

Effects of circular pumping method on groundwater observation

Fumiaki Tsunomori[1]; George Igarashi[2]; Kenji Notsu[3]

[1] Lab. Earthquake Chem., Univ. Tokyo; [2] Lab. for Earthq. Chem. Univ. of Tokyo; [3] Lab. Earthquake Chem., Univ. Tokyo

Gas composition dissolved in groundwater has been monitoring using the coaxial piping type circulation pumping-up-water method. This method was devised in order to observe dissolved gas in groundwater simultaneously with water level change and discharge rate. We will report effects of pumping on groundwater level, aquifer temperature, and gas composition at Omaezaki 500m-well.