

George Eastman House Photograph XRF Analysis

Below are 5 plots of analysis of 3 different photograph using the Bruker Handheld xrf system.

1. The first plot contains all the xrf elemental analysis of both D min and D max and a piece of plastic to determine what elements are from the detector itself.
2. The second is the D min and D max of photo 57
3. The third is the D min and D max of photo 4
4. The fourth is the D min and D max of photo 59
5. The fifth is the difference of the D max minus D min for the 3 photos

From the differences shown in slide 5 of D max and D min it is clear that the images in 56 and 57 are made from Pt and Hg and the image in 4 is made from Cr, Mn, Fe, Cu and Zn.

The remainder of the elements shown the D min spectra on the various plots are from the paper and the backing board. It is interesting that the backing board for number 4 contains elements typically found in dirt or sand, indicating that this was used in as a filler in the fabrication of that board.









