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23 September 2015

Subject: Call for expression of interest

Questions and answers 11-18/09/2015

Question 1: The annex 4 of the call says that IRMM is the JRC coordinator for this subject, and should be contacted to request kits of silica cartridges, but we can't find any part number nor reference for these cartridges. All we know is their length (35 mm) and diameter (20 mm).

Could you please tell us how to order these cartridges, what is their price, how much is postage and packing, what is the delivery time?

Answer: This is to let you know that the eight cartridges will be supplied free of charge to all applicants. It is very important that the final experiments are performed on the cartridges supplied by JRC. The actual experiment requires four cartridges so you have a spare set of another four should something go wrong. The point is that all applicants use cartridges from the same batch for the initial screening experiment and report the data using the supplied reporting sheet.

However any method development or pre-testing can be done on other cartridges of a similar type.

The cartridge type that can be used for tests is Silica SPE, 25 ml volume / 5000 mg bed, HyperSep Thermo Scientific *or similar*.

Please provide full address details, contact person, email and telephone number and we will ship the eight cartridges as soon as they arrive at our premises.

We currently estimate that shipment would be possible at the beginning of October and I apologize for any inconvenience caused by this small delay.

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Question 2: Only 8 cartridges will be sent to each applicant? There will be no possibility to get more than 8? My last question is about the solubility test. As far

as I understand, I will have to bring a marked fuel to -40°C (resp. +60°C) (how much time will I have to let the samples at this temperature ?) then filter half of the sample at 0,45  $\mu$ m, then analyse both filtered and non-filtered fuels and check that there is less than 5% difference. Am I right? Is it important to perform this test in both gasoil and kerosene?

<u>Answer:</u> Yes you will receive eight cartridges to perform the *final tests* and report the results as described in the call. As I suggested yesterday pre-tests and method development can be done on separate cartridges

The solubility test described below makes sense. In this case I propose you limit yourself to a gasoil that fulfils EN590 for diesel and just heat to  $60\,^{\circ}$ C and cool to -40  $^{\circ}$ C and filter the samples immediately and measure.

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Question 3: Do you agree that the P/N 60108-711 is suitable?

Answer: Yes, this cartridge is suitable

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