



Figure 5.33. Hot acidity concentrations in leachates as a function of time for duplicate leach columns of Houchin Creek Shale (1 and 2), Lower Kittanning Shale (3 and 4), Kanawha Black Flint Shale (5 and 6), Brush Creek Shale (7 and 8), a single column of Middle Kittanning Sandstone (9), and deionized water (10). Hot acidity concentrations >0 indicate net acidity; hot acidity concentrations <0 indicate net alkalinity.