

Accepted Manuscript

Thermodynamics of aqueous adenine: standard partial molar volumes and heat capacities of adenine, adeninium chloride, and sodium adeninate from $T= 278.15$ K to 393.15 K

Alexander R. Lowe, Jenny S. Cox, Peter R. Tremaine

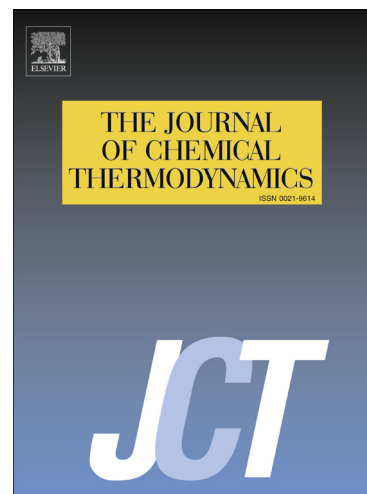
PII: S0021-9614(17)30110-6
DOI: <http://dx.doi.org/10.1016/j.jct.2017.04.005>
Reference: YJCHT 5039

To appear in: *J. Chem. Thermodynamics*

Received Date: 2 November 2016
Revised Date: 4 April 2017
Accepted Date: 7 April 2017

Please cite this article as: A.R. Lowe, J.S. Cox, P.R. Tremaine, Thermodynamics of aqueous adenine: standard partial molar volumes and heat capacities of adenine, adeninium chloride, and sodium adeninate from $T= 278.15$ K to 393.15 K, *J. Chem. Thermodynamics* (2017), doi: <http://dx.doi.org/10.1016/j.jct.2017.04.005>

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.



Thermodynamics of aqueous adenine: standard partial molar volumes and heat capacities of adenine, adeninium chloride, and sodium adeninate from $T= 278.15$ K to 393.15 K

Alexander R. Lowe, Jenny S. Cox and Peter R. Tremaine*

Department of Chemistry, University of Guelph,
50 Stone Rd. East, Guelph, ON Canada N1G 2W1

Keywords: apparent molar heat capacities; apparent molar volumes; adenine; hydrothermal solutions; ionization constant; revised HKF model.

Revised submission (JCT-16-853_R2) to the Journal of Chemical Thermodynamics

Download English Version:

<https://daneshyari.com/en/article/4769509>

Download Persian Version:

<https://daneshyari.com/article/4769509>

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