

Author's Accepted Manuscript

Electromembrane extraction of salivary polyamines followed by capillary zone electrophoresis with capacitively coupled contactless conductivity detection

Yan Liu, Xiaoli Zhang, Lin Guo, Yang Zhang, Zhuo Li, Ziyao Wang, Mengfei Huang, Chen Yang, Jiannong Ye, Qingcui Chu



PII: S0039-9140(14)00357-9
DOI: <http://dx.doi.org/10.1016/j.talanta.2014.04.079>
Reference: TAL14751

To appear in: *Talanta*

Received date: 15 January 2014
Revised date: 22 April 2014
Accepted date: 29 April 2014

Cite this article as: Yan Liu, Xiaoli Zhang, Lin Guo, Yang Zhang, Zhuo Li, Ziyao Wang, Mengfei Huang, Chen Yang, Jiannong Ye, Qingcui Chu, Electromembrane extraction of salivary polyamines followed by capillary zone electrophoresis with capacitively coupled contactless conductivity detection, *Talanta*, <http://dx.doi.org/10.1016/j.talanta.2014.04.079>

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 galley proof before it is published in its final citable 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.

Electromembrane extraction of salivary polyamines followed by capillary
zone electrophoresis with capacitively coupled
contactless conductivity detection

Yan Liu, Xiaoli Zhang, Lin Guo, Yang Zhang, Zhuo Li, Ziyao Wang, Mengfei Huang,
Chen Yang, Jiannong Ye, Qingcui Chu *

Department of Chemistry, East China Normal University, Shanghai 200241, China

Abbreviations: C^dD, capacitively coupled contactless conductivity detection; EME, electromembrane extraction; ENB, 1-ethyl-2-nitrobenzene; NPOE, 2-Nitrophenyl octylether; DEHP, bis (2-ethylhexyl) phosphate; SLM, supported liquid membrane; Spd, spermidine; Spm, spermine; Cad, cadaverine; Put, putrescine.

*Corresponding author. Tel./Fax: +86 21 5434 0048.

E-mail address: qcchu@chem.ecnu.edu.cn (Q. Chu).

Download English Version:

<https://daneshyari.com/en/article/7680379>

Download Persian Version:

<https://daneshyari.com/article/7680379>

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