

Chemical characteristics of soot samples collected in Mt.Gassan and Mt.Chohkai

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Abstract

Composition and chemical characteristics of soot samples were analyzed with XRF ,PIXE and CN-corder methods, these samples were collected in Mt.Hakkoda, Mt.Iwaki, Mt.Gassan and Mt.Chokai. Soot samples were compared in chemical composition to yellow-sand “kohsa” and surface soil. Br/Cl ratio in samples is 0.02~0.1 weight/weight, that is higher than 0.0034 in sea salt, suggesting the contribution of fossil fuel to soot samples. The specific gravity of the samples were also measured and discussed.