

## Supporting Information

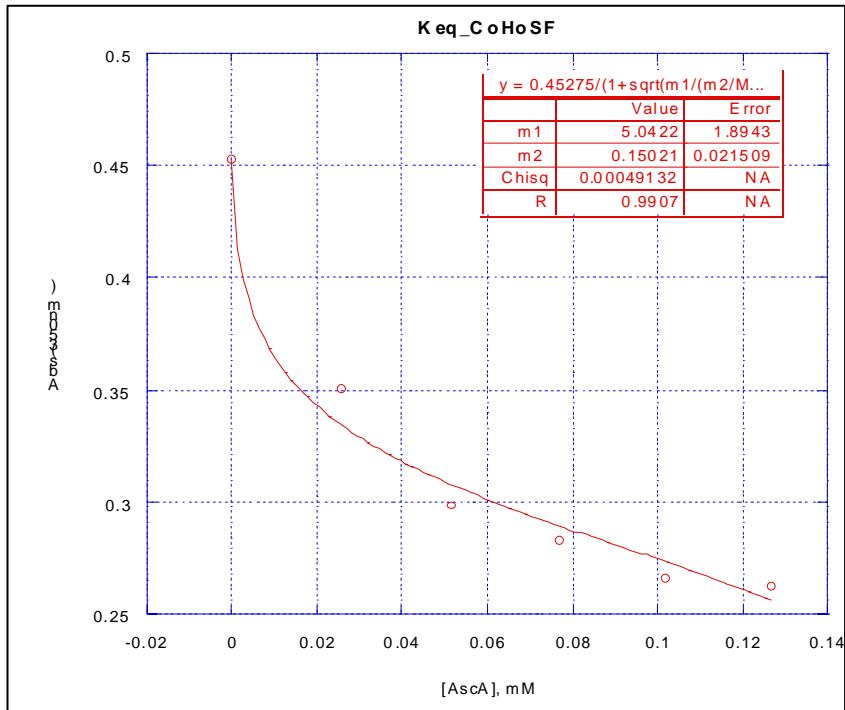
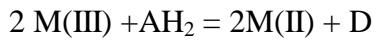


Figure 1. Determination of equilibrium constant for Co(O)OH-HoSF reduction by AH<sub>2</sub> (equation 2). Curve fitting was performed in Kaleidograph.



$$K_{eq} = \frac{[M(II)]^2[D]}{[M(III)]^2[AH_2]}$$