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AHW26-P01

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Atmospheric SF6 mixing ratios around the Japanese archipelago

Kazuyoshi Asai^{1*}, Katsuro Mogi², Maki Tsujimura³, Kazumi Asai¹

¹Geo Science Laboratory. Inc, ²University of Tokyo, ³University of Tsukuba

Sulfur hexafluoride (SF6) is a promising transient tracer for young groundwater dating, but elevated levels of atmospheric SF6 may limit application of this dating method in urban areas. To determine the magnitude of this limitation within Japan, we measured the atmospheric SF6 mixing ratios around Nagoya, Osaka and Tokyo.

Keywords: Sulfur hexafluoride, Atmosphere, Japan, Urban aea, Groudwater age