

Trace element composition of clinopyroxene phenocrysts in the Alley volcanics of the Oman ophiolite

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Trace element compositions of relict clinopyroxene phenocrysts isolated from the Alley volcanics of the Oman ophiolite are determined. Melt compositions equilibrated with these clinopyroxenes are calculated based on clinopyroxene/melt distribution coefficients. This approach is effective in elucidating the origin of the volcanic rocks of the Oman ophiolite, which generally suffer from extensive hydrothermal alteration.