Radioactivity monitoring in foodstuff and drinking water - An overview of performance of EU laboratories based on interlaboratory comparisons

Abstract:
A compilation of the reported results of food and drinking water related interlaboratory comparisons conducted by the Joint Research Centre Institute for Reference Materials and Measurements is presented in this paper. The overview of methods used by the participants, overall performance as well as the evaluation of individual laboratories is elaborated. The results show that the quality of input data into Radionuclide Environmental Monitoring database (REMdb) of the European Commission is acceptable but in some cases improvement is necessary. Harmonisation of the results obtained by different laboratories involved in REMdb and other European Union monitoring networks is worth the effort.

URI:

Authors:
SOBIECH-MATURA Katarzyna
MATE Borbala
ALTZITZOGLOU Timotheos

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