



**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  
Alberta

**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 / Travaux  
publics et services gouvernementaux  
Canada Place/Place du Canada  
Suite 1000  
10th Floor/10e étage  
9700 Jasper Ave/9700 ave Jasper  
Edmonton  
Alberta  
T5J 4C3

<b>Title - Sujet</b> GCMS System with Autosampler Autosampler – Calgary, Alberta	
<b>Solicitation No. - N° de l'invitation</b> 23240-220507/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> 23240-220507	<b>Date</b> 2022-01-17
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$EDM-201-12188	
<b>File No. - N° de dossier</b> EDM-1-44090 (055)	<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> Mountain Standard Time MST <b>on - le 2022-01-19</b> Heure Normale des Rocheuses HNR	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Ho, Hector	<b>Buyer Id - Id de l'acheteur</b> edm055
<b>Telephone No. - N° de téléphone</b> (780) 901-0989 ( )	<b>FAX No. - N° de FAX</b> (418) 566-6167
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**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 No. - N° de l'invitation  
23240-220507/A  
Client Ref. No. - N° de réf. du client  
23240-220507

Amd. No. - N° de la modif.  
003  
File No. - N° du dossier  
EDM-1-44090

Buyer ID - Id de l'acheteur  
edm201  
CCC No./N° CCC - FMS No./N° VME

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## IMPORTANT NOTICE TO SUPPLIERS RE. BID SUBMISSION REQUIREMENTS

Due to the impacts from the COVID-19 pandemic, temporary measures are being taken on-site at the Western Region Bid Receiving Unit to encourage social distancing. The health and safety of staff and suppliers remains our top priority.

Suppliers are required to submit bids electronically using the Canada Post epost Connect application for the subject bid solicitation. This service allows suppliers to submit bids, offers and arrangements electronically to PWGSC Bid Receiving Units. This online service enables the electronic transfer of large files up to Protected B level.

To use epost Connect to submit your bid, or to get more information on its use, please send an email to the Western Region Bid Receiving Unit's generic address at [roreceptionSoumissions.wrbidreceiving@tpsgc-pwgsc.gc.ca](mailto:roreceptionSoumissions.wrbidreceiving@tpsgc-pwgsc.gc.ca)

Faxed and hard copy (submitted in person or via mail/courier) bids will not be accepted for the subject bid solicitation.

Given current circumstances and network limitations, some active procurements may be delayed. To stay up to date on the status of specific procurements, please consult [Buysandsell.gc.ca](http://Buysandsell.gc.ca).

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**Amendment 003 has been raised to answer the following questions:**

### SR 2.1 Gas Chromatograph (GC)

- 2.1.2: Could the Project Authority clarify why this is a requirement for the intended application? This appears to be a lock-out feature. [This flexibility is required for our research lab to be at the forefront of method development and innovation.](#)

[The purpose of this feature is for retention time repeatability. Should this requirement not be for your intended retention time repeatability rather than a vendor-specific feature? Kindly provide your retention time repeatability requirements so vendors can address if they can meet this or not. We meet the most aggressive EPA retention time repeatability so we are confident we can meet your requirements for retention time repeatability especially since with the power of the masses using mass spectrometer, this does not need to be as aggressive as the EPA requirement may even for future requirements especially in method development.](#)

**Answer: retention time repeatability must be at least +/- 0.01 min for hydrocarbon analysis**

- 2.1.3: We are wondering why Canada require a 150 autosampler tray when the average GC runtimes are 20 minutes. Would a minimum of 100 autosampler tray be acceptable? A 150 position autosampler is very expensive, and appears to be a lock-out feature. [The average run times in our lab are not 20 minutes, again being a research lab, there can be a wide range of run times and method development. The 150 tray gives us more capacity in the current environment of the building not being at 100% staff capacity.](#)

[Could the project authority explain how doing method development requires high throughput capacity? This autosampler is an extremely expensive option which may not be required for R&D productivity requirements. In addition, good practice is to change a septum after about 100 injections so there would need to be personnel intervention at this time where more samples can be loaded if needed.](#)

**Answer: 150 position would give more capacity, samples could be pre-loaded and minimize personnel intervention time. However, a minimum of 100 positions would be acceptable.**

## **SR 2.2 Mass Spectrometer (MS)**

- 2.2.1: Could you please clarify why this is a requirement for your intended application? This appears to be a lock-out feature. – for maximum sensitivity and sharing of parts of existing equipment.  
Thank you for the clarification. If the reason for this specification is “sharing of parts of existing equipment”, we suggest Canada remove this specification as this suggests a bias towards one vendor, and does not fulfil the requirement for an open and competitive bidding process.

**Answer: Remove specification**

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### **Under Annex “A” Requirement**

#### **DELETE:**

2.2.1 the MS must be a single quadrupole MS fitted with an Electron Impact ion source constructed from an inert material;

### **Under Annex “C” Evaluation Criteria**

#### **DELETE:**

a single quadrupole MS fitted with an Electron Impact ion source\*\* constructed from an inert material;

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- 2.2.3: This appears to be a lock-out feature; would Canada accept a better and more robust material? – to ensure high thermal stability and sharing of parts of existing equipment for efficient troubleshooting, both cost wise and time. Also for comparability of data with existing systems with different sample introduction such as pyrolysis.  
To address the response, we have been doing pyrolysis successfully for many years and will continue to do so. In addition, it would be very unlikely to share quadrupoles between instruments. That would make another instrument down and costing Canada unnecessary time when with our solution this would not be the case. Why is Canada not willing to open and accept something better?

**Answer: The lab has a dedicated pyrolysis- GC- quadrupole system made of the same material. Having the same material in the new system would minimize variables when comparing data from the dedicated pyrolysis-GCMS with that of liquid or SPME injection from different sample prep techniques, which the new system would be used for. Sharing of parts would be beneficial when troubleshooting to test which parts are at fault. There would be more costs associated with a service call and it would also minimise downtime associated with lengthy procurement lead times.**

- 2.2.5: This appears to be a lock-out feature; would Canada accept an easier assembly requiring no tools to maintain? To ensure limited downtime of instrument when performing maintenance, no tools may not avoid less time in vented mode. Also familiarity with existing systems will limit downtime.

If the requirement is for a system that offers the least amount of downtime, our solution exceeds this requirement. Again, Canada's response indicates a preference for a specific vendor, and this defeats the purpose of an open and competitive bidding process. Not requiring tools or having small screws ensures less downtime; provides ease of use; and is more robust.

**Answer: Acceptable**

- 2.2.6: Could the Project Authority clarify why this is required for their application? How many scans are they currently achieving across the chromatographic peak? Being a research lab, applications can change and mandate includes pursuing innovation, technology transfer along with some routine analysis. The lab houses a variety of mass spectrometers with varying specifications.  
To know if we can meet this requirement, we need to know how many scans / sec you require. Our scan speed exceeds the requirements of the narrowest bore column, and in the future if there was a narrower bore column, vendors would need to develop different pneumatics to accommodate these.

**Answer : at least 10,000u/second**

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**Question:**

2.1.1 the GC must be fitted with an inert capillary split/splitless injector; - **Will this GC need just 1 split/splitless injector or will it require 2.**

**Answer:**

Only one injector necessary at this time

**Question:**

2.1.5 the auto-sampler and tray must have the ability to be installed at 2 different injector positions without the need for alignment;- same as above – **is the requirement for 2 injectors or 1 that is shared between detectors.**

**Answer:**

The requirement would be for 2 injectors, this is for possible upgrade and future capabilities.

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**ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME AND IN FULL EFFECT**