

Accepted Manuscript

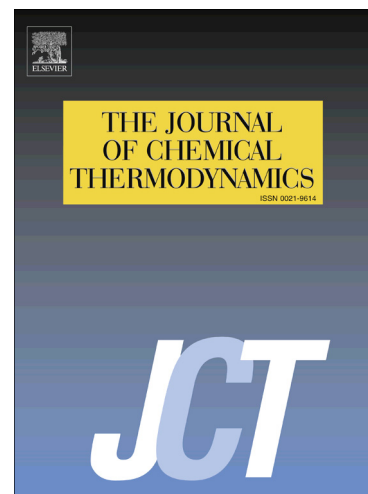
Abraham Model Linear Free Energy Relationships as a Means of Extending Solubility Studies to Include the Estimation of Solute Solubilities in Additional Organic Solvents

William E. Acree Jr., Melissa Y. Horton, Elizabeth Higgins, Michael H. Abraham

PII: S0021-9614(16)30173-2
DOI: <http://dx.doi.org/10.1016/j.jct.2016.07.028>
Reference: YJCHT 4728

To appear in: *J. Chem. Thermodynamics*

Received Date: 11 July 2016
Accepted Date: 21 July 2016



Please cite this article as: W.E. Acree Jr., M.Y. Horton, E. Higgins, M.H. Abraham, Abraham Model Linear Free Energy Relationships as a Means of Extending Solubility Studies to Include the Estimation of Solute Solubilities in Additional Organic Solvents, *J. Chem. Thermodynamics* (2016), doi: <http://dx.doi.org/10.1016/j.jct.2016.07.028>

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.

HIGHLIGHTS

- Solute descriptors calculated from measured 2-methyl-6-nitroaniline solubilities
- Solute descriptors calculated from measured 5-nitro-8-hydroxyquinoline solubilities
- Solute descriptors calculated from measured terephthalaldehyde solubilities
- Calculated solute descriptors are used to estimate solubilities in additional organic solvents

Download English Version:

<https://daneshyari.com/en/article/6659951>

Download Persian Version:

<https://daneshyari.com/article/6659951>

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