Abstract Submitted
for the TSF13 Meeting of
The American Physical Society

Mercury and Selenium concentrations in Fish Samples from the Donna Reservoir and Canal System (Texas)[1] MOHAMMAD HANNAN, KAREEM WAHID, GEORGE GARCIA, Department of Physics and Geology, University of Texas - Pan American, MIKAEL NILSSON, Department of Chemical Engineering and Materials Science, University of California Irvine, GEORGE MILLER, Department of Chemistry, University of California Irvine — Mercury and selenium in fish from the Donna reservoir and canal system were studied using instrumental neutron activation analysis at the UC Irvine TRIGA® reactor. The samples contain measurable quantities of Hg and Se, although the amount appears to be within the Department of Health Services Health Assessment Comparison values for trace metals. The samples were analyzed without post-treatment, reducing the risk of errors from losses in the analysis method. Suggestions for improvements using this type of analysis are provided.

[1]NSSC-MSI summer fellowship program

Mohammad Hannan
University of Texas Pan American

Date submitted: 04 Sep 2013 Electronic form version 1.4