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## **Development of Analysis of Uranium Isotopes in Environmental Samples**

Myung Ho Lee, Hyun Sang Shin, Mi Kyung Kim, Gun Sik Choi, Kwang Hee Hong,  
Yung Hyun Cho, Chang Woo Lee,

Korea Atomic Energy Research Institute

### **ABSTRACT**

Using TBP extraction and anion exchange step, a precise and quantitative technique of uranium isotopes determination was developed. For overcoming the demerits of the conventional TBP extraction method, sample materials was decomposed with  $\text{HNO}_3$  and HF and uranium isotopes were purified by TBP extraction and ion exchange step. Using the modified method step, the concentrations of uranium isotopes in the IAEA-Reference sample were so consistent with reference values reported by IAEA. The concentrations and activity ratios of uranium isotopes at the different sample were similar to those in the natural conditions.