Author's Accepted Manuscript

Development of a sequential injection-liquid microextraction procedure with GC-FID for analysis of short-chain fatty acids in palm oil mill effluent

Thapanee Pruksatrakul, Pattamaporn Phoopraintra, Prapin Wilairat, Pimchai Chaiyen, Rattikan Chantiwas



PII: S0039-9140(17)30011-5 DOI: http://dx.doi.org/10.1016/j.talanta.2017.01.010 Reference: TAL17192

To appear in: Talanta

Received date: 24 October 2016 Revised date: 4 January 2017 Accepted date: 5 January 2017

Cite this article as: Thapanee Pruksatrakul, Pattamaporn Phoopraintra, Prapii Wilairat, Pimchai Chaiyen and Rattikan Chantiwas, Development of a sequentia injection-liquid microextraction procedure with GC-FID for analysis of short chain fatty acids in palm oil mill effluent, *Talanta*. http://dx.doi.org/10.1016/j.talanta.2017.01.010

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o 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

Development of a sequential injection-liquid microextraction procedure with GC-FID for analysis of short-chain fatty acids in palm oil mill effluent

Thapanee Pruksatrakul^a, Pattamaporn Phoopraintra^a, Prapin Wilairat^b, Pimchai Chaiyen^c, Rattikan Chantiwas^a*

^a Department of Chemistry and Center of Excellence for Innovation in Chemistry and Flow Innovation-Research for Science and Technology Laboratories (FIRST Labs), Faculty of Science, Mahidol University, Rama VI Rd., Bangkok 10400, Thailand

^b National Doping Control Centre, Mahidol University, Rama VI Rd., Bangkok 10400, Thailand

^c Department of Biochemistry and Center for Excellence in Protein and Enzyme Technology, Faculty of Science, Mahidol University, Rama VI Rd., Bangkok 10400, Thailand

rattikan.cha@mahidol.ac.th

rattikan.cha@mahidol.edu

*Corresponding author. Tel.: +66 2 201 5199; fax: +66 2 354 7151.

Abstract

Short-chain fatty acids, such as acetic, propionic, butyric, iso-valeric and valeric acids, play an important role in methanogenesis activity for biogas production processes. Thus, simple and

Download English Version:

https://daneshyari.com/en/article/5141467

Download Persian Version:

https://daneshyari.com/article/5141467

Daneshyari.com