

Study on Determination of Th in Biological Sample by INAA and RNAA

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Abstract

For Th determination (ppb or sub-ppb level) in environmental and biological sample, RNAA is known as a effective method. As a preliminary study for applying this method to real sample analysis, we determined radiochemical yield through overall separation procedure for the standard solution and NIST SRM samples. The chemical yield of standard solution and SRM are 85.9% and 87.4%, respectively and standard deviation is less than 5%. It is turned out that background effect is remarkably decreased from comparison of interfering activity between INAA and RNAA