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USE OF THE METHOD OF STANDARD EDITIONS

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Ms. Karen Eglinton
Free-Coll Laboratories
P.O. Box 557, Cotton Rd.
Meadville, PA 16335-0557

Dear Ms. Eglinton:

The Third Edition of SW-846 requires that the method of standard editions be used whenever the percent recovery of a matrix spike is outside of the range 75% to 125%. The method of standard additions consists of "spikes" of three different levels of analyte into three aliquots of the sample to correct for interferences. This requirement applies to analysis by both atomic absorption and ICP.

However, it should also be pointed out that the method of standard additions is required, in all cases, when analyzing Extraction Procedure toxicity extracts (see CFR 261, Appendix II).

Thank you for your kind remarks about the Third Edition of SW-846. We welcome any suggestions that you might have for further improvements. I hope this alleviates your concerns. If you have further questions, please feel free to call me at (202) 382-74583

Best Regards,

Denise A. Zabinski, Chemist
Methods Program