

**Figure 1:** Concentration of dissolved oxygen (mg/L) over time (min). This is a second order reaction and the k-value was calculated to be 0.14 L/(mg\*min). Circles represent data points and the line represents the fitted model.



**Figure 2:** Concentration of dissolved oxygen (mg/L) over time (min). This is a zero order reaction and the k-value was calculated to be 0.3 mg/(L\*min). Circles represent data points and the line represents the fitted model.



**Figure 3:** Concentration of dissolved oxygen (mg/L) over time (min). This is a first order reaction and the k-value was calculated to be 0.11 1/min. Circles represent data points and the line represents the fitted model.