

Estimation of Excess Air in groundwater using dissolved Nitrogen and Argon

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To evaluate distribution of the excess air is vital for groundwater dating using SF₆. For the estimation of excess air value, we used dissolved Nitrogen and Argon data. Water samples were collected from 49 springs and 22 wells in the Chubu region. We will present estimated excess air values and discuss its impact for SF₆ groundwater age.

Keywords: Excess air, groundwater, Nitrogen, Argon, SF₆ age