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Vancouver, BC V6Z 0B9  
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  
219 - 800 Burrard Street  
800, rue Burrard, pièce 219  
Vancouver, BC V6Z 0B9

<b>Title - Sujet</b> Laboratory Analysis Services	
<b>Solicitation No. - N° de l'invitation</b> EZ897-161443/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> 20161443	<b>Date</b> 2016-08-16
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$VAN-588-7828	
<b>File No. - N° de dossier</b> VAN-6-39022 (588)	<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 2016-08-23</b>	<b>Time Zone</b> Fuseau horaire Pacific Daylight Saving Time PDT
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Pascal, Kristina	<b>Buyer Id - Id de l'acheteur</b> van588
<b>Telephone No. - N° de téléphone</b> (604) 666-1465 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<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>

The amendment 005 is created to answer questions from bidders and amend the Request for Proposal.

Q1: In regards to solicitation no. EZ897-161443/A, Annex B, Section B.1.2.2 Inorganics and General Chemistry - the pricing table requires a unit cost input for **"Sulphide in Soil"**. The Bidder would like to confirm the analytical method required for this test as there are a couple options that would affect pricing.

A1: We do not specify the analytical method used for this parameter. As outlined in Section B.1.2 Individual Analysis – 'the firm unit price must be for an analytical method providing a detection limit that meets the most stringent of all' applicable guidelines / standards.

Q2. Section B1.2.6 – Soil Vapour Samples. Could you please specify what is expected to be reported under TVOC BCWLAP and TVOC CCME.

A2: Remove "TVOC CCME" and "TVOC BCWLAP + CCME". Change TVOC BCWLAP to BC VOC.

BC VOC includes:

Benzene  
Bromodichloromethane  
Bromoform  
Bromomethane  
Carbon tetrachloride  
Chlorobenzene  
Chloroethane  
Chloroform  
Chloromethane  
Dibromochloromethane  
1,2-dibromoethane  
Dibromomethane  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
Dichlorodifluoromethane  
1,1-dichloroethane  
1,2-dichloroethane  
1,1-dichloroethene  
cis-1,2-dichloroethene  
trans-1,2-dichloroethene  
Dichloromethane  
1,2-dichloropropane  
2,2-dichloropropane  
Cis-1,3-dichloropropene  
Trans-1,3-dichloropropene  
Ethylbenzene  
2-Hexanone  
Methyl Isobutyl Ketone  
Styrene  
1,1,2,2-tetrachloroethane  
Tetrachloroethene  
Toluene  
1,1,1-trichloroethane  
1,1,2-trichloroethane  
Trichloroethene  
Trichlorofluoromethane

Vinyl chloride  
m & p-Xylene  
o-Xylene  
Total Xylenes

Q3: How will you evaluate / compare the financial proposals from different geographies? Shipping will be a significant cost to PWGSC on this contract, especially if the contract is awarded to a bidder on the other side of the country or in the United States. How will you fairly evaluate the combined financial impact of rates and shipping costs?

A3: Shipping is not included in the evaluation. As per Section E.1.3 Sample holding times, the Bidder must have labs located such that samples can be shipped to the lab using standard shipping methods from sites within BC and the Yukon, and be analyzed within the standard holding time.

Q4: The RFP makes several statements that contradict what is expected for routine or regular TAT (e.g., Sections E.1.4, A.1.4, A.6, and A 6.4). Can you clarify what TAT is required for regular turnaround on routine parameters, specialty services, etc?

A4. Change E.1.4 to say: Upon receipt of samples, the Bidder must be able to perform the services and provide a results report as per the Turn Around Times outlined in Section A.6 for 1 Day, 2 Day, 3 Day, 5 Day (Routine) and Legal Analysis.

The turnaround times are established in section A.6. 5 Day (Routine) is considered the regular turn around time.

Q5: Would you consider removing the requirement for all bidders to submit a full scope of accreditation with the proposal? Submission of full scope of accreditation could be requested of the top 2 or 3 bidders prior to award. This approach would certainly be in-line with your "Policy on Green Procurement", by removing the requirement for many bidders to each print hundreds of pages of scope.

A5: Bidders are not required to submit the full scope of accreditation with the proposal. Please note that as per Section 5 the Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications.

Q6: "why do you require lead by flame AA (Section B1.2.8)? As per our ISO 17025 and scope of accreditation, we can demonstrate proficiency using other methods (ICP/MS, etc.) for lead in paint, air, wipes, and TCLP bulk samples. Will you consider revising the requirement to allow analysis using ICP/MS?

A6: Remove "Lead by Flame AA" and replace with "Lead". Remove "Lead TCLP by Flame AA" and replace with "Lead". The Bidder is not restricted to Lead AA for this parameter. ICP/MS is acceptable.

Q7: Section B1.2.6 includes a dry cleaning compounds. Please provide a list of compounds to be included in this package.

A7: Dry cleaning compounds includes:

Carbon tetrachloride  
Chloroethane  
Chloroform  
1,1-Dichloroethane  
1,2-Dichloroethane  
1,1-Dichloroethylene  
cis-1,2-Dichloroethylene  
Trans-1,2-Dichloroethylene  
Methylene chloride (Dichloromethane)  
Tetrachloroethylene  
1,1,1-Trichloroethane  
Trichloroethylene  
Vinyl chloride  
Xylene (o,m,p)

Q8: Accreditation for Mobile Laboratory Services. In the previous RFP (2012), the question was asked by a bidder if the mobile laboratory had to be accredited (by CALA, SCC ...) and the response from PWGSC was *"The mobile lab will be used predominantly for field screening, and it is therefore not mandatory to have CALA/SCC for the mobile lab."*

I just wanted to confirm that this is still the case for the current RFP as it could be interpreted differently in Section A.2.2 below:

"All analyses must be performed following accredited methods as applicable including International Standards Organization (ISO), Canadian Association for Laboratory Accreditation (CALA), Standards Council of Canada (SCC) and ..."

A8: Accreditation is not required for mobile lab services.

Q9: There are other required analyses listed in the current RFP including a number of non-routine tests where CALA (or other) Accreditation would not be carried by any commercial analytical labs (at least in Canada, including specialty labs) due to the very low volume (or not ever required tests) such as:

1. Hexavalent Chromium in Tissue
2. Phenoxy Acid Herbicides in Tissue
3. Bisphenol A in Tissue
4. Organophosphorus Pesticides in Tissue
5. As well as the specific Bioassay tests listed in B.1.2.7

Please confirm if Accreditation is required for these tests, which would highly likely need to be subcontracted (if at all a method exists, it Cr6 in tissue) by all bidders for this Solicitation to an international lab if at all possible.

A9: Accreditation is not required for these parameters

Q10: Also related Accreditation. Note that the statement referenced above for Section A.2.2 "All analyses must be performed following accredited methods...." is different than the mandatory requirement listed in Annex E, Section E.1.1.1 below.

**E.1.1.1 CALA / SCC Certification and Scope of Accreditation:**

Bidders must hold environmental analysis accreditation by the Canadian Association for Laboratory Accreditation (CALA) for Environmental Analysis or Standards Council of Canada (SCC) Accredited Testing Laboratory (ISO / IEC 17025). ..... provided that the laboratory meets the detection limits to meet the regulations cited in Annex B.

A laboratory could hold CALA (or other) Accreditation for only simple tests (ie pH in water) which in theory would make them in compliance with this mandatory criteria. I suspect this is not the intent, so does PWGSC require the bidding laboratories to list out which tests they are accredited for and which, if any, would be subcontracted to an accredited laboratory (if applicable)?

A10: Section A.2.2 add to end of first sentence "for which accreditation is available." It is not a requirement of this RFTA to list the scope of accreditation for the bidder or subcontractors.

Q11: Please confirm that the test "MTDB" in Annex B, Section B 1.2.5 Hydrocarbons should in fact be MTBE.

A11: Correct, Section B.1.2.5 Hydrocarbons should say MTBE.

Q12: What is the expected start date for this contract?

A12: The estimated contract award date is October 1, 2016.

**At Annex A, Statement of Work**

**Delete:**

**A.2.2**

All analyses must be performed following accredited methods as applicable including International Standards Organization (ISO), Canadian Association for Laboratory Accreditation (CALA), Standards Council of Canada (SCC) and or United States Environmental Protection Agency (USEPA). All results must be provided in both electronic files formatted for database upload (EDD) and electronic format as pdf and excel tables.

The Contractor must maintain appropriate accreditations. If any accreditation is revoked the Contractor must advise the Project Authority immediately.

**Insert:**

All analyses must be performed following accredited methods as applicable including International Standards Organization (ISO), Canadian Association for Laboratory Accreditation (CALA), Standards Council of Canada (SCC) and or United States Environmental Protection Agency (USEPA) for which accreditation is available.

All results must be provided in both electronic files formatted for database upload (EDD) and electronic format as pdf and excel tables.

The Contractor must maintain appropriate accreditations. If any accreditation is revoked the Contractor must advise the Project Authority immediately.

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VAN588  
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## **At Annex B, Basis of Payment:**

**Delete:**

### **B.1.2.5 Hydrocarbons**

Parameter	Initial 3 Year Period		Option Year 1		Option Year 2	
	Water	Soil / Sediment	Water	Soil / Sediment	Water	Soil / Sediment
	Firm Unit Price	Firm Unit Price	Firm Unit Price	Firm Unit Price	Firm Unit Price	Firm Unit Price
BTEX, CCME						
BTEX/VPH (C6-C10) + Styrene, BC CSR						
EPH (C10-19), BC CSR						
EPH (C19-32), BC CSR						
F1						
F2 – F4						
F4						
LEPH / HEPH (CSR)						
MTDB						
Oil & Grease						
Polycyclic Aromatic Hydrocarbons (PAH)*						
Volatile Organic Compounds (VOC)						
VPH (CSR)						

\*Must include rate for routine PAH regulated through CSR and CCME guidelines

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**Insert:**

#### B.1.2.5 Hydrocarbons

Parameter	Initial 3 Year Period		Option Year 1		Option Year 2	
	Water	Soil / Sediment	Water	Soil / Sediment	Water	Soil / Sediment
	Firm Unit Price	Firm Unit Price	Firm Unit Price	Firm Unit Price	Firm Unit Price	Firm Unit Price
BTEX, CCME						
BTEX/VPH (C6-C10) + Styrene, BC CSR						
EPH (C10-19), BC CSR						
EPH (C19-32), BC CSR						
F1						
F2 – F4						
F4						
LEPH / HEPH (CSR)						
MTBE						
Oil & Grease						
Polycyclic Aromatic Hydrocarbons (PAH)*						
Volatile Organic Compounds (VOC)						
VPH (CSR)						

\*Must include rate for routine PAH regulated through CSR and CCME guidelines

**Delete:**

#### B.1.2.6 Soil Vapour Samples

Parameter	Initial 3 Year Period	Option Year 1	Option Year 2
	Air	Air	Air
	Firm Unit Price	Firm Unit Price	Firm Unit Price
BC CSR Schedule 11			
BTEX			
BTEX (with fractions)			
Drycleaning Compounds			
Polycyclic Aromatic Hydrocarbons (PAH)			
TVOC BCWLAP			
TVOC CCME			
TVOC BCWLAP + CCME			

**Insert:**

**B.1.2.6 Soil Vapour Samples**

	Initial 3 Year Period	Option Year 1	Option Year 2
	Air	Air	Air
Parameter	Firm Unit Price	Firm Unit Price	Firm Unit Price
BC CSR Schedule 11			
BTEX			
BTEX (with fractions)			
Drycleaning Compounds			
Polycyclic Aromatic Hydrocarbons (PAH)			
BC VOC			

**Delete:**

**B.1.2.8 Miscellaneous – Building Hazardous Materials**

	Initial 3 Year Period	Option Year 1	Option Year 2
	Various Media	Various Media	Various Media
Parameter	Firm Unit Price	Firm Unit Price	Firm Unit Price
Microbiology			
• Non-Culturable Air Sample			
○ Spore traps			
• Culturable Air Samples			
○ Identification and Enumeration of Culturable Fungi (genus level id)			
○ Identification and Enumeration of Culturable Fungi (includes speciation of penicillium, aspergillus, cladosporium and stachybotrys)			
• Surface Samples			
○ Identification of Fungal Structures via Direct Examination (tape lift, bulk, swab, wipe)			
Industrial Hygiene			
• Mercury (Hg) via OSHA 140/ NIOSH 6009			
Environmental Chemistry			
• Organics			
○ PCB's – bulk sample, caulking/ concrete/ paint chips/ oil via EPA SW 846 3540C/8082A			
Metals			
• Lead by Flame AA			



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	Initial 3 Year Period	Option Year 1	Option Year 2
Parameter	Various Media Firm Unit Price	Various Media Firm Unit Price	Various Media Firm Unit Price
○ Paint chips (SW-846-7000B)			
○ Air (NIOSH 7082)			
○ Wipes (SW-846-7000B)			
• Lead TCLP by Flame AA			
○ Bulk samples (SW846, 1311/7420)			
• Metals – air samples			
○ Individual elements by ICP/ICP-MS via 7300M/7303			
Other - Air			
• Respirable Silica (crystalline) – cristobalite, quartz, tridymite, tripoli			
• Respirable Dust			
• Total Dust			
Asbestos			
• PCM - Air			
○ NIOSH 7400			
• TEM – Air			
○ AHERA (40 CFR Part 763 Appx. A Subpart E)			
• PLM – Bulk Building Materials			
○ EPA/600/R-93/116 (calibrated visual estimate – to <1%)			
○ EPA/600/R-93/116 (reporting limit to <0.25%) (400 point count)			
• PLM – Bulk for Problem Matrices such as NOB's (Gravimetric Reduction Prep)			
○ PLM EPA NOB- EPA/600/R-93/116 (reporting limit as low as <0.25%)			
○ PLM EPA NOB- EPA/600/R-93/116 (reporting limit as low as <0.25%) 400 point count			
• Soil/ Rock/ Vermiculite Methods			

	Initial 3 Year Period	Option Year 1	Option Year 2
	Various Media	Various Media	Various Media
Parameter	Firm Unit Price	Firm Unit Price	Firm Unit Price
<ul style="list-style-type: none"> <li>TEM Qualitative via Filtration Prep technique</li> </ul>			
<ul style="list-style-type: none"> <li>Asbestos in Vermiculite (presence/absence)</li> </ul>			

**Insert:**

**B.1.2.8 Miscellaneous – Building Hazardous Materials**

	Initial 3 Year Period	Option Year 1	Option Year 2
	Various Media	Various Media	Various Media
Parameter	Firm Unit Price	Firm Unit Price	Firm Unit Price
Microbiology			
<ul style="list-style-type: none"> <li>Non-Culturable Air Sample</li> </ul>			
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Spore traps</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>Culturable Air Samples</li> </ul>			
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Identification and Enumeration of Culturable Fungi (genus level id)</li> <li>Identification and Enumeration of Culturable Fungi (includes speciation of penicillium, aspergillus, cladosporium and stachybotrys)</li> </ul> </li> </ul>			
<ul style="list-style-type: none"> <li>Surface Samples</li> </ul>			
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Identification of Fungal Structures via Direct Examination (tape lift, bulk, swab, wipe)</li> </ul> </li> </ul>			
Industrial Hygiene			
<ul style="list-style-type: none"> <li>Mercury (Hg) via OSHA 140/NIOSH 6009</li> </ul>			
Environmental Chemistry			
<ul style="list-style-type: none"> <li>Organics</li> </ul>			
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>PCB's – bulk sample, caulking/ concrete/ paint chips/ oil via EPA SW 846 3540C/8082A</li> </ul> </li> </ul>			
Metals			
<ul style="list-style-type: none"> <li>Lead</li> </ul>			
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Paint chips (SW-846-7000B)</li> <li>Air (NIOSH 7082)</li> </ul> </li> </ul>			

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	Initial 3 Year Period	Option Year 1	Option Year 2
	Various Media	Various Media	Various Media
Parameter	Firm Unit Price	Firm Unit Price	Firm Unit Price
○ Wipes (SW-846-7000B)			
• Lead			
○ Bulk samples (SW846, 1311/7420)			
• Metals – air samples			
○ Individual elements by ICP/ICP-MS via 7300M/7303			
Other - Air			
• Respirable Silica (crystalline) – cristobalite, quartz, tridymite, tripoli			
• Respirable Dust			
• Total Dust			
Asbestos			
• PCM - Air			
○ NIOSH 7400			
• TEM – Air			
○ AHERA (40 CFR Part 763 Appx. A Subpart E)			
• PLM – Bulk Building Materials			
○ EPA/600/R-93/116 (calibrated visual estimate – to <1%)			
○ EPA/600/R-93/116 (reporting limit to <0.25%) (400 point count)			
• PLM – Bulk for Problem Matrices such as NOB's (Gravimetric Reduction Prep)			
○ PLM EPA NOB- EPA/600/R-93/116 (reporting limit as low as <0.25%)			
○ PLM EPA NOB- EPA/600/R-93/116 (reporting limit as low as <0.25%) 400 point count			
• Soil/ Rock/ Vermiculite Methods			
○ TEM Qualitative via Filtration Prep technique			

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	Initial 3 Year Period	Option Year 1	Option Year 2
	Various Media	Various Media	Various Media
Parameter	Firm Unit Price	Firm Unit Price	Firm Unit Price
○ Asbestos in Vermiculite (presence/absence)			

**At Annex E, Evaluation Criteria and Basis of Selection:**

**Delete:**

**E.1. 4. Results Turnaround Time:**

Upon receipt of samples, the Bidder must be able to perform the services and provide a results report within 15 calendar days or as prescribed in the standard methods for Standard Holding Times. For analyses subject to Standard Holding Times, all results/data must be received within one (1) week from completion of the analyses.

Compliance with this Mandatory Evaluation Criterion:	Yes	No
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**Insert:**

**E.1. 4. Results Turnaround Time:**

Upon receipt of samples, the Bidder must be able to perform the services and provide a results report as per the Turn Around Times outlined in Section A.6 for 1 Day, 2 Day, 3 Day, 5 Day (Routine) and Legal Analysis. For analyses subject to Standard Holding Times, all results/data must be received within one (1) week from completion of the analyses.

Compliance with this Mandatory Evaluation Criterion:	Yes	No
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**ALL OTHER TERMS AND CONDITIONS OF THE RFP REMAIN UNCHANGED.**