

Heavy mineral composition and geochemistry of tuffs intervened in the Upper Permian in South China

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To elucidate the cause of the mass extinction and global environmental change around the P-T boundary. , we analyzed heavy mineral composition and geochemistry of tuffs intercalated in the the Upper Permian in South

China. We collected twenty samples from 21 samples of the late Permian tuffs. We separated heavy minerals such as zircon for geochemical analyses. REE pattern of zircon measured by ICP-MS shows moderate enrichment of LREE and depletion in HREE, suggesting an acidic (probably alkalic) volcanic source.