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Bid Receiving Public Works and Government  
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Voir la présente pour les  
instructions sur la présentation  
d'une soumission

NA  
Ontario

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise  
indicated, all other terms and conditions of the Solicitation  
remain the same.

Ce document est par la présente révisé; sauf indication contraire,  
les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**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

<b>Title - Sujet</b> Ultra High Performance Liquid Chrom	
<b>Solicitation No. - N° de l'invitation</b> K8C13-220380/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> K8C13-22-0380	<b>Date</b> 2021-12-29
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$TOR-015-8132	
<b>File No. - N° de dossier</b> TOR-1-44107 (015)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Eastern Standard Time EST <b>on - le 2022-01-10</b> Heure Normale du l'Est HNE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Abela, Aaron	<b>Buyer Id - Id de l'acheteur</b> tor015
<b>Telephone No. - N° de téléphone</b> (416) 262-6212 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Environment and Climate Change Canada 867 Lakeshore Rd. Burlington, ON L7S 1A1	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**Solicitation Amendment No 004 is being issued to address the following:**

**A) Question & Answer**

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Q1: 3.1.1 d) As the sensitivity and general performance of all modern mass spectrometers drop off significantly above LC flow rates of approximately 2.0 mL/min and no practical method calls for flow rates above that amount, we request the maximum flow rate be reduced from 5.0 mL/min to 2.2 mL/min.

A1: No. ECCC will not accept the request for a lower flow rate limit. Our research lab requires the higher flow rates for specialized analyses including semi-preparative chromatography.

Q2: 3.1.1 d) We request the backpressure limit be reduced from 1,300 bar to 1,240 bar as this does present any difference in performance with the sub-2 um particle columns identified in the RFP.

A2: ECCC will not accept the request for a lower maximum pressure. Our research lab requires the innovation of a higher pressure limit for advanced analytical chemistry.

Q3: 3.1.1 g) Will Environment Canada accept an autosampler that a total vial capacity of 100 vials of the type and dimensions identified in the RFP?

A3: No. ECCC will not accept the request for a lower vial capacity. The need for greater vial capacity is based on our high sample throughput needs.

Q4: 3.1.3 a & b) Will Environment Canada accept a column compartment shorter than 20 cm provided that it can accommodate a full 15 cm column, as identified in the RFP, as well as a guard column in the same space? If not, will Environment Canada accept a 30 cm column compartment with a maximum temperature of 65 degrees Celsius provided that all other specifications remain the same?

A4 : No, ECCC will not accept column compartment shorter than 20 cm. The requested maximum temperature is needed for method development dealing with biotoxins.

Q5: 3.2.3 c) Will Environment Canada accept a solution with an integrated syringe pump with a volume smaller than 20 mL, but that can automatically refill and continuously deliver from a built-in solvent reservoir?

A5: No. ECCC requires an external syringe pump that can accommodate a 20 ml syringe for post-column infusion.

Q6: Rated Criteria, 2.1, Section C.1

1.4) We request this temperature specification is reduced to match the specifications listed in the mandatory criteria as there is no practical application in LC-MS(/MS) that requires column temperatures up to 100 degrees Celsius.

A6: No. ECCC is assigning points for column compartments that exceed the standard performance because a wider temperature range with an upper limit of 100 degrees Celsius represents significant innovation that is beneficial to our research needs. For example when analyzing biomolecules using ion exchange columns, we use a column temperature of 85 degrees Celsius.

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.  
004  
File No. - N° du dossier  
TOR-1-44107

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

Q7: Rated Criteria, 2.1, Section C.2

1.7) Request that Environment Canada increase the acceptable depth of an instrument to 110 cm provided that it can still fit on a table meeting the specifications outlined in criterion 1.6.

A7: No, ECCC will not accept an increase of depth. The depth is limited and cannot exceed 90 cm due to health and safety in our laboratory.

Q8: Rated Criteria, 2.2, Section C.1

1.4) We request this temperature specification is reduced to match the specifications listed in the mandatory criteria as there is no practical application in LC-MS(/MS) that requires column temperatures up to 100 degrees Celsius.

A8: No. ECCC is assigning points for column compartments that exceed the standard performance because a wider temperature range with an upper limit of 100 degrees Celsius represents significant innovation that is beneficial to our research needs. For example when analyzing biomolecules using ion exchange columns, we use a column temperature of 85 degrees Celsius.

Q9:

Rated Criteria, 2.2, Section C.2

1.5) Will Environment accept 950,000:1 as an acceptable specification as the 1,000,000:1 is a specification unique to a single vendor?

A9: No. Additional sensitivity in both positive and negative polarity is a significant innovation that is beneficial to the research programs at ECCC in which we analyze ultra trace contaminants in Arctic ice, snow, and seawater.

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**ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME**