

Estimation of excess air component in groundwater by using dissolved Argon concentration

*Kazumi Asai¹, Kazuyoshi Asai¹

1. Chikyukagakukenkyusho inc

Estimation of excess air component in groundwater sample is vital for precise groundwater dating using SF₆. In this study, dissolved argon concentration was used for the estimation. We will report distribution of the excess air content in groundwater samples in central Japan, and discuss the impact for the SF₆ dating.

Keywords: excess air, dissolved argon, groundwater, SF₆ dating, Central Japan