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subject: A Update on the Dimensionless Standard Chemical Potential of NpO$_2$Ac (aq) in FMT CHEMDAT

Recently, Nathalie Wall found an inconsistency regarding the dimensionless standard chemical potential ($\mu^\circ/RT$) of NpO$_2$Ac (aq) in the FMT database, FMT_021120.CHEMDAT (Giambalvo, 2003). In the FMT_021120.CHEMDAT, the $\mu^\circ/RT$ of NpO$_2$Ac (aq) was recorded as -519.615, which is close to the value of PAVT (-519.809) (Giambalvo, 2002). However, the recommended value by Giambalvo (2002) should be -526.061. This recommended value is from Choppin et al. (2001). The recommended value will be recorded in the revised FMT CHEMDAT to be released soon. This revised FMT CHEMDAT will be based on the FMT_040628.CHEMDAT in which the error of the molecular weight of oxalate in FMT_021120.CHEMDAT was corrected and calcium oxalate monohydrate (whewellite) was incorporated (Xiong, 2004).
References


