

Hydrochemical study of deep groundwater at Underground Research Laboratory(URL).

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This paper aims to report the current status of colloidal study at the Mizunami Underground Research Laboratory (MIU). In this study, groundwater samples were taken by ultra filtration (200,000MW, 50,000MW, 10,000MW). Trace elements in these filtered groundwaters and original groundwater were analyzed. As the result, concentration of some elements are changed depend on the filter size. This result suggests that specific elements show different characteristics of sorption/adsorption to colloid.