

## Accepted Manuscript

Distributions of bacterial and archaeal membrane lipids in surface sediments reflect differences in input and loss of terrestrial organic carbon along a cross-shelf Arctic transect

Ayça Doğrul Selver, Robert B. Sparkes, Juliane Bischoff, Helen M. Talbot, Örjan Gustafsson, Igor P. Semiletov, Oleg V. Dudarev, Stephen Boulton, Bart E. van Dongen

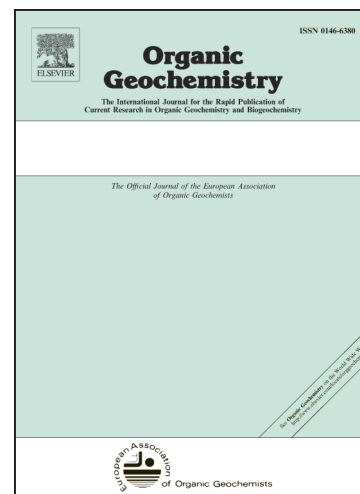
PII: S0146-6380(15)00017-0  
DOI: <http://dx.doi.org/10.1016/j.orggeochem.2015.01.005>  
Reference: OG 3226

To appear in: *Organic Geochemistry*

Received Date: 14 August 2014  
Revised Date: 13 November 2014  
Accepted Date: 6 January 2015

Please cite this article as: Selver, A.D., Sparkes, R.B., Bischoff, J., Talbot, H.M., Gustafsson, Ö., Semiletov, I.P., Dudarev, O.V., Boulton, S., van Dongen, B.E., Distributions of bacterial and archaeal membrane lipids in surface sediments reflect differences in input and loss of terrestrial organic carbon along a cross-shelf Arctic transect, *Organic Geochemistry* (2015), doi: <http://dx.doi.org/10.1016/j.orggeochem.2015.01.005>

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.



Distributions of bacterial and archaeal membrane lipids in surface sediments reflect differences in input and loss of terrestrial organic carbon along a cross-shelf Arctic transect.

Ayça Doğrul Selver<sup>a</sup>, Robert B. Sparkes<sup>a</sup>, Juliane Bischoff<sup>b</sup>, Helen M. Talbot<sup>b</sup>, Örjan Gustafsson<sup>c</sup>, Igor P. Semiletov<sup>d,e,f</sup>, Oleg V. Dudarev<sup>e,f</sup>, Stephen Boulton<sup>a</sup>, Bart E. van Dongen<sup>a,\*</sup>

<sup>a</sup> *School of Earth, Atmospheric and Environmental Sciences and Williamson Research Center, University of Manchester, Oxford Road, Manchester, M13 9PL, UK*

<sup>b</sup> *School of Civil Engineering and Geosciences, Newcastle University, Newcastle upon Tyne, NE1 7RU, UK*

<sup>c</sup> *Department of Applied Environmental Science (ITM) and the Bert Bolin Centre for Climate Research Stockholm University, Sweden*

<sup>d</sup> *Tomsk Polytechnic University, 634050, Russia, Tomsk, Lenin Avenue, 30*

<sup>e</sup> *International Arctic Research Center, University of Alaska, Fairbanks, AK 99775-7340*

<sup>f</sup> *Pacific Oceanological Institute Far Eastern Branch of the Russian Academy of Sciences, Vladivostok 690041, Russia*

\* Corresponding author: *E-mail address: [Bart.vandongen@manchester.ac.uk](mailto:Bart.vandongen@manchester.ac.uk) B.E. van Dongen).*

Download English Version:

<https://daneshyari.com/en/article/5161619>

Download Persian Version:

<https://daneshyari.com/article/5161619>

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