Supplementary information for:

Re-determination of the Structure of an Anionic
Oxo-vanadium Arsenate Framework

by

V. Soghomonian, C. Slebodnick, and E. C. Spencer

Infrared spectrum
Elemental analysis
The IR spectrum of complex 1 exhibits the following prominent band, in cm$^{-1}$: For the extra-framework species, O-H and N-H stretching vibrations from the water and piperazinium ions; N-H bending vibrations around 1620, and C-N and C-H vibrations of the piperazinium ion in the region 1000 to 1500. For the framework, terminal V=O vibrations around 960, As-O vibrations around 800.

The spectrum was recorded on a Thermo Scientific Nicolet IR100 FT-IR instrument. Complex 1 was dispersed in a KBr pellet. 16 scans were recorded on the complex, and the background spectrum subtracted.
August 22, 2008
Revised Report 9/16/08

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Project: P9018684

Date Received: August 18, 2008

Certificate of Analysis

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4-6 Day Rush

Notes:
CHN analyzed with WO$_3$ catalyst. Replicate CHN verifies reported values.
Revised Report 9/16/08: Reported duplicate values that were analyzed during the original analyses.

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