

# Japan Geoscience Union Meeting 2011

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AHW025-07

Room:202

Time:May 22 15:45-16:00

## Hydrochemistory of non-volcanic springs, Yamanashi Prefecture, Japan

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Hot springs have great significance as local promotion and so on.

In this study, 29 samples of water from twenty four wells, four springs, and from a river were collected to analyze major chemical components and isotopic compositions of oxygen, hydrogen, sulfur to discuss recharge mechanisms, Water-rock interaction processes to make chemical properties of the fluids and flow system of deep fluids. Precipitation at altitude of 330 to 2360m were also collected to calculate the altitude effect of delta <sup>18</sup>O and delta D. Respectively, the effect was -0.41per mill/100m and -3.7per mill/100m.