David Panfilov

7/22/16

More Phenols and Anilines

 This week has been tremendously productive, thanks to the potentiostat and the program for not breaking down. I have compiled redox potentials with the glassy carbon electrode on most of the phenols and anilines in our lab. What seems to be a common graph in phenols includes one peak around 0.75 V for the anodic peak. This peak occurs because the voltage applied is going in the positive direction. Most likely, this peak indicates an oxidation occurring or a loss of an electron on the molecule. Anilines normally show two peaks that are symmetric along the x-axis at around 0.25 V.