

Utah Copper Corporation
Utah Copper Division

TELEPHONE 322-1533
AREA CODE 801

P. O. BOX 11299
SALT LAKE CITY, UTAH 84111

May 21, 1971

Robert A. Kehoe, M.D.
Kettering Laboratory of Applied Physiology
University of Cincinnati, College of Medicine
Cincinnati, Ohio

Dear Doctor Kehoe

I had hoped to attend your refresher course, "The Significance of the Levels of Concentration of Lead in Body Fluids in Relation to Industrial Hygiene" at the AIHA conference in Toronto to learn more concerning lead in urine as a secondary lead exposure monitoring device. Since work scheduling will not permit my attendance, I would appreciate any comments you may have or reference to recent publications which detail urine sampling, analysis methods and interpretation of results.

Of particular concern is our method for correcting concentrations based on variations in specific gravity. We are using 1.024 as a standard and are multiplying actual metal concentrations by the ratio of the last two significant figures of standard sp.gr. and the actual sp.gr. For example, if a urine sample has a sp.gr. of 1.008, the correction factor would equal 3 or 24/8.

Any help you can offer will be greatly appreciated. Thank you for your kind consideration.

Sincerely yours,

Vaughn Baird
Vaughn Baird
Industrial Hygiene Supervisor

/gb

cc: File