTS
(to be completed by Bidder)
ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- () VISA Acquisition Card;
- () MasterCard Acquisition Card;
- () Direct Deposit (Domestic and International);
- () Electronic Data Interchange (EDI);
- () Wire Transfer (International Only);
- () Large Value Transfer System (LVTS) (Over \$25M)

ANNEX “C”

EVALUATION CRITERIA

The proposed Unit #1 and proposed Unit #2 will be evaluated together.

Bidders must propose to bid on both Unit #1 and Unit #2 and indicate the applicable manufacturer, make and model proposed.

UNIT #1

Proposed manufacturer	Year	Model Offered

UNIT #2

Proposed manufacturer	Year	Model Offered

1. Mandatory Technical Evaluation Criteria

Bidder must meet each of the technical specifications located below for each of Unit #1 and Unit #2. Bidders are encouraged to complete the grid indicating cross reference of where the published technical information for each mandatory criteria can be found in their bid submission. Failure to comply with any of the mandatory technical requirement will result in the bid being deemed non-compliant. Bids meeting all the mandatory criteria will then go on to be evaluated against the Point-Rated Technical Criteria.

To ensure compliance is clear, the bidders are strongly encouraged to utilize a numbering system that corresponds to the numbering system below. An example of an acceptable system would be to indicate the specific reference number on an appropriate page of the technical documentation and then highlight or underline the appropriate article of the technical documentation that demonstrates compliance.

1.0 Mandatory Technical Evaluation Criteria of Ultrahigh Performance Liquid Chromatography - Tandem Mass Spectrometer (UHPLC-MS/MS),

Bidder's Proposed Unit #1 will be evaluated against ONLY the Mandatory Technical Evaluation Criteria in Table 1 below. The UHPLC-MS/MS meeting the requirements of each of the criteria will be deemed responsive and be considered for further evaluation against the Point Rated Evaluation Criteria.

Bidder's Proposed Unit #2 will be evaluated against ONLY the Mandatory Technical Evaluation Criteria in Table 2 below. The UHPLC- UHPLC-MS/MS meeting the requirements of each of the criteria will be deemed responsive and be considered for further evaluation against the Point Rated Evaluation Criteria.

Table 1 – UNIT #1 Mandatory Technical Evaluation Criteria

Item	Criteria Description	Location of Supporting info in bid (page #, paragraph #)
1.0	Ultra-high performance liquid chromatography (UHPLC)	
1.1	The UHPLC must include a solvent compartment that holds at least six 1L bottles and has each of the following: i) has a built-in solvent degasser; ii) an autosampler; iii) a pump; and iv) a compartment for UHPLC columns.	
1.2	The sample flow path throughout the UHPLC components must be compatible for the analysis of biomolecules with typical eluents (water, methanol, acetonitrile) with pH 2 to 12 and salt concentrations of 1 mol/L.	
1.3	The UHPLC must have stainless steel fittings in the UHPLC and must not have manual polytetrafluoroethylene (PTFE) fittings.	
1.4	The UHPLC must have a 4-solvent binary pump that must operate at flow rates between 0.010 mL/min and 5 mL/min while withstanding 1300 bar for fast separation and optimal chromatographic peak resolution using columns with < 0.2 micron diameter packing.	
1.5	The UHPLC flow rate accuracy must be compensated for using built-in solvent compressibility compensation software.	
1.6	The UHPLC must have an autosampler that must perform injection volumes from 0.1 to 25 µL.	
1.7	The UHPLC must have a minimum of two (2) sample trays with total collective capacity of at least 150 vials in the 12 mm outer diameter size range of 12+/-3 mm.	
1.8	The UHPLC must have a thermostatted sample compartment with temperature control between 5°C and 40 °C.	
1.9	The UHPLC must have an autosampler that limits carryover to less than or equal to 0.004% to maintain the integrity of samples.	
1.10	The UHPLC system must be compatible with trifluoroacetic acid.	

2.0	Tandem Mass Spectrometry System (MS/MS)	
2.1	The MS/MS system must be a bench-top configuration	
2.2	The MS/MS system must have a mass range of at least 5 to 2,000 m/z with a resolution corresponding to less than or equal to 0.7 Da (FWHM)	
2.3	The MS/MS system must have scan speed that must be at least 12,000 Da/s or faster to accommodate UHPLC separation.	
2.4	The MS/MS system must perform simultaneous monitoring of a minimum 500 MRM per second.	
2.5	The MS/MS system must have a collision cell that must provide dwell times lower than 1 ms.	
2.6	The MS/MS system must permit switching between negative to positive polarity with an interscan delay of less than or equal to 25 ms when switching between polarities within a chromatographic run.	
2.7	The MS/MS system must have scan functions that must include full MS scan, product ion scan, neutral loss scan, precursor ion scan, and selected precursor-product ion monitoring (i.e. MRM) scan	
2.8	The MS/MS system must have a Dynamic range of at least 5 orders of magnitude.	
2.9	The MS/MS system must have a configuration in which the UHPLC must be installed on the side of the mass spectrometer for ergonomics and laboratory health and safety.	
2.10	The MS/MS system must be equipped with an individual heated electrospray ionization source (ESI) and an individual APCI source.	
2.11	The MS/MS system must have self diagnostics for monitoring system parameters with the ability to alert the user	
2.12	The MS/MS system must be equipped with a mobile table that supports the entire UHPLC-MS/MS system that has the roughing pumps in a vented enclosure to reduce sound transmission and overheating.	

2.13	The MS/MS system must be equipped with an automatic switching valve between the HPLC and the SM to direct the flow to the waste circuit.	
2.14	The MS/MS system must have data acquisition and data processing software that must be individually licensed software for off-line simultaneous data analysis capacity for 4 users (i.e. the instrument control computer, the data processing computer, and 2 additional users).	
2.15	The UHPLC-MS/MS must have An on-column injection of 1 pg reserpine that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using positive electrospray ionization	
2.16	The UHPLC-MS/MS must have an on-column injection of 1 pg chloramphenicol that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using negative electrospray ionization	
3.0	Additional Mandatory Specifications for UNIT #1 - Montreal	
3.1	The UHPLC must possess a column compartment that accommodates 2 UHPLC column with a switching valve for their transfer, with columns at least 20 cm total length including column and guard column.	
3.2	The UHPLC thermostatted column compartment must allow temperature control between 5 and 80 °C including preheating of the solvent.	
3.3	The UHPLC autosampler must be configurable to have at least two sample trays with total collective capacity of at least 150 vials of 1.5 mL in the 12 mm outer diameter size range and also plates of at least 350 wells	
3.4	The UHPLC-MS/MS system must be compatible with nitrogen generator (MAESTRO 32/1-Dual Flow from the company F-DGSi), and provide a maximum nitrogen flow of 32 L/min and outlet pressure of 100 psi or supply a nitrogen generator appropriate to the instrument.	

Table 2 - UNIT #2 – Mandatory Technical Evaluation Criteria

Item	Description	Location of Supporting info in bid (page #, paragraph#)
1.0	Ultra-high performance liquid chromatography (UHPLC)	
1.1	The UHPLC must include a solvent compartment that holds at least six 1L bottles and has each of the following: j) has a built-in solvent degasser; v) an autosampler; vi) a pump; and vii) a compartment for UHPLC columns.	
1.2	The Sample flow path throughout the UHPLC components must be compatible for the analysis of biomolecules with typical eluents (water, methanol, acetonitrile) with pH 2 to 12 and salt concentrations of 1 mol/L.	
1.3	The UHPLC must have stainless steel fittings in the UHPLC and must not have manual polytetrafluoroethylene (PTFE) fittings.	
1.4	The UHPLC must have a 4-solvent binary pump that must operate at flow rates between 0.010 mL/min and 5 ml/min while withstanding 1300 bar for fast separation and optimal chromatographic peak resolution using columns with < 0.2 micron diameter packing.	
1.5	The UHPLC flow rate accuracy must be compensated for using built-in solvent compressibility compensation software.	
1.6	The UHPLC must have an autosampler that must perform injection volumes from 0.1 to 25 µL.	
1.7	The UHPLC must have a minimum of two (2) sample trays with total collective capacity of at least 150 vials in the 12 mm outer diameter size range.	
1.8	The UHPLC must have a thermostatted sample compartment with temperature control between 5°C and 40 °C.	
1.9	The UHPLC must have an autosampler that limits carryover to less than or equal to 0.004% to maintain the integrity of samples.	
1.10	The UHPLC system must be compatible with trifluoroacetic acid.	

2.0	Tandem Mass Spectrometry System (MS/MS)	
2.1	The MS/MS system must be a bench-top configuration	
2.2	The MS/MS system must have a mass range of at least 5 to 2,000 m/z with a resolution corresponding to less than or equal to 0.7 Da (FWHM)	
2.3	The MS/MS system must have scan speed that must be at least 12,000 Da/s or faster to accommodate UHPLC separation.	
2.4	The MS/MS system must perform simultaneous monitoring of a minimum 500 MRM per second.	
2.5	The MS/MS system must have a collision cell that must provide dwell times lower than 1 ms.	
2.6	The MS/MS system must permit switching between negative to positive polarity with an interscan delay of less than or equal to 25 ms when switching between polarities within a chromatographic run.	
2.7	The MS/MS system must have scan functions that must include full MS scan, product ion scan, neutral loss scan, precursor ion scan, and selected precursor-product ion monitoring (i.e. MRM) scan	
2.8	The MS/MS system must have a Dynamic range of at least 5 orders of magnitude.	
2.9	The MS/MS system must have a configuration in which the UHPLC must be installed on the side of the mass spectrometer for ergonomics and laboratory health and safety.	
2.10	The MS/MS system must be equipped with an individual heated electrospray ionization source (ESI) and an individual APCI source.	
2.11	The MS/MS system must have self diagnostics for monitoring system parameters with the ability to alert the user	
2.12	The MS/MS system must be equipped with a mobile table that supports the entire UHPLC-MS/MS system that has the roughing pumps in a vented enclosure to reduce sound transmission and overheating.	
2.13	The MS/MS system must be equipped with an automatic switching valve between the HPLC and the SM to direct the flow to the waste circuit.	

2.14	The MS/MS system must have data acquisition and data processing software that must be individually licensed software for off-line simultaneous data analysis capacity for 4 users (i.e. the instrument control computer, the data processing computer, and 2 additional users).	
2.15	The UHPLC-MS/MS must have An on-column injection of 1 pg reserpine that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using positive electrospray ionization	
2.16	The UHPLC-MS/MS must have an on-column injection of 1 pg chloramphenicol that yields a signal-to-noise response of at least 500,000 in the raw unsmoothed chromatogram using negative electrospray ionization	
3.0	Additional Mandatory Specifications for UNIT #2 – Burlington	
3.1	The UHPLC must be equipped with a thermostatted column compartment that accommodates a 20 cm length column (column+guard column) capable of air-controlled temperature between 5 and 60 °C.	
3.2	The UHPLC must include parts supplied for the established purpose of reducing perfluoroalkyl substance (PFAS) background arising from fluoropolymers, including an isolator column that can be installed between upstream of the injection valve.	
3.3	The system must be equipped with a separate syringe pump that can accommodate a 20 ml syringe for post-column infusion.	
3.4	The bidder must supply a nitrogen generator that supplies the gas flow requirements of the mass spectrometer.	
3.5	The bidder must provide two computers with minimum specifications 2 TB hard disk space, 16 GB RAM, 64 bit Windows 10 operating system, Microsoft Office, 3.2 GHz speed, multiple USB ports for data transfer.	
3.6	Each computer system must come with 2 flatscreen monitors of at least 23.5", 1 wireless mouse, and 1 keyboard. One computer will be designated for data processing and the other must be interfaced to the UHPLC-MS/MS system to provide complete control of all components including the UHPLC, autosampler, mass spectrometer including acquisition of data.	
3.7	One computer system must have a laser printer connected to the instrument control computer.	
3.8	The instrument control computer must have software with read outs on self diagnostics for monitoring system parameters with the ability to alert the user.	
3.9	Must have a UPS system and all transformers required to connect to the UHPLC-MS/MS system to the facility's power grid.	

2. Point Rated Technical Evaluation Criteria

The criteria contained herein will be used to evaluate each proposal that has met all the mandatory criteria under Table 1 and all the mandatory criteria under Table 2.

Bidders are advised to address each of the criteria in the order in which they appear and in sufficient depth in their proposals to enable a thorough assessment. Assessments will be based solely on the information contained within the proposal. Points will be awarded to bidders for demonstrating the proposed unit is exceeding the mandatory requirements of UHPLC-MS/MS by providing the technical documentation that supports these parameters and clearly indicate where the information is available in the documentation.

Unit #1 and Unit #2 UHPLC-MS/MS will be evaluated separately.

For Unit #1: Bids that fail to meet the combined minimum point score of 175 points will not be evaluated further and will be considered non-responsive. The rating is performed on a scale of 250 points.

For Unit #2: Bids that fail to meet the combined minimum point score of 170 points will not be evaluated further and will be considered non-responsive. The rating is performed on a scale of 240 points.

The point-rated evaluation will be conducted in two categories: Category 1 for each of Unit #1 and Unit #2.

Category 1: Sections C.1., C.2.

2.1 UNIT #1 - Montreal

2.1.1 CATEGORY 1

C.1 - Ultra high-pressure liquid chromatography (UHPLC) (Total Points Available 75 Points)

1.0	Ultra high-pressure liquid chromatography (UHPLC);	Scoring Grid	Points Available
1.1	The UHPLC system includes a pump with 2 x 3 solvent channels	20 points – for having a pump with 2 x 3 solvent channels	20 points
1.2	The injection volume reach up to 100 µL	20 points for having injection volume reach up to 100 µL	20 points
1.3	A column compartment is equipped to use columns with at least 30 cm total length, including column and guard column	20 points for having a column compartment with at least 30 cm total length, including column and guard column.	20 points
1.4	The columns compartment temperature can be controlled up to 100°C	15 points for column compartment temperatures that are controllable up to 100°C	15 points

C.2 - Tandem Mass Spectrometer (MS/MS) (Total Points Available 175 Points)

1.0	Tandem Mass Spectrometer (MS/MS);	Scoring Grid	Points Available
1.1	Mass resolution reaches 0.2 FWHM	25 points – for having mass resolution that reaches 0.2 FWHM	25 points
1.2	The mass stability is 0.1 Da over a 24 hour period	25 points for having mass stability that is 0.1 Da over a 24 hour period	25 points
1.3	The mass accuracy is 0.1 Da between 5 and 2000 m/z	20 points for having mass accuracy that is 0.1 Da between 5 and 2000 m/z	20 points
1.4	The scan speed reaches at least 15,000 amu/sec	20 points for having a scan speed that reaches at least 15,000 amu/sec	20 points
1.5	The proposed system is compatible with a nitrogen generator already on site (MAESTRO 32/1-Dual Flow from the company F-DGSi) which provides a maximum nitrogen flow of 32 L/min and outlet pressure of 100 psi	20 points for proposing a system that is compatible with existing nitrogen generator (MAESTRO 32/1-Dual Flow from the company F-DGSi)	20 points
1.6	The maximum dimensions for the table with a soundproof box do not exceed 160 cm in width, 90 cm in height and 90 cm in depth in order to respect ergonomics and laboratory health and safety measures	20 points for proposing a table with a soundproof box that does not exceed 160cm in width, 90cm in height and 90 cm in depth	20 points
1.7	The UHPLC- MS/MS system (instrument atop the table) does not exceed the following dimensions (taking into account the spatial limitation of the laboratory) maximum dimension of the table/counter: 160 cm x 90 cm (width x depth); maximum height of the table and the system placed on top in total: 195 cm	30 points for proposing a system that does not exceed spatial limitation of the laboratory: maximum dimension of the table/counter: 160 cm x 90 cm (width x depth); maximum height of the table and the system placed on top in total: 195 cm	30 points
1.8	The UHPLC- MS/MS system can be fully electronically supported by a Toshiba 6 kVA Model 1600 UPS.	15 points for proposing a system that can be fully plugged into a Toshiba 6 kVA Model 1600 UPS	15 points

2.2 UNIT #2 - Burlington

2.2.1 CATEGORY 1

C.1 - Ultra high-pressure liquid chromatography (UHPLC) (Total Points Available: 75 Points)

1.0	Ultra high-pressure liquid chromatography (UHPLC);	Scoring Grid	Points Available
1.1	The UHPLC system includes a pump with 2 x 3 solvent channels	20 points – for having a pump with 2 x 3 solvent channels	20 points
1.2	The injection volume reach up to 100 µL	20 points for having injection volume reach up to 100 µL	20 points
1.3	A column compartment equipped to use columns with at least 30 cm total length, including column and guard column	20 points for having a column compartment with at least 30 cm total length, including column and guard column.	20 points
1.4	The columns compartment temperature can be controlled up to 100°C	15 points for column compartment temperatures that are controllable up to 100°C	15 points

C.2 - Tandem Mass Spectrometer (MS/MS) (Total Points Available: 165 Points)

1.0	Tandem Mass Spectrometer (MS/MS);	Scoring Grid	Points Available
1.1	Mass resolution reaches 0.2 FWHM	25 points – for having mass resolution that reaches 0.2 FWHM	25 points
1.2	The mass stability is 0.1 Da over a 24 hour period	25 points for having mass stability that is 0.1 over a 24 hour period	25 points
1.3	The mass accuracy is 0.1 Da between 5 and 2000 m/z	20 points for having mass accuracy that is 0.1 Da between 5 and 2000 m/z	20 points
1.4	The scan speed reaches at least 15,000 amu/sec	20 points for having a scan speed that reaches at least 15,000 amu/sec	20 points
1.5	The UHPLC-MS/MS system produces a signal-to-noise ratio of as high as 1,000,000 in the raw, unsmoothed chromatogram for an on-column injection of 1 pg reserpine using electrospray positive ionization	25 points for having a signal-to-noise ratio exceeding 1,000,000 for a 1 pg reserpine on-column injection using electrospray positive ionization	25 points
1.6	The UHPLC-MS/MS system produces a signal-to-noise ratio of as high as 1,000,000 in the raw, unsmoothed chromatogram for an on-column injection of 1 pg	25 points for having a signal-to-noise ratio exceeding 1,000,000 for a 1 pg chloramphenicol on-column injection using electrospray negative ionization	25 points

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

	chloramphenicol using electrospray negative ionization		
1.7	The MS/MS system must permit switching between negative to positive polarity with an interscan delay is less than 10 ms when switching between polarities within a chromatographic run.	25 points for having polarity switching time including interscan delay of 10 ms or less when switching between negative to positive polarity	25 points

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

ANNEX D

COMPLETE LIST OF DIRECTORS

(to be completed by Bidder)

Board of Directors

In accordance with Section 1, Integrity Provisions – Bidder, Bidders are required to provide a list of their Board of Directors before contract award. Bidders are requested to provide this information in their bid.

Director Name - _____

Procurement Business Number (PBN)

In accordance with Section 2, Procurement Business Number, of the Standard Instructions, Bidders are required to have a Procurement Business Number (PBN) before Standing Offer award.

Procurement Business Number - _____

Suppliers may register for a PBN online at Supplier Registration Information. For non-Internet registration, suppliers may contact the InfoLine at 1-800-811-1148 to obtain the telephone number of the nearest Supplier Registration Age

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

ANNEX E

COVID-19 VACCINATION REQUIREMENT

In accordance with the COVID-19 Vaccination Policy for Supplier Personnel, all Bidders must provide with their bid, the COVID-19 Vaccination Requirement Certification attached to this bid solicitation, to be given further consideration in this procurement process. This Certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of any resulting Contract.

COVID-19 Vaccination Requirement Certification

I, _____ (first and last name), as the representative of
_____ (name of business) pursuant to
_____ (insert solicitation number), warrant and certify that all
personnel that _____ (name of business) will provide on the
resulting Contract who access federal government workplaces where they may come into contact with
public servants will be:

- (a) fully vaccinated against COVID-19 with Health Canada-approved COVID-19 vaccine(s); or
- (b) for personnel that are unable to be vaccinated due to a certified medical contraindication, religion or other prohibited grounds of discrimination under the Canadian Human Rights Act, subject to accommodation and mitigation measures that have been presented to and approved by Canada;

until such time that Canada indicates that the vaccination requirements of the COVID-19 Vaccination Policy for Supplier Personnel are no longer in effect.

I certify that all personnel provided by _____ (name of business) have been notified of the vaccination requirements of the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel, and that the _____ (name of business) has certified to their compliance with this requirement.

I certify that the information provided is true as of the date indicated below and will continue to be true for the duration of the Contract. I understand that the certifications provided to Canada are subject to verification at all times. I also understand that Canada will declare a contractor in default, if a certification is found to be untrue, whether made knowingly or unknowingly, during the bid or contract period. Canada reserves the right to ask for additional information to verify the certifications. Failure to comply with any request or requirement imposed by Canada will constitute a default under the Contract.

Signature: _____

Date: _____

Optional

For data purposes only, initial below if your business already has its own mandatory vaccination policy or requirements for employees in place. Initialing below is not a substitute for completing the mandatory certification above.

Initials: _____

Solicitation No. - N° de l'invitation
K8C13-220380/A
Client Ref. No. - N° de réf. du client
K8C13-220380

Amd. No. - N° de la modif.
File No. - N° du dossier
TOR-1-44107

Buyer ID - Id de l'acheteur
TOR015
CCC No./N° CCC - FMS No./N° VME

Information you provide on this Certification Form and in accordance with the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel will be protected, used, stored and disclosed in accordance with the Privacy Act. Please note that you have a right to access and correct any information on your file, and you have a right to file a complaint with the Office of the Privacy Commissioner regarding the handling of your personal information. These rights also apply to all individuals who are deemed to be personnel for the purpose for the Contract and who require access to federal government workplaces where they may come into contact with public servants.