



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving - PWGSC / Réception des soumissions**  
**- TPSGC**  
**11 Laurier St./ 11 rue, Laurier**  
**Place du Portage, Phase III**  
**Core 0B2 / Noyau - 0B2-103**  
**Gatineau, Québec K1A 0S5**

## 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**  
Scientific, Medical and Photographic Division /  
Division de l'équipement scientifique, des produits  
photographiques et pharmaceutiques  
11 Laurier St./ 11 rue, Laurier  
6B1, Place du Portage  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> Sulphur Analyser	
<b>Solicitation No. - N° de l'invitation</b> K8A21-170910/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> K8A21-170910	<b>Date</b> 2016-12-20
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-904-72054	
<b>File No. - N° de dossier</b> pv904.K8A21-170910	<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 2017-01-18</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<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> Frigon, Francine	<b>Buyer Id - Id de l'acheteur</b> pv904
<b>Telephone No. - N° de téléphone</b> (819) 743-4279 ( )	<b>FAX No. - N° de FAX</b> (819) 956-3814
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Environment and Climate Change Canada c/o Emission Research and Measurement Section 335 River Rd. Ottawa, Ontario K1A0H3	

**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 # 001 is raised to delete and replace Annex A – Part 1 – Requirement and Part 2.1 – Mandatory Technical Evaluation Criteria as follow:**

**Delete:** Annex A Part 1 and Part 2.1 in its entirety.

**Replace:** Revised Annex A – Part 1 and Part 2.1

**ANNEX "A"**

**Part 1 - REQUIREMENT**

Environment Canada has a requirement for the supply of a bench top sulfur determination analyzer (hereinafter referred to as the analyzer), for the testing and determination of sulfur in fuel samples. The analyzer must deliver, enable and support test methods for the determination of total sulfur by Ultraviolet fluorescence in fuel such as gasoline, oxygen enriched gasoline, diesel, biodiesel, and diesel/biodiesel blends and must meet all of the mandatory technical requirements as specified below and the mandatory evaluation criteria as specified at Part 2.1 - Mandatory Technical Evaluation Criteria.

The analyzer must work and operate at all times in accordance with the mandatory evaluation criteria as specified below at Part 2.1 - Mandatory Technical Evaluation Criteria.

**1. The requirement must include all of the following:**

**1.1 Delivery:**

The analyzer including the manual(s) must be supplied and delivered no later than March 31, 2017.

**1.2** Any required computer, monitor, software, printer, parts or other peripherals that are necessary for the operation of the analyzer must be included.

**1.3** A minimum warranty of 1 year is required.

**1.4** A full set of instruction manuals in English is required. (either hard or electronic copy).

## Part 2.1 - MANDATORY TECHNICAL EVALUATION CRITERIA

The following requirements are the mandatory technical evaluation criteria which will be evaluated during the Bid Evaluation. In addition the Contractor will be required to meet all of the mandatory technical requirements for the duration of the Contract

Bidders are requested to cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.
M1	The analyzer must deliver, enable and support the analysis of both gasoline and diesel based matrices including biofuels.	
M2	The analyzer must produce a valid test result in under 15 minutes	
M3	The measurement principle must be based on Ultraviolet fluorescence detection. The analyzer must detect fluorescence emitted and convert the resulting signal to the measurement of sulfur in the sample.	
M4	The detection limit of the analyzer must be 0.5 ppm or lower, the analyzer must be able to measure a result of 0.5ppm or lower.	
M5	The amount of sample the analyzer requires for each test must be under 200ml.	
M6	The analyzer must comply with the specifications contained in the ASTM (American Society for Testing and Materials) International standard document: ASTM D5453. Vendor must provide documentation showing the analyzer complies with ASTM D5453.	

ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION REMAINS THE SAME.