Accepted Manuscript

Distributions of 5- and 6-methyl branched glycerol dialkyl glycerol tetraethers (brGDGTs) in East African lake sediment: Effects of temperature, pH, and new lacustrine paleotemperature calibrations

James M. Russell, Ellen C. Hopmans, Shannon E. Loomis, Jie Liang, Jaap S. Sinninghe Damsté

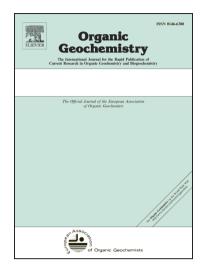
PII: S0146-6380(17)30439-4

DOI: https://doi.org/10.1016/j.orggeochem.2017.12.003

Reference: OG 3657

To appear in: Organic Geochemistry

Received Date: 14 November 2017 Revised Date: 9 December 2017 Accepted Date: 11 December 2017



Please cite this article as: Russell, J.M., Hopmans, E.C., Loomis, S.E., Liang, J., Sinninghe Damsté, J.S., Distributions of 5- and 6-methyl branched glycerol dialkyl glycerol tetraethers (brGDGTs) in East African lake sediment: Effects of temperature, pH, and new lacustrine paleotemperature calibrations, *Organic Geochemistry* (2017), doi: https://doi.org/10.1016/j.orggeochem.2017.12.003

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.

CCEPTED MANUSCRIPT

Distributions of 5- and 6-methyl branched glycerol dialkyl glycerol tetraethers (brGDGTs) in

East African lake sediment: Effects of temperature, pH, and new lacustrine paleotemperature

calibrations

James M. Russell ^{a*}, Ellen C. Hopmans ^b, Shannon E. Loomis ^{a,c}, Jie Liang ^a, Jaap S. Sinninghe

Damsté b,d*

^a Brown University, Department of Earth, Environmental, and Planetary Sciences, 324 Brook St.,

Box 1846, Providence, RI 02912, USA

^bNIOZ Royal Netherlands Institute for Sea Research, Department of Marine Microbiology and

Biogeochemistry, and Utrecht University, PO Box 59, 1790 AB Den Burg, Texel,

Netherlands

^c University of Texas at Austin, Jackson School of Geosciences, 1 University Station, Stop C1160,

Austin, TX 78712, USA

^d University of Utrecht, Faculty of Geosciences, P.O. Box 80.021, 3508 TA Utrecht, Netherlands

*Corresponding authors

Tel: +1-401-863-6330

Email address: James_Russell@Brown.edu

Tel: +31-222-369550

Email address: Jaap.Damste@nioz.nl

1

Download English Version:

https://daneshyari.com/en/article/7817045

Download Persian Version:

https://daneshyari.com/article/7817045

Daneshyari.com