Author's Accepted Manuscript

Forensic utility of a nitrogen and oxygen isotope ratio time series of ammonium nitrate and its isolated ions

Brittany L. Grimm, Libby A. Stern, Alexander J. Lowe

www.elsevier.com/locate/talanta

PII: S0039-9140(17)30934-7
DOI: http://dx.doi.org/10.1016/j.talanta.2017.08.105
Reference: TAL17901

To appear in: *Talanta*

Received date: 17 July 2017
Revised date: 29 August 2017
Accepted date: 30 August 2017

Cite this article as: Brittany L. Grimm, Libby A. Stern and Alexander J. Lowe, Forensic utility of a nitrogen and oxygen isotope ratio time series of ammonium nitrate and its isolated ions, *Talanta,* http://dx.doi.org/10.1016/j.talanta.2017.08.105

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.

ACCEPTED MANUSCRIPT

TITLE PAGE

Title: Forensic utility of a nitrogen and oxygen isotope ratio time series of ammonium nitrate and its isolated ions

Authors: Brittany L. Grimm[a1], Libby A. Stern[a], Alexander J. Lowe[a2]

Affiliation:
[a] FBI Laboratory – Counterterrorism and Forensic Science Research Unit, Quantico, VA 22135, USA

Present addresses:
[1] FBI Laboratory – Chemistry Unit, Quantico, VA 22135, USA

[2] Brandon University, Department of Environmental Sciences John R. Brodie Science Centre, 270 - 18th Street, Brandon, Manitoba, R7A 6A9, Canada

Corresponding Author:
Libby A. Stern
FBI Laboratory – CFSRU
2501 Investigation Parkway
Quantico, VA 22135, USA
LStern@fbi.gov
703-632-7825
703-928-0278

Accepted manuscript

Download English Version:

https://daneshyari.com/en/article/5140380

Download Persian Version:

https://daneshyari.com/article/5140380

Daneshyari.com