

Study on sulfur isotopic composition of acid rain in Fuzhou City, China

F. XIA¹, J-Y. PAN¹, S-H CHEN¹, H-M PENG¹ AND P. LIU¹

¹State Key Laboratory Breeding Base of Nuclear Resources and Environmental, East China Institute of Technology, Nanchang 330013, China (xf730@163.com)

The acid rain is sulfuric acid type acid rain in Jiangxi province Fuzhou City, its sulfur isotopic composition are different from that of other Cities.

We analyzed the sulfur isotopic composition of rain water from Fuzhou City in this paper (**Fig 1**). The results indicated that the sulfur isotopic composition possesses a seasonal variation trend, isotopically heavier in spring and summer, lighter in autumn and winter. The sources of sulfur in rain water include bio-organic sulfur, anthropogenic sulfur and sulfur from the sea. In spring and summer, the sulfur in rain water comes mainly from anthropogenic sulfur. In autumn and winter, the sulfur in rain water dominantly originates from bio-organic sulfur. The sulfur in rain water from the sea may be very small in percentage.

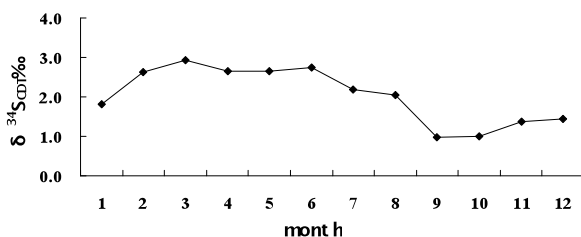


Fig. 1. Seasonal variations in sulfur isotopic composition of the precipitation

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