

ASSESSMENT OF LOW-LEVEL PLUTONIUM IN URINE QC SAMPLE RESULTS BY THERMAL IONIZATION MASS SPECTROMETRY (TIMS). Donivan R. Porterfield Chemical Science and Technology Division, Los Alamos National Laboratory, P.O. Box 1663; MS K484, Los Alamos, NM 87545

The Chemical Science and Technology Division Analytical Chemistry Capability is providing the Radiation Protection Services (ESH-12) Group with low-level Pu-239 and -240 in urine analyses using Thermal Ionization Mass Spectrometry (TIMS). This presentation will address the results of the quality control samples that were analyzed in conjunction with worker samples and their assessment using ANSI N13.30 criteria.