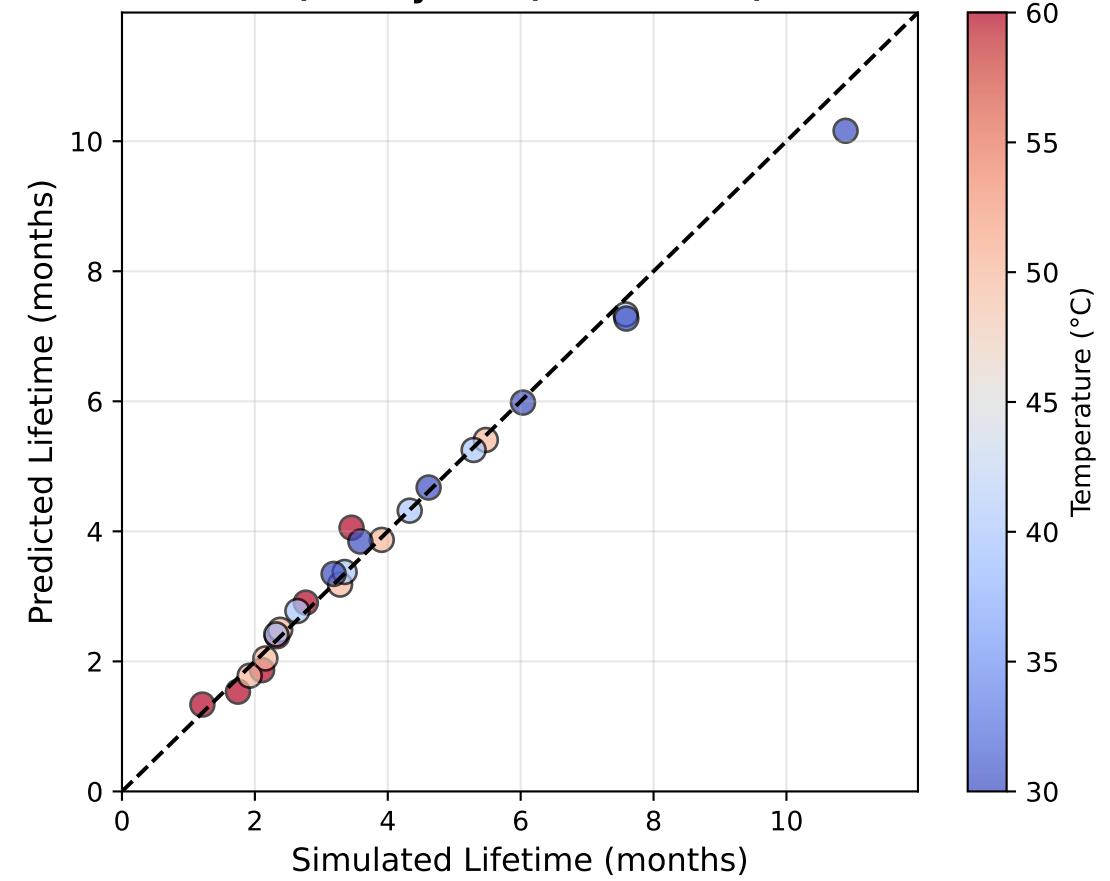
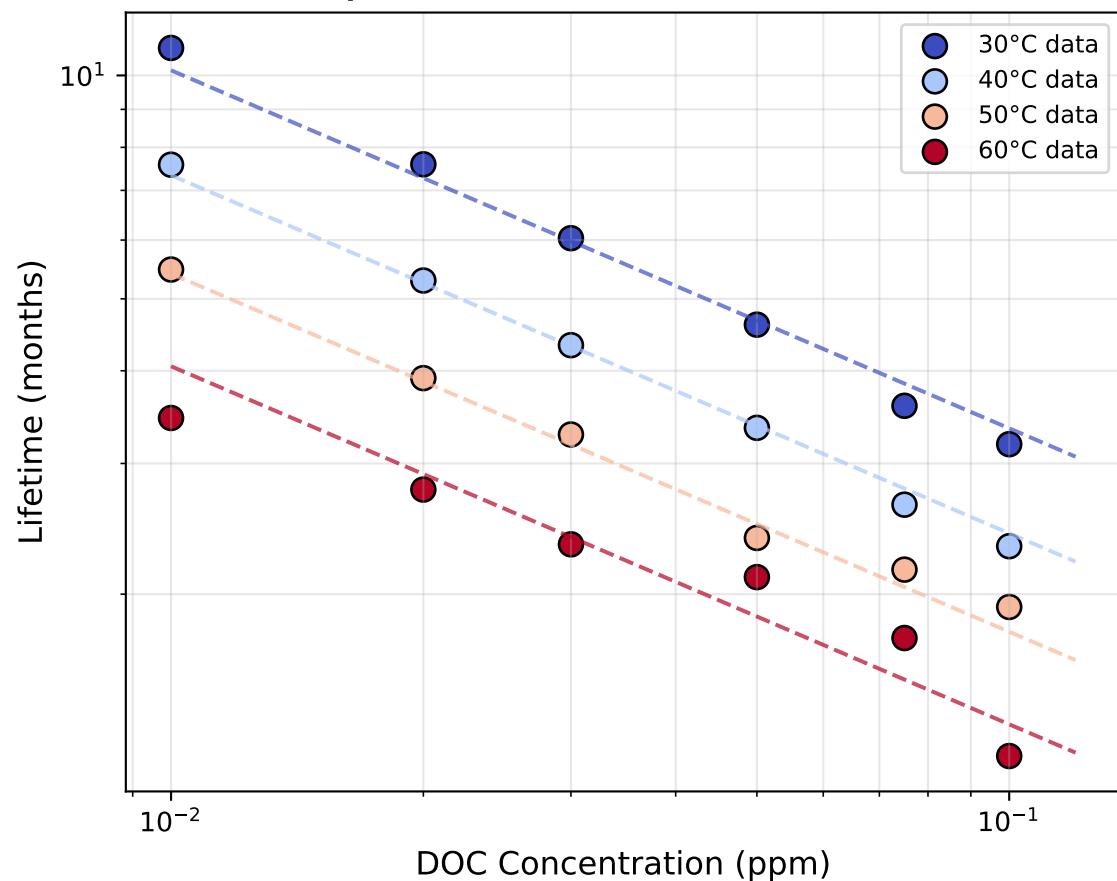
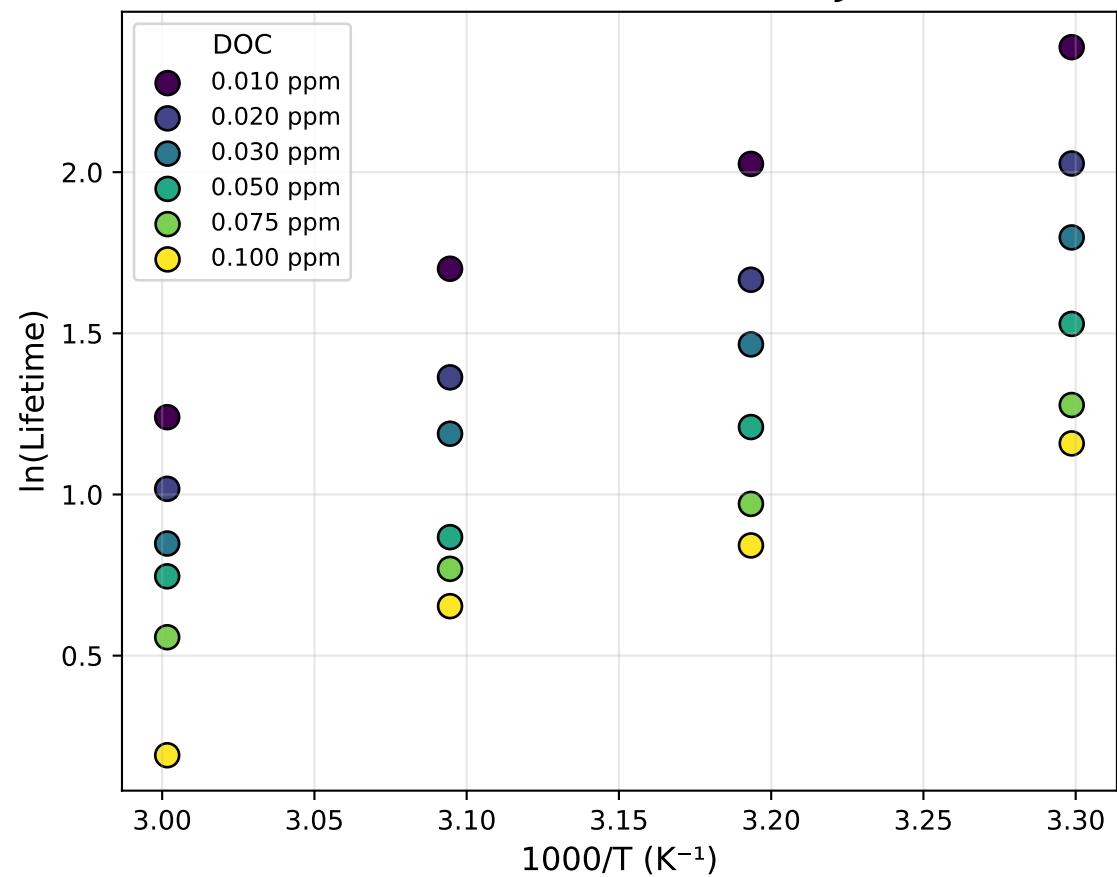


A) Parity Plot ($R^2 = 0.9841$)**B) Lifetime vs DOC Concentration****C) Arrhenius Plot ($E_a = 25.7 \text{ kJ/mol}$)****D) Prediction Residuals**