

Material: Urine and blood samples

Submitted: By Dr. Siegel, Aluminum Ore Company, East St. Louis, Illinois

Required: Lead Analyses

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Name	URINE				BLOOD				
	Analysis Number	Volume ml.	Sp.Gr.	Mg./ Liter	Analysis Number	Spectrographic		Dithizone	
						Weight Grams	Mg./ 100 g.	Weight Grams	Mg. 100 g.
[REDACTED]	47A-1188	100	1.020	0.20	47A-1189	5.9	0.06	19.8	0.075
[REDACTED]	47A-1192	74	1.017	0.09	47A-1193	19.2	0.04	--	0.025
[REDACTED]	47A-1186	100	1.016	0.045	47A-1187	8.4	0.05	13.4	0.045
[REDACTED]	47A-1190	100	1.019	0.12	47A-1191	20.8	0.08	--	0.07
[REDACTED]	47A-1184	67	1.025	0.10	47A-1185	20.0	0.05	20.1	0.045

ote: The two cases above where no weights are indicated under the dithizone method, both methods were run from the one sample, since the second blood sample in each case was too small for proper analysis.

Samples Collected: February 20 and 21, 1947

Samples Received: February 25, 1947

Samples Reported: March 1, 1947

The results indicate that Boschenreither and Hultburt have had recent lead exposure at potentially hazardous levels. Elliott, Hoffman and Hurlock have had either negligible or no occupational lead exposure, as judged by the blood lead concentrations. (The urinary lead concentration is subject to greater variability than is that of the blood, but the urinary results given here are compatible physiologically with those on the blood.)

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Dr. Siegel,
Aluminum Ore Company,
East St. Louis, Illinois.

Dear Dr. Siegel:

I am sending you herewith the results with an interpretation of the analysis of blood and urine samples of five employees of Aluminum Ore Company, together with an invoice to cover the cost of the analyses.

Very truly yours,

Robert A. Kehoe, M. D.

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Enc.

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N 7298.01

March 4, 1947

Aluminum Ore Company,
East St. Louis,
Illinois.

Attention: Dr. Siegel

Analysis of Blood and Urine for Lead



\$ 50.00

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