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**To:** [John Mousa](#)  
**Subject:** Per Alachua County's July 31, 2007, Request Relating to Koppers Site Soil Data  
**Date:** Thursday, February 14, 2008 4:48:48 PM

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John,

Greetings, per our telephone conversations and Alachua County's July 31, 2007, EPA's SESD reviewed the Koppers data for quality assurance and sample holding times and found it to be appropriate. Specific comments received were as follows:

Arsenic was analyzed by ICP-MS under Method 6020, which should be considered appropriate for the sample matrix, although I don't know what was specified in the SAP. The holding times (180 days) were met for all samples. There appeared to be matrix interferences for arsenic in a majority of the samples, causing recoveries and precision to be erratic. Laboratory controls for As were generally ok, except for small positive and negative values reported in calibration blanks.

Dioxins / Furans were analyzed by method 1613 which should be considered appropriate for the sample matrix, although again I don't know what was specified in the SAP. All holding time and temperature criteria were met. The data from the CAS lab had a number of problems because of severe matrix effects and the lab's apparent failure to perform rigorous clean-up, and by sample dilution and calculation algorithms that are outside of 1613. It looked as though the contractor applied appropriate qualifiers and caveats on the data as a result.

Thanks,

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