



Supplementary Materials

Sorption and Desorption of Vapor of n-Pentane by Porphyrin Aluminum Metal–Organic Framework: Mechanism of Bonding, Kinetics and Stoichiometry by Complementary *In-Situ* Time-Dependent and *Ex-Situ* Methods

Georgia-Annicette Banga-Bothy and Alexander Samokhvalov *

Department of Chemistry, Morgan State University, 1700 East Cold Spring Lane, Baltimore, MD 21251, USA

* Correspondence: alexandr.samokhvalov@morgan.edu

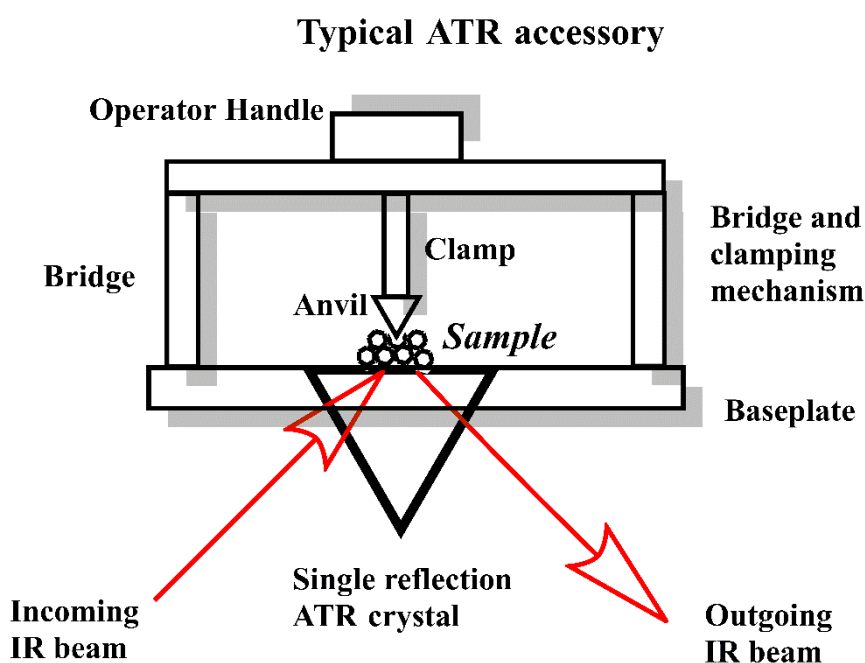


Figure S1. Generic schematics of typical ATR accessory.

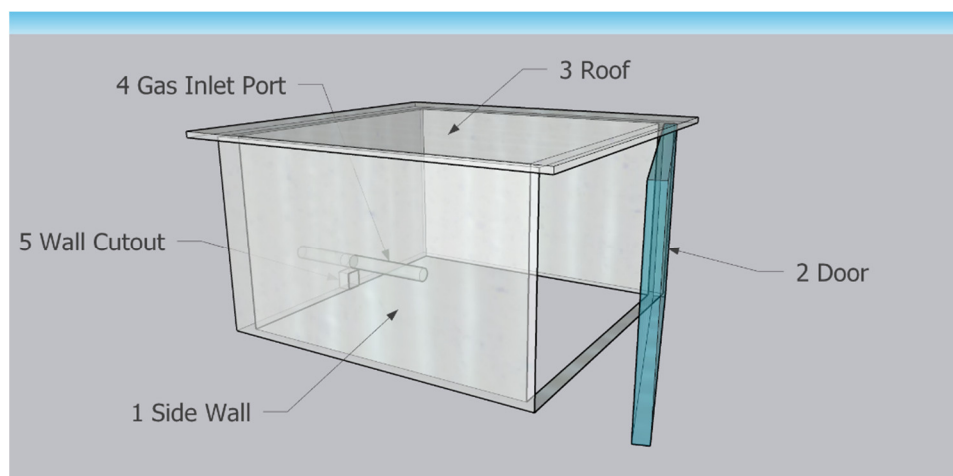


Figure S2. The simplified drawing of the flow chamber.

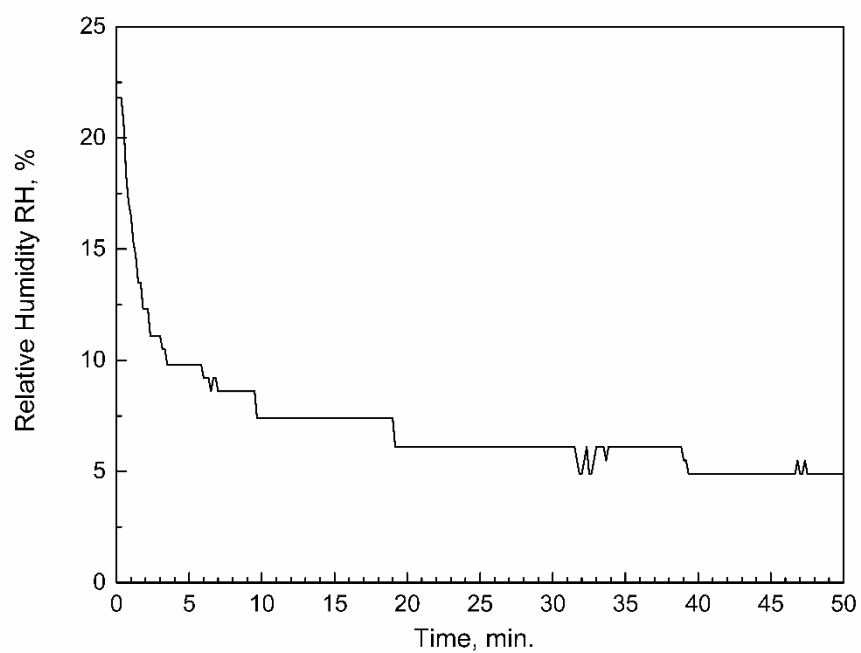


Figure S3. Relative humidity (RH) inside the flow chamber during pre-purge with dried air.

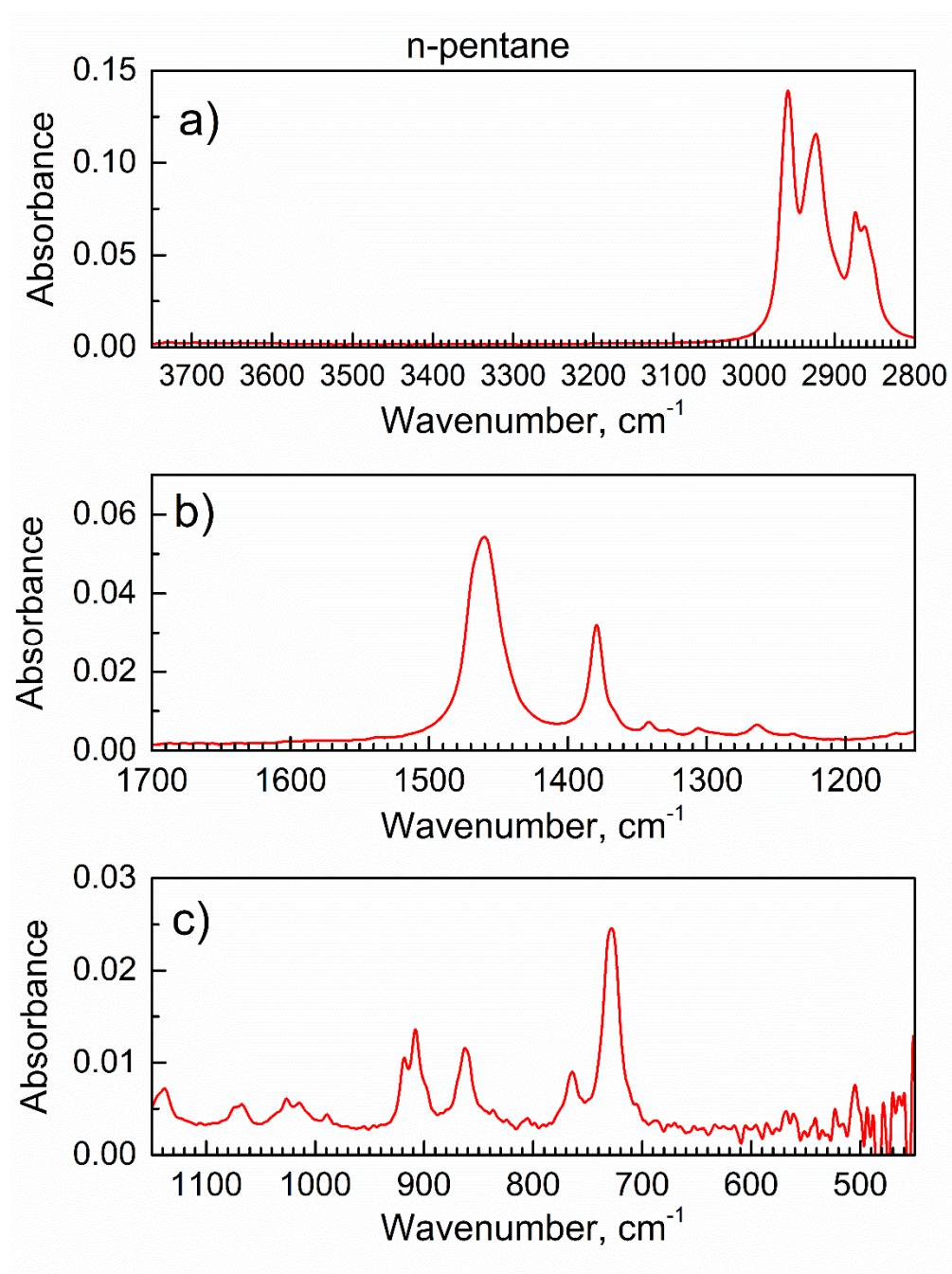


Figure S4. The ATR-FTIR spectrum of liquid n-pentane. (a) The high wavenumbers IR range; (b) the mid-IR range; (c) the low wavenumbers IR range.