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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.

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Title - Sujet Gas Chromatograph Chromatographe gazeux	
Solicitation No. - N° de l'invitation T8804-200081/A	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client T8804-200081	**Date** 2021-02-11
GETS Reference No. - N° de référence de SEAG PW-$$PV-925-79663	
File No. - N° de dossier pv925.T8804-200081	**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 2021-02-18 Heure Normale du l'Est HNE

F.O.B. - F.A.B.
Plant-Usine: ☐ **Destination:** ☑ **Other-Autre:** ☐

Address Enquiries to: - Adresser toutes questions à: Barnett, Delaney	**Buyer Id - Id de l'acheteur** pv925
Telephone No. - N° de téléphone (613) 327-5986 ( )	**FAX No. - N° de FAX** ( ) -

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Canada

Amendment No. 001 is being issued to make changes to the request for proposal (RFP) as specified below and to publish all answers to the questions received to date. In addition to change the solicitation closing date be extended up to February 18, 2021.

A. QUESTIONS AND ANSWERS

Q1 **For item 3B, Section 7.5.3 of the method states a calibration curve from 0.5-10ug/L and 2.5-50ug/L for the two sets of components. Section 11.1 states a sample extraction with SPE or SPE disks but it says to consult method 3535, so there's no direct link to concentration here. we can hit the calibration curve specifics, but extraction is user dependent and outside of the hardware's control. Is this acceptable to the client?**

A2: Although method 3535 is referenced in EPA 8095, we do not anticipate doing solid phase extraction from aqueous solution in our aviation security context. We are adapting EPA 8095 to an application where explosives are harvested from surfaces using a sampling medium and subsequently extracted into solution for analysis. The detection of 100 picograms (minimum) seemed reasonable in this context.

Q2: For items 3D and 3E, According to the EPA method stated, the sample have to be thermostatted at 6°C. Is this something we need to replicate as well?

A2: No, we are not seeking this requirement. In our application we anticipate running samples in a very short timeframe i.e. samples won't spend very long in the tray prior to analysis.

Q3: For item 3J) Would the customer accept a PTV with on-column capability as per the method requirements? The PTV would retain the ability to do standard split/splitless injection techniques with standard PTV liners, but the PTV-OC technique uses a guard column and no commonly-replaceable liner (the suggestion is yearly), therefore item 3F would no longer be needed.

A3: Yes, this would be acceptable. It is our understanding that standard injection port liners (deactivated) would still be required using this technique. See below modification B1 and B1.1 to the RFP.

Q4: Is the customer doing this application currently? If so, where are the 6 meter columns purchased?

A4: No, we are not using this method currently. We are proposing to adapt this method to our requirements.

Q5: Since EPA 8095, states that Hydrogen MUST be used as a carrier gas, shouldn't the system come configured with this capability?

A5: Taken from EPA8095:

NOTE: Other carrier gases used routinely with an ECD are acceptable. However, the use of hydrogen provides the best peak resolution. The retention times, chromatograms, and data presented in this method were developed with hydrogen.

In our aviation security context, we don't anticipate requiring the kind of resolution offered by hydrogen but we want to keep that option available to meet any future requirement.

Q6: For column:

- **1 6 m x 0.53-mm ID fused-silica, coated with 5% diphenyl - 95% dimethylsiloxane (HP-5, or equivalent), 1.0-µm film thickness.**

Is the 16m length correct or a typo? There is a 30m or a 15m. If 16 m is still the length desired, would it be ok to use a 30m column and cut it down to 16 m?

A6: Yes, this is a typo; we are looking for a 6 metre length. See below modification B.2 to the RFP.

Q7: For column:

- **6 m x 0.53-mm ID fused-silica, coated with 100% trifluoropropyl methylpolysiloxane (Restek RTX-200 or equivalent), 0.5-µm film thickness.**

Restek has RTX – 200 in 15m not in 6 m. The smallest one offered on Restek's website has a length of 10 m for this phase. If 6m is still the desired length, would it be ok to get two (2x) 15 m columns and cut them down to the 4x 6m lengths?

A7: Yes, that would meet our requirements.

B. RFP MODITICATIONS

B1. At Annex A – 3.0 Technical Requirements

DELETE: J. The system must have Cool On-Column (COC) injector

INSERT: J. The system must have On-Column injector or equivalent;

B1.1 At Part 2.1 - MANDATORY TECHNICAL EVALUATION CRITERIA Item 8

DELETE: The system must have Cool On-Column (COC) injector

INSERT: The system must have On-Column injector or equivalent;

B2. At Annex A – 3.0 Technical Requirements

DELETE: 1 6 m x 0.53-mm ID fused-silica, coated with 5% diphenyl - 95% dimethylsiloxane (HP-5, or equivalent), 1.0-µm film thickness.

INSERT: 6 m x 0.53-mm ID fused-silica, coated with 5% diphenyl - 95% dimethylsiloxane (HP-5, or equivalent), 1.0-µm film thickness.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME