### **Accepted Manuscript**

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PII: S0378-3812(16)30067-X

DOI: 10.1016/j.fluid.2016.02.017

Reference: FLUID 11006

To appear in: Fluid Phase Equilibria

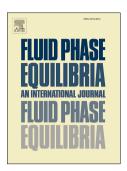
Received Date: 4 November 2015

Revised Date: 7 February 2016

Accepted Date: 10 February 2016

Please cite this article as: M.B. Oliveira, E.A. Crespo, F. Llovell, L.F. Vega, J.A.P. Coutinho, Modeling the vapor-liquid equilibria and water activity coefficients of alternative refrigerant-absorbent ionic liquid-water pairs for absorption systems, *Fluid Phase Equilibria* (2016), doi: 10.1016/j.fluid.2016.02.017.

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### ACCEPTED MANUSCRIPT

# Modeling the vapor-liquid equilibria and water activity coefficients of alternative refrigerant-absorbent ionic liquid-water pairs for absorption systems

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