

Accepted Manuscript

Review

Methane Clumped Isotopes: Progress and Potential for a New Isotopic Tracer

Peter M.J. Douglas, Daniel A. Stolper, John M. Eiler, Alex L. Sessions, Michael Lawson, Yanhua Shuai, Andrew Bishop, Olaf G. Podlaha, Alexandre A. Ferreira, Eugenio V. Santos Neto, Martin Niemann, Arne S. Steen, Ling Huang, Laura Chimiak, David L. Valentine, Jens Fiebig, Andrew J. Luhmann, William E. Seyfried Jr., Giuseppe Etiope, Martin Schoell, William P. Inskeep, James J. Moran, Nami Kitchen

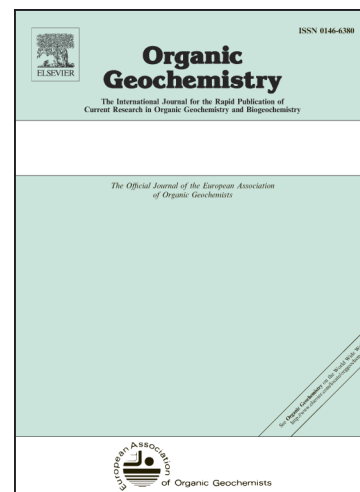
PII: S0146-6380(17)30347-9
DOI: <http://dx.doi.org/10.1016/j.orggeochem.2017.07.016>
Reference: OG 3592

To appear in: *Organic Geochemistry*

Received Date: 26 June 2017
Revised Date: 11 July 2017
Accepted Date: 22 July 2017

Please cite this article as: Douglas, P.M.J., Stolper, D.A., Eiler, J.M., Sessions, A.L., Lawson, M., Shuai, Y., Bishop, A., Podlaha, O.G., Ferreira, A.A., Santos Neto, E.V., Niemann, M., Steen, A.S., Huang, L., Chimiak, L., Valentine, D.L., Fiebig, J., Luhmann, A.J., Seyfried, W.E. Jr., Etiope, G., Schoell, M., Inskeep, W.P., Moran, J.J., Kitchen, N., Methane Clumped Isotopes: Progress and Potential for a New Isotopic Tracer, *Organic Geochemistry* (2017), doi: <http://dx.doi.org/10.1016/j.orggeochem.2017.07.016>

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.



Methane Clumped Isotopes: Progress and Potential for a New Isotopic Tracer

Peter M.J. Douglas^{1,2}, Daniel A. Stolper^{1,3}, John M. Eiler¹, Alex L. Sessions¹, Michael Lawson⁴, Yanhua Shuai^{1,5}, Andrew Bishop⁶, Olaf G. Podlaha⁷, Alexandre A. Ferreira⁸, Eugenio V. Santos Neto⁸, Martin Niemann⁹, Arne S. Steen¹⁰, Ling Huang⁵, Laura Chimiak¹, David L. Valentine¹¹, Jens Fiebig¹², Andrew J. Luhmann¹³, William E. Seyfried Jr.¹⁴, Giuseppe Etiope^{15,16}, Martin Schoell¹⁷, William P. Inskeep¹⁸, James J. Moran¹⁹, Nami Kitchen¹

Affiliations:

1- California Institute of Technology, Geological and Planetary Sciences, Pasadena, CA, USA, 91125

2- McGill University, Earth and Planetary Sciences, Montreal, QC, Canada, H3A 0E8

3- University of California-Berkeley, Earth and Planetary Sciences, Berkeley, CA, USA, 94709

4- Exxon Mobil Upstream Research Company, Spring, TX, USA 77389

5- Key Laboratory of Petroleum Geochemistry, Research Institute of Petroleum Exploration and Development, PetroChina, Beijing, China

6- University of California-Riverside, Department of Earth Sciences, Riverside, CA, USA 92521

7- Shell Global Solutions International B.V., Grasweg 2, 1031HW Amsterdam, The Netherlands

8- Division of Geochemistry, PETROBRAS Research and Development Center (CENPES), PETROBRAS, Rua Horácio Macedo, Ilha do Fundão, Rio de Janeiro, RJ 21941-915, Brazil

9-Statoil ASA, Martin Linges Vei 33, Fornebu, Norway

Download English Version:

<https://daneshyari.com/en/article/7817125>

Download Persian Version:

<https://daneshyari.com/article/7817125>

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