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## **Determination of Uranium Isotopes in the Ground Water**

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### **Abstract**

The concentrations and activity ratios of uranium isotopes were determined in the ground water taken from 29 sites in Chungnam area. The concentrations of uranium isotopes at the different sampling points were variable, ranging between 0.8 to 70.1 ppb. The concentrations of uranium isotopes in the ground water at the Yusong area were higher than those at other regions. The activity ratio of  $^{234}\text{U}/^{238}\text{U}$  in the ground water was not unit, ranging between 1.0 to 3.3. The Yusong area samples showed lower  $^{234}\text{U}/^{238}\text{U}$  activity ratios than the other region samples