

Figure 7.12. Alkalinity concentrations (mg/L) for duplicate Brush Creek Shale columns in Labs 4 and 5.

The relatively low NP values of the Lower Kittanning Falls Creek Shale do not make it a typical “gray zone” sample (NP 12.41 to 16.47), but its leaching behavior is remarkable in terms of alkalinity production. The alkalinity plot for seven of the labs exhibits considerable scattering of the data, as shown in Figure 7.13, but when the data from only Labs 3, 4 and 5 are plotted in Figure 7.14, there is a trend of increasing alkalinity through time.

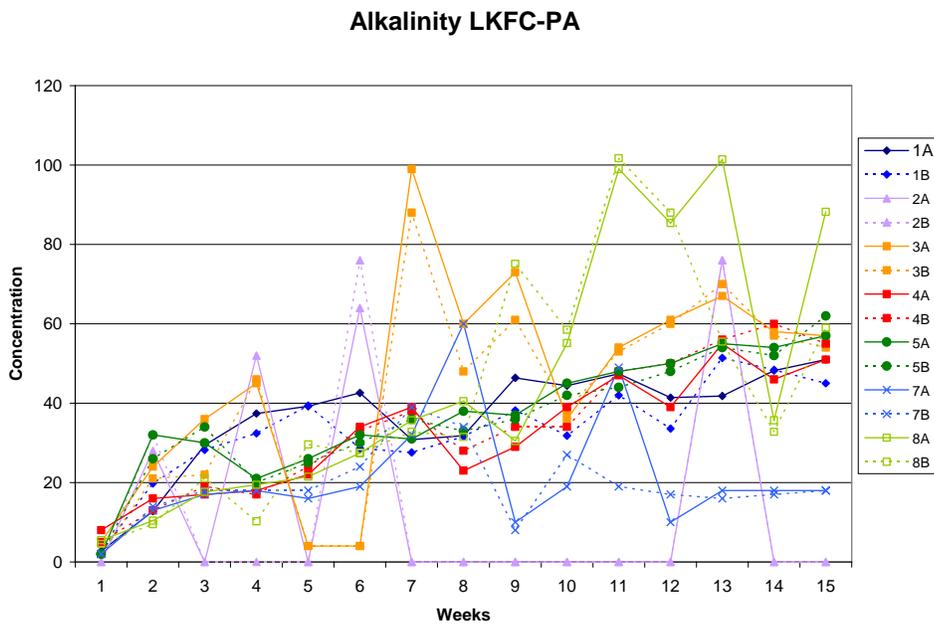


Figure 7.13. Alkalinity concentrations (mg/L) of Lower Kittanning Shale duplicate columns.