

J244-009

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Bamboo water sampler for trace analysis of organic and inorganic pollutants in environmental water

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Bamboo water sampler is proposed for collecting environmental water for trace analysis of pollutants. The Bamboo (*Phyllostachys heterophylla*) shoot as an unpolluted natural material was confirmed for 27 elements and 22 organic pollutants by ICP-AES, ICP-MS and GC-MS after 24hr extraction tests using purified and Volvic water together with field test using natural river water.