

The IAEA-CU-2008-02 Proficiency test on the determination of radionuclides in air filters

Reporting Form (F-01)

Please include name and address of responsible analyst (if other than given or wrong).

Responsible Analyst:

Name and Title:
Laboratory / Division:
Organisation / Institute:
Street / Number:
City / Postal Code:
Country:
Tel.:
Fax:
E-mail:

Signature:
Date:
Collaborators:

Please send back to:

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For IAEA use only!

Customer Number

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Results and Uncertainties Reporting Form (F-02)

LAB-CODE:

BLANK AIR FILTER NUMBER.....

Nuclide	Unit	Your Estimates		Date of measurement (yyyy-mm-dd)
		Average Value (Bq/filter)	Total standard uncertainty* Bq/filter)	
⁵⁷ Co	Bq/filter			
⁶⁰ Co	Bq/filter			
¹³⁴ Cs	Bq/filter			
¹³⁷ Cs	Bq/filter			
⁵⁴ Mn	Bq/filter			
Gross α	Bq/filter			
Gross β	Bq/filter			

* Standard uncertainty of individual determination expressed in (Bq/filter) (see uncertainty quantification sheet)

** Detection limit should be reported in the same units as the results (Bq/filter)

*** **All data should decay correct to 1st May, 2008.**

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Results and Uncertainties Reporting Form (F-02)

LAB-CODE: **SAMPLE AIR FILTER NUMBER.....**

Nuclide	Unit	Your Estimates		Date of measurement (yyyy-mm-dd)
		Average Value (Bq/filter)	Total standard uncertainty* Bq/filter	
⁵⁷ Co	Bq/filter			
⁶⁰ Co	Bq/filter			
¹³⁴ Cs	Bq/filter			
¹³⁷ Cs	Bq/filter			
⁵⁴ Mn	Bq/filter			
Gross α	Bq/filter			
Gross β	Bq/filter			

* Standard uncertainty of individual determination expressed in (Bq/filter) (see uncertainty quantification sheet) **at 1σ level.**

** Detection limit should be reported in the same units as results (Bq/filter)

*** **All data should decay correct to 1st May, 2008.**

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Name of analyst(s):, *Laboratory name:*.....

Method and Quality Control Procedure Description Form (F-04)

1. DESCRIPTION OF SAMPLE PREPARATION AND DIGESTION METHOD (if applicable)

Describe how the sample was prepared and presented to the apparatus (digestion method).

2. DESCRIPTION OF MEASUREMENT TECHNIQUE AND CALIBRATION METHOD

Describe the efficiency and energy calibration procedure, what sources were used.

3. DESCRIPTION OF QUALITY CONTROL PROCEDURE

Use of blank, CRM, Control samples, duplicate, replicate, spike sample and control charts. Kindly report quality control data