

Name _____ Section _____

Partner _____

CHM 112 Thermodynamics of Borax Report Form

Concentration of HCl: _____

Saturated Solution Data:

Tube	1	2	3	4	5
Temperature					
1/Temperature					
mL HCl					
$[\text{B}_4\text{O}_5(\text{OH})_4^{2-}]$					
$[\text{Na}^+]$					
K_{sp}					
$\ln K_{\text{sp}}$					

As always, attach graph and all sample calculations:

Slope: _____ ΔH° _____

Intercept: _____ ΔS° _____