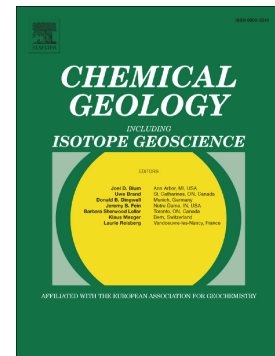


Accepted Manuscript

Improving paleohydrological and diagenetic reconstructions in calcite veins and breccia of a sedimentary basin by combining $\Delta 47$ temperature, $\delta 18\text{O}$ water and U-Pb age

Maurice Pagel, Magali Bonifacie, David A. Schneider, Cécile Gautheron, Benjamin Brigaud, Damien Calmels, Alexandre Cros, Bertrand Saint-Bezar, Philippe Landrein, Chelsea Sutcliffe, Donald Davis, Carine Chaduteau



PII: S0009-2541(17)30707-6
DOI: <https://doi.org/10.1016/j.chemgeo.2017.12.026>
Reference: CHEMGE 18597
To appear in: *Chemical Geology*
Received date: 26 June 2017
Revised date: 11 December 2017
Accepted date: 22 December 2017

Please cite this article as: Maurice Pagel, Magali Bonifacie, David A. Schneider, Cécile Gautheron, Benjamin Brigaud, Damien Calmels, Alexandre Cros, Bertrand Saint-Bezar, Philippe Landrein, Chelsea Sutcliffe, Donald Davis, Carine Chaduteau, Improving paleohydrological and diagenetic reconstructions in calcite veins and breccia of a sedimentary basin by combining $\Delta 47$ temperature, $\delta 18\text{O}$ water and U-Pb age. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Chemge(2017), <https://doi.org/10.1016/j.chemgeo.2017.12.026>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Improving paleohydrological and diagenetic reconstructions in calcite veins and breccia
of a sedimentary basin by combining Δ_{47} temperature, $\delta^{18}\text{O}_{\text{water}}$ and U-Pb age**

Maurice Pagel^{1*}, Magali Bonifacie², David A Schneider³, Cécile Gautheron¹, Benjamin Brigaud¹, Damien Calmels^{1,2}, Alexandre Cros¹, Bertrand Saint-Bezar¹, Philippe Landrein⁴, Chelsea Sutcliffe⁵, Donald Davis⁵, Carine Chaduteau²

¹GEOPS, Univ Paris Sud, CNRS, Université Paris-Saclay, Rue du Belvédère, Bât. 504, Orsay, F-91405, France

²Institut de Physique du Globe de Paris, Sorbonne Paris Cité, Université Paris-Diderot, UMR 7154 CNRS, F-75005 Paris, France

³Earth and Environmental Sciences, University of Ottawa, Ottawa K1N 6N5 Canada

⁴Andra, Route Départementale 960, 55290 Bure, France

⁵Earth Sciences, University of Toronto, Toronto, M5S 3B1 Canada

* corresponding author: maurice.pagel@u-psud.fr

maurice.pagel@u-psud.fr; Tel.: +33 1 69 15 67 55 ; fax: +33 1 69 15 49 11

Keywords: calcite, clumped isotope, temperature, oxygen isotopes, U-Pb dating, diagenesis

Download English Version:

<https://daneshyari.com/en/article/8910327>

Download Persian Version:

<https://daneshyari.com/article/8910327>

[Daneshyari.com](https://daneshyari.com)