

Name/lab section _____

[Fe(SCN)] Equilibrium Constant Lab Data Sheet

Part 'B' (the equilibrium phase)

[Fe²⁺]_{stock}: _____ [SCN⁻]_{stock}: _____ (these should be close to each other)

V_{Fe2+} used: _____ V_{SCN-} used: _____

After 'dilution':

[Fe²⁺]_{Initial}: _____ [SCN⁻]_{initial}: _____

Abs of equilibrium solution : _____ (target Abs)

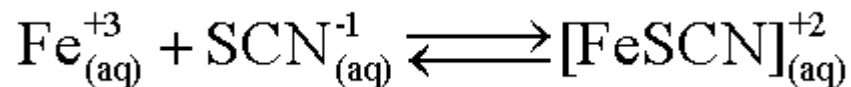
Part 'A' (the Beers Law plot phase)

[Fe²⁺]_{stock}: _____ [SCN⁻]_{stock}: _____ (these should NOT be close to each other)

Run	Conc of complex = [Fe ²⁺] _{dilute}	Abs
1		
2		
3		
4		
5		

Equation line from Beers Law graph:

Equilibrium calculation: (think ICE table)



Kf expression and calculation: