

FeSCN Calibration Plots

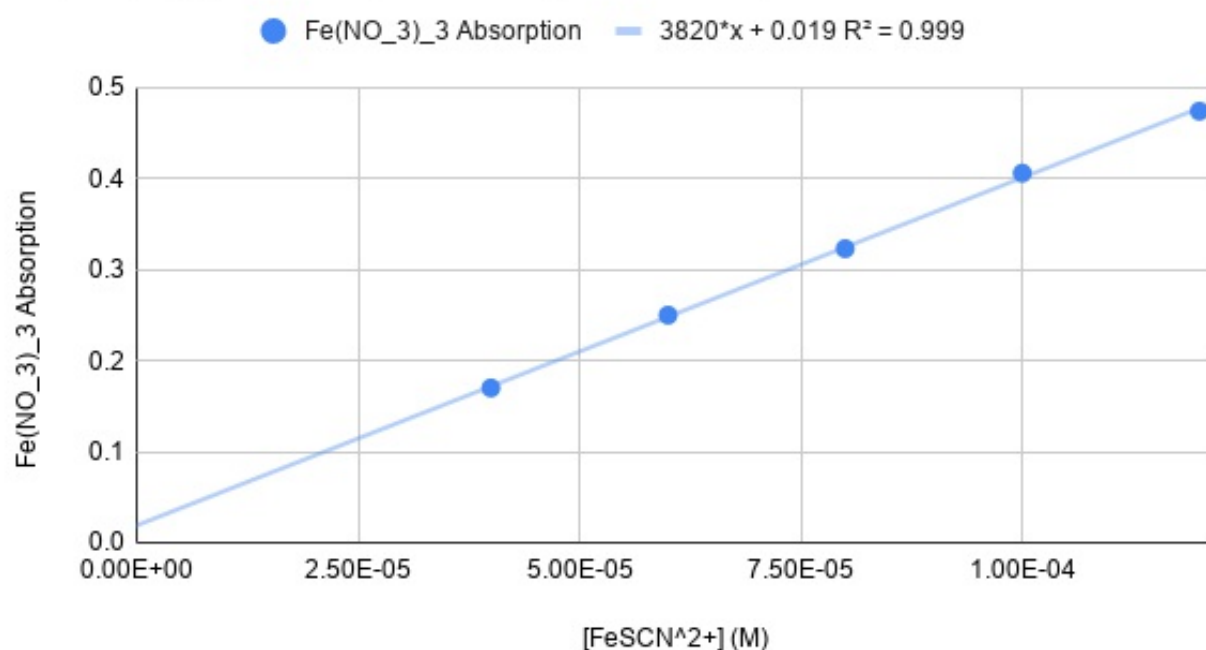
Data

Solution	KSCN	Water	absorbance	Fe(NO ₃) ₃	Absorbance	[FeSCN ²⁺]
1	2.0 mL		0.200		0.170	4.0 x 10 ⁻⁵ M
2	3.0 mL		0.285		0.250	6.0 x 10 ⁻⁵ M
3	4.0 mL		0.362		0.323	8.0 x 10 ⁻⁵ M
4	5.0 mL		0.438		0.406	1.0 x 10 ⁻⁴ M
5	6.0 mL		0.507		0.474	1.2 x 10 ⁻⁴ M

Plots

Fe(NO₃)₃ absorption as a function of concentration without zero point:

Fe(NO₃)₃ Absorption v.s [FeSCN²⁺]



Fe(NO₃)₃ absorption as a function of concentration with zero point:

Fe(NO₃)₃ Absorption vs. [FeSCN²⁺]

