

C. G. Gorman
W. P. Williams

October 4, 1947

Dr. Goldman,
The Electric Storage Battery Company,
Allegheny Avenue and 19th Street,
Philadelphia 32, Pennsylvania.

Dear Dr. Goldman:

I am forwarding to you herewith duplicate signed copies of our reports of the analytical results on the urine and blood of [REDACTED]. I also enclose a bill to cover the cost of carrying out these analyses. As I have indicated in the report, the results on [REDACTED] are in agreement and are clearly indicative of his having had recent hazardous exposure to lead compounds. The information given concerning this patient is not such that we are justified in making any assumption as to the diagnosis. However, the results are compatible with a diagnosis of lead poisoning, if such a diagnosis is justified on other grounds. In the case of [REDACTED] the lead concentration in the urine is high and is indicative of recent lead absorption. However, the lead concentration in the blood is just at the upper edge of normal values, thereby suggesting that this man has not had recent dangerous lead exposure. The sample of urine had a high specific gravity, and is therefore a somewhat concentrated sample. This may account for the discrepancy. I should be inclined to doubt if any of the present symptoms were due to lead absorption but would feel that these results should be checked by further analyses. It is possible that the sample of urine may have been slightly contaminated in its collection, in which case a further samples of both blood and urine would tend to clarify the significance of the lead exposure.

In the above case as well as in future cases it would be well for us to have all of the available clinical information, since otherwise it is impossible for us to give an adequate interpretation of the analytical results.

Very truly yours,

Robert A. Kehoe, M. D.

FAK ef

Enc.

Name: [REDACTED] (#4903)
Material: Material and Blood
Submitted: 9-25-47 by Dr. Goldman, Electric Storage
Battery Company, Philadelphia, Pennsylvania
Required: Lead Analyses

Urine

Analysis Number = 47A-6436
Volume = 100 ml.
Sp. Gr. = 1.020
Mg. Pb/Liter = 0.24

Blood

Analysis Number = 47A-6437

	<u>Spectrographic</u>	<u>Dithizone</u>
Grams	12.8	15.0
Mg. Pb/100 g.	0.05	0.065

The lead concentration in the blood is at the upper limit of normal values, thereby indicating that this man's recent lead exposure has been of a low order of magnitude. The concentration of lead in the urine is relatively high. This may have resulted from the collection of a concentrated sample of urine, or it may have resulted from contamination in the process of collection. It might be the result of a very recent exposure of greater severity than that ordinarily present. The analyses should be repeated on additional samples to clarify these questions.

Sample Collected: 9-19-47
Sample Received: 9-25-47
Sample Reported: 9-30-47

Robert A. Kehoe, M. D.

Name:

(#4903)

Material:

Material and Blood

Submitted:

9-25-47 by Dr. Goldman, Electric Storage
Battery Company, Philadelphia, Pennsylvania

Required:

Lead Analyses

Urine

Analysis Number = 47A-6436

Volume = 100 ml.

Sp. Gr. = 1.020

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Analysis Number = 47A-6437

	<u>Spectrographic</u>	<u>Lithizone</u>
Grams	12.8	15.0
Mg. Pb/100 g.	0.05	0.065

The lead concentration in the blood is at the upper limit of normal values, thereby indicating that this man's recent lead exposure has been of a low order of magnitude. The concentration of lead in the urine is relatively high. This may have resulted from the collection of a concentrated sample of urine, or it may have resulted from contamination in the process of collection. It might be the result of a very recent exposure of greater severity than that ordinarily present. The analyses should be repeated on additional samples to clarify these questions.

Sample Collected: 9-19-47
Sample Received: 9-25-47
Sample Reported: 9-30-47

Robert A. Kenoe, M. D.

4903, Dept 77 has
been working in lead for
past five years
feels tired and has
Anorexia. His stopping
Count has been 34 in
September and 43 in August.

25)
Goldman, Electric Storage
, Philadelphia, Pennsylvania

= 47A-6434

= 72 ml.

= 1.022

= 0.32

Blood

Analysis Number = 47A-6435

	<u>Spectrographic</u>	<u>Dithizone</u>
Grams	10.3	19.1
Mg. Pb/100 g.	0.12	0.115

The lead concentrations in both urine and blood are well above normal limits and are indicative of recent hazardous exposure to lead compounds.

Robert A. Kehoe, M. D.

Samples Collected: 9-19-47
Samples Received: 9-25-47
Samples Reported: 9-30-47

Name: [REDACTED] (#4925)
Material: Urine and Blood
Submitted: 9-25-47 by Dr. Goldman, Electric Storage
Battery Company, Philadelphia, Pennsylvania
Required: Lead Analyses

Urine

Analysis Number = 47A-6434
Volume = 72 ml.
Sp. Gr. = 1.022
Mg. Pb/Liter = 0.32

Blood

Analysis Number = 47A-6435

	<u>Spectrographic</u>	<u>Dithizone</u>
Grams	10.3	19.1
Mg. Pb/100 g.	0.12	0.115

The lead concentrations in both urine and blood are well above normal limits and are indicative of recent hazardous exposure to lead compounds.

Robert A. Kehoe, M. D.

Samples Collected: 9-19-47
Samples Received: 9-25-47
Samples Reported: 9-30-47

Name: [REDACTED] (#4925)

Material: Urine and Blood

Submitted: 9-25-47 by Dr. Goldman, Electric Storage
Battery Company, Philadelphia, Pennsylvania

Required: Lead Analyses

Urine

Analysis Number = 47A-6434

Volume = 72 ml.

Sp. Gr. = 1.022

Mg. Pb/Liter = 0.32

Blood

Analysis Number = 47A-6435

	<u>Spectrographic</u>	<u>Dithizone</u>
Grams	10.3	19.1
Mg. Pb/100 g.	0.12	0.115

The lead concentrations in both urine and blood are well above normal limits and are indicative of recent hazardous exposure to lead compounds.

Robert A. Kehoe, M. D.

Samples Collected: 9-19-47
Samples Received: 9-25-47
Samples Reported: 9-30-47

~~REDACTED~~, 4925,
Dept 77 has members
and handling of both
arms for past week.
He has been working in
posting dept since March
24, 1947. His stepping
count has been 16 in September
and 48 in August.

Lehoe, M. D.
Eden Avenue
19, Ohio

October 4, 1947

Attention: Dr. Goldman

or Lead

\$ 20.00

Robert A. Kehoe, M. D.
College of Medicine Eden Avenue
Cincinnati 19, Ohio

October 4, 1947

The Electric Storage Battery Co.,
Allegheny Avenue and 19th St.,
Philadelphia 32, Pa.

Attention: Dr. Goldman

Analysis of Blood and Urine for Lead


\$ 20.00