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Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
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#219 -800 Burrard Street, 2nd Floo  
#219 - 800, rue Burrard, 2e étage  
Vancouver, BC V6Z 2V8  
Bid Fax: (604) 775-7526

**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 -  
Pacific Region  
800 Burrard Street, 12th Floor  
800, rue Burrard, 12e étage  
Vancouver, BC V6Z 2V8

<b>Title - Sujet</b> Chromatograph Mass Spectrometer	
<b>Solicitation No. - N° de l'invitation</b> H4134-123184/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> H4134-123184	<b>Date</b> 2013-02-14
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$VAN-584-6891	
<b>File No. - N° de dossier</b> VAN-2-35279 (584)	<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> <b>on - le 2013-02-20</b>	
<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> Perez, Elizabeth	<b>Buyer Id - Id de l'acheteur</b> van584
<b>Telephone No. - N° de téléphone</b> (604) 775-7690 ( )	<b>FAX No. - N° de FAX</b> (604) 775-7526
<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>

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## **AMENDMENT 002**

THIS AMENDMENT IS RAISED FOR QUESTIONS CLARIFICATIONS, AND TO AMEND ITEM D3.2, D6.5, D6.7 WITHIN THE ANNEX "A" REQUIREMENT AND THE BID LABEL:

- **Question 1.**

D1.1 Must have a flow rates of at least 0.2 mL/min to 10 mL/min MANDATORY

Will a maximum flow rate of 2ml/min be acceptable? Please clarify if this requirement is for an analytical LC system or a semi-preparative LC system.

**Answer:**

This instrument is being sought to replace an existing LC-MS system. Currently, the present LC unit functions as a semi-prep LC unit as well as an analytical LC system. Since this instrument is replacing an existing system with these capabilities, we would like the new system to have the same flexibility. A maximum flow rate of 2ml/min will not be acceptable.

- **Question 2.**

D3.2 Must hold at least 100 standard 2 mL sample vials. MANDATORY

Will a maximum of 96 standard 2 mL sample vials be acceptable?

**Answer:**

We are replacing a unit that can currently hold 100 vials and we would like to have an equivalent system, however 96 vials is acceptable since it is very close to 100 vials.

- **Question 3.**

D6.5 Light sources must include a deuterium lamp and a tungsten lamp. MANDATORY

Will a light source consisting of only a deuterium lamp be acceptable if it can accomplish the same thing?

**Answer:**

If all other requirements for the DAD detector are met we will accept a light source with either a deuterium lamp or both a deuterium lamp and a tungsten lamp as long as it is capable of stable wavelengths from 190nm to 800 nm (specified in D6.2).

- **Question 4.**

D6.7 Electronic temperature control must be included. MANDATORY

Will a flow cell that is not electronically temperature controlled but instead equilibrated at a constant, higher than ambient temperature be acceptable?

**Answer:**

We will accept a flow cell that can maintain a constant, higher than ambient temperature. The specification in D6.7 was meant for temperature control of the lamps.

- **Question 5.**

E1: Must have a scan speed of 24000amu/s

This is a specification unique to a single manufacturer. Scan speeds of 10,000amu and above have proven more than sufficient to do multiple MRM (>50 analytes) experiments and provide more than sufficient points (>21) across UHPLC peaks for excellent quantification. Nothing in the description of the proposed use requires scan speeds of 24,000 amu/sec or in excess of 10,000amu/sec.

Will the Crown accept a minimum scan speed of 10,000 amu/sec and not permit additional points for the lock-out specification presently in the RFP?

**Answer:**

No. We have requested higher scan speeds since they provide greater data quality. A minimum scan speed is requested in the RFP, therefore this is not a lock-out specification. According to manufacturer specifications, there is more than one manufacturer who can provide 24,000 scan speeds and above.

• **Question 6.**

E9: Mandatory MS3

MS3 is a lock-out specification unique to a single manufacturer. MS3 is not necessary to do toxicological MS in general nor is it necessary to attain the specificity and sensitivity required for the psilocybin assay. The other scan functions mentioned are common to all manufacturers' tandem MS instruments.

References can be provided to substantiate the ability of the proposed system to do toxicological assays with UHPLC chromatography at much greater sensitivity than that specified in the RFP (F1)

Will the Crown remove the requirement to do MS3? and the subsequent requirement to do MSn in F2.1 and F2.2?

**Answer:**

No. This is not a lock-out specification. This instrument is being sought to replace an LC-MS ion trap with a validated method for psilocybin analysis producing MS3 data, therefore it is a minimum requirement. However, we have offered points for MSn since we would prefer to have the flexibility offered with MSn for other method development.

• **Question 7.**

F2.1 The RFP states that the data produced must be compatible and satisfactory with data previously acquired on an existing LC-MS

Since there is no example of this data, how can a potential supplier know the standard to which their instrument will be held to?

**Answer:**

This specification is meant to be examined on-site when running the transferred psilocybin method in the presence of the user after installation of the instrument. Paragraph F2 describes the type of solution that the instrument will be required to analyse with the method.

Specifically, the RFP section F states:

Acceptance of the instrument will be determined on-site in the presence of the user after installation by the following criteria in addition to the manufacturer specified performance specifications for that system:

F1. MS/MS sensitivity:

In positive mode ESI a 2 µ L injection of 125fg/µL solution of Reserpine must not be less than 40:1 with a flow rate of 200 µL/min.

F2. Satisfactory demonstration of a psilocybin standard of concentration approximately 25 ug/mL (provided by DAS laboratory) and a typical sample (concentration at least 25 ug/mL) run on a method transferred from another LC-MS system. Satisfaction will be granted if:

F2.1 All data collected for UV, MS, MS/MS and MSn is consistent with previously acquired data.

F2.2 A report is generated and printed automatically which contains TIC, MS, MS/MS and MSn data as well as UV chromatograms.

- **Question 8.**

Again, MSn is unique to a single manufacturer - since no other vendor can produce MSn data, this is a lock-out specification. Also, this would not permit an opportunity to prove that comparable or superior data can be done without using MSn. Will the Crown remove MSn from this requirement?

**Answer:**

No. This is not a lock-out specification. This instrument is being sought to replace an LC-MS ion trap with a validated method for psilocybin analysis producing MS3 data, therefore it is a minimum requirement. However, we have offered points for MSn since we would prefer to have the flexibility offered with MSn for other method development.

- **Under Annex "A" Requirements D3.2**

DELETE: Must hold at least 100 standard 2 mL sample vials. MANDATORY

**INSERT: Must hold at least 96 standard 2 mL sample vials. MANDATORY**

- **Under Annex "A" Requirements D6.5**

DELETE: Light sources must include a deuterium lamp and a tungsten lamp. MANDATORY

**INSERT: Light sources must include either a deuterium lamp or both a deuterium lamp and a tungsten lamp. MANDATORY**

- **Under Annex "A" Requirements D6.7**

DELETE: Electronic temperature control must be included. MANDATORY

**INSERT: Electronic temperature control of the lamp(s) must be included. MANDATORY**

- **Under BID RETURN LABEL**

DELETE: In it's entirety.

INSERT: Replace as per below :

Solicitation No. - N° de l'invitation

H4134-123184/A

Client Ref. No. - N° de réf. du client

H4134-123184

Amd. No. - N° de la modif.

002

File No. - N° du dossier

VAN-2-35279

Buyer ID - Id de l'acheteur

van584

CCC No./N° CCC - FMS No/ N° VME

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**NOTE TO BIDDERS:** Please use the mailing label below and affix it securely to the outside of the envelope or package containing your bid submitted by mail or courier. For bids submitted by facsimile (Bid receiving fax (604) 775-7526), use this sheet as the cover sheet. Always ensure your company name, return address, open bidding solicitation number and closing date appear legibly on the outside of your bid submission.

**BID RECEIVING ADDRESS UNTIL FEB. 17, 2013**

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Bid Receiving  
Public Works & Government Services Canada  
**12TH FLOOR - 800 BURRARD STREET**  
VANCOUVER BC V6Z 2V8

**Solicitation No. : H4134-123184/A**

**Solicitation Closes at : 2:00 PM PT**  
**on : February 20 2013**

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**OR**

**NEW BID RECEIVING ADDRESS EFFECTIVE FEB. 18, 2013**

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Bid Receiving  
Public Works & Government Services Canada  
**#219 - 800 BURRARD STREET, 2ND FLOOR**  
VANCOUVER BC V6Z 2V8

**Solicitation No. : H4134-123184/A**

**Solicitation Closes at : 2:00 PM PT**  
**on : February 20 2013**

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CCC No./N° CCC - FMS No/ N° VME

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