

Supporting Online Material  
for

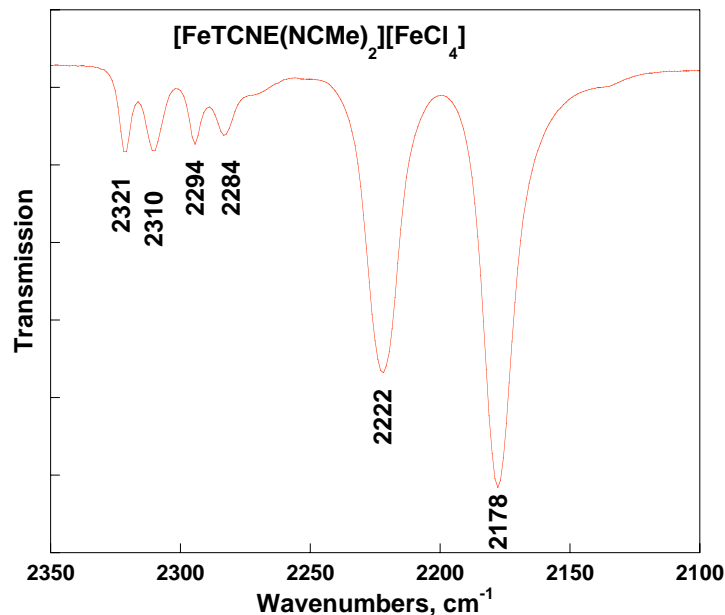
Magnetic Ordering ( $T_c = 90$  K) Observed for Layered  $[\text{Fe}^{\text{II}}(\text{TCNE}^{\cdot-})(\text{NCMe})_2][\text{Fe}^{\text{III}}\text{Cl}_4]$   
(TCNE = Tetracyanoethylene)

Konstantin I. Pokhodnya, Michael Bonner, Jae-Hyuk Her,

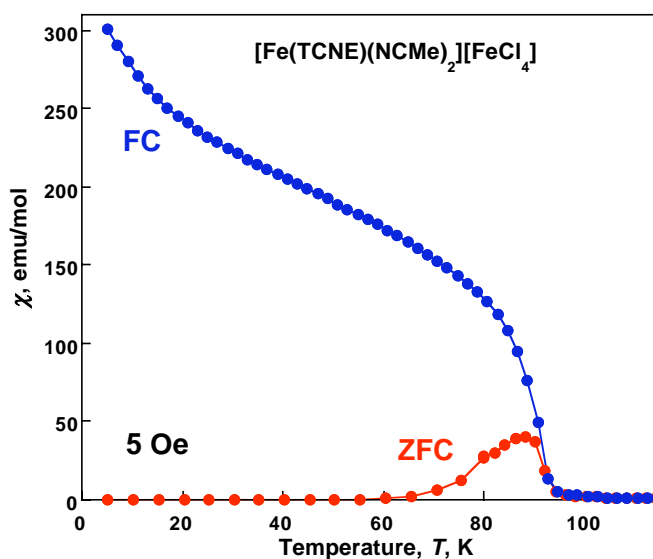
Peter W. Stephens, and Joel S. Miller

Department of Chemistry, 315 S. 1400 E. RM 2124, University of Utah, Salt Lake City, Utah 84112-0850, and

Department of Physics & Astronomy, Stony Brook University, Stony Brook, NY 11794-3800



**Figure S1.** IR in the  $\nu_{\text{CN}}$  region for  $[\text{Fe}(\text{TCNE}^{\cdot-})(\text{NCMe})_2][\text{FeCl}_4]$ .



**Figure S2.** 5 Oe ZFC/FC susceptibility of  $[\text{Fe}(\text{TCNE}^{\cdot-})(\text{NCMe})_2][\text{FeCl}_4]$ .