



AMENDMENT TO SOLICITATION 5000040608

ANNEX C

MANDATORY TECHNICAL CRITERIA POINT RATED TECHNICAL CRITERIA

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PR5	<p>The Offeror should demonstrate extent of the use of surrogate spikes, as well as Certified Reference Materials (CRMs) and Standard Reference Materials (SRMs). Preference will be given for methodologies that use ¹³C or other stable isotope labelled surrogates to assess and ensure data quality. Identify all surrogates, CRMs and SRMs to be used for each analyte table in Annex D, Analyte Tables.</p> <p>The Offeror should demonstrate extent of the use of surrogate spikes as well as CRMs and SRMs by providing its methodology for each analyte table listed in Annex D.</p> <p>Use of Isotope dilution internal ¹³C - external spike; CRM-SRM; Method spikes; and lab spikes - 3 points/table; Use of CRM-SRM; Method spikes; and lab spikes - 1 point/table; Use of Method spikes; and lab spikes - 0.5 points/table No use of method spikes and lab spikes – 0 point</p>	54
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PR5	<p>The Offeror should describe target analyte quantification methods used and the basis of Quality Control samples used to assess and ensure data quality (eg. method blanks, method spikes, laboratory surrogates, CRMs). Preference will be given for methodologies that use ¹³C or other stable isotopically labelled compounds (deuterated etc.).</p> <p>Briefly describe the quantification method and use of matrix spikes/blanks, method spikes/blanks and/or other laboratory control samples - identify all surrogates, CRMs and SRMs to be used for each analyte table in Annex D, Analyte Tables.</p> <ul style="list-style-type: none"> - Use of matrix/method spikes and blanks or laboratory control samples and CRM/SRMs- 1 point/table; - Use of at least one isotopically labelled compound for quantification - 1 point/table; - Use of multiple isotopically labelled compounds for both quantification and method performance - 1 point/table; - No use of any of the above – 0 points 	54
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ANNEX D

ANALYTE TABLES

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Table 4. General Pesticides

(Note: separate Organochlorine Pesticides, Acid Herbicides, Glyphosate and Neonicotinoids categories follow)

List-specific requirements: pesticides reported must include Chlorpyrifos, Diazinon and Malathion

*Desired RL Range: Water ≤10 ng/L; Sediment ≤10 ng/g
Acceptable RL Range: Water ≤20 ng/L; Sediment ≤20 ng/g*

Matrix	Water	Soil/Sediment	Biota/Tissue	Resin (e.g. XAD-2)	Passive Sampler
Basis Sample Size	1L	10g (dry)	<i>Mass, Wet</i>	<i>Volume</i>	(e.g. SPMD)
Units	<i>Unit</i>	<i>Unit</i>	<i>Unit</i>	<i>Unit</i>	<i>Unit</i>
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>

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Table 4. General Pesticides

(Note: separate Organochlorine Pesticides, Acid Herbicides, Glyphosate and Neonicotinoids categories follow)

List-specific requirements: pesticide groups reported must include organophosphate (OP) pesticides, organonitrogen (ON) pesticides, and triazine pesticides. Pesticides reported must include Chlorpyrifos, Diazinon and Malathion.

*Desired RL Range: Water ≤10 ng/L; Sediment ≤10 ng/g
Acceptable RL Range: Water ≤20 ng/L; Sediment ≤20 ng/g*

Matrix	Water	Soil/Sediment	Biota/Tissue	Resin (e.g. XAD-2)	Passive Sampler
Basis Sample Size	1L	10g (dry)	<i>Mass, Wet</i>	<i>Volume</i>	(e.g. SPMD)
Units	<i>Unit</i>	<i>Unit</i>	<i>Unit</i>	<i>Unit</i>	<i>Unit</i>
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>



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Table 10. Organochlorine Pesticides

List-specific requirements: analytes reported must include DDT and degradates, HCH isomers, Aldrin, Chlordane, Dieldrin, Endrin, Heptachlor, Hexachlorobenzene, and Mirex

*Desired RL Range: Water ≤1 ng/L; Sediment ≤1 ng/g
Acceptable RL Range: Water ≤2 ng/L; Sediment ≤2 ng/g*

Matrix	Water	Soil/Sediment	Biota/Tissue	Resin (e.g. XAD-2)	Passive Sampler
Basis Sample Size	1L	10g (dry)	Mass, Wet	Volume	(e.g. SPMD)
Units	Unit	Unit	Unit	Unit	Unit
Analyte	RL	RL	RL	RL	RL
Analyte	RL	RL	RL	RL	RL

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Table 10. Organochlorine Pesticides

List-specific requirements: analytes reported must include DDT and degradates, HCH isomers, Aldrin, Chlordane, Dieldrin, Endrin, Heptachlor, Hexachlorobenzene, Mirex and Toxaphene (technical)

*Desired RL Range: Water ≤1 ng/L; Sediment ≤1 ng/g
Acceptable RL Range: Water ≤2 ng/L; Sediment ≤2 ng/g*

Matrix	Water	Soil/Sediment	Biota/Tissue	Resin (e.g. XAD-2)	Passive Sampler
Basis Sample Size	1L	10g (dry)	Mass, Wet	Volume	(e.g. SPMD)
Units	Unit	Unit	Unit	Unit	Unit
Analyte	RL	RL	RL	RL	RL
Analyte	RL	RL	RL	RL	RL



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Table 18. Toxaphene

List-specific requirements: None

Desired RL Range: Water ≤ 5 ng/L; Sediment ≤5 ng/g
Acceptable RL Range: Water ≤10 ng/L; Sediment ≤10 ng/g

Matrix	Water	Soil/Sediment	Biota/Tissue	Resin (e.g. XAD-2)	Passive Sampler
Basis Sample Size	1L	10g (dry)	Mass, Wet	Volume	(e.g. SPMD)
Units	Unit	Unit	Unit	Unit	Unit
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>

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Table 18. Toxaphene – Parlars and Chlorobornanes

List-specific requirements: None

Desired RL Range: Water ≤ 5 ng/L; Sediment ≤5 ng/g
Acceptable RL Range: Water ≤10 ng/L; Sediment ≤10 ng/g

Matrix	Water	Soil/Sediment	Biota/Tissue	Resin (e.g. XAD-2)	Passive Sampler
Basis Sample Size	1L	10g (dry)	Mass, Wet	Volume	(e.g. SPMD)
Units	Unit	Unit	Unit	Unit	Unit
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>
<i>Analyte</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>	<i>RL</i>