

IUPAC Project Progress Report

Date: 11/11/2008

Task Group Leader: Maria Belli

Project number: 2005-035-2-500

Project Title: Trace elements analysis: Role of particle size distribution in solid reference material

Report:

1. *Current status of project:* the contents of the final technical report were defined in a meeting in Seibersdorf in the last September. The proposed title of the report is: "Guidelines on the selection and use of environmental reference material in respect to particle size and related commutability". The table of contents of the report is as follows:

Introduction (M. Belli)

Scientific background

Scope and field of application (M. Belli)

In this chapter will be reported the applicability of the guideline and its limitations

Terminology and general aspect (A. Fajgelj)

Commutability of reference materials (M. Belli, A. Fajgelj, U. Sansone)

In this chapter the concept of commutability of reference materials will be explored. The applicability of this concept to environmental matrix reference materials will be investigated and the results of the experimental activities will be reported.

Methods for test samples preparation for trace element (including radionuclides) measurements (A. Sahuquillo -soil and sediment- P. de Zorzi -waste-)

In this chapter will be reported a review of the existing procedures (international standards and literature) to prepare test samples from laboratory samples for trace elements measurements in environmental samples. The need of reference materials with specific characteristics will be investigated.

Methods for test samples preparation for organic compound measurements (P. de Zorzi, M. Belli)

In this chapter will be reported a review of the existing procedures (international standards and literature) to prepare test samples from laboratory samples for organic compound measurements in environmental samples. The need of reference materials with specific characteristics will be investigated.

Particle size of available (C)RM (Z. Mester)

MR for trace element measurements including radionuclides

MR for organic compound measurements

Discussions and recommendations (all)

References (A. Fajgelj)

2. *Progress relative to 'milestones':* Definition of the table of contents of the final report.

3. Difficulties encountered (or concerns):

4. Projected completion date (documents ready for external review): The new timetable of the project is:

Activity	September- January 2009	January - June 2009	July – December 2009
First draft of the guideline (without the results of the experimental activities)			
Experimental activities			
Preparation of the final version of the guideline			

5. Please list all of the intended outputs and the dissemination plan for this project (viz. articles, CD, conference presentations; etc.). These may have been expanded since project approval:

6. If your project is within 6 months of completion, how do you plan to utilise any remaining budget for this project?

7. Work on this project may have identified new problems, issues, challenges, emerging topics, opportunities for related projects, etc. Please indicate these here so that the Division can follow up on them: