

August 31, 1943

(19)

Dr. L. E. Edelman,
Director of Research,
The Lake Erie Chemical Company,
2200 Scranton Road,
Cleveland 13, Ohio.

Dear Dr. Edelman:

I have the results on the last series of analyses on the samples of urine of your two associates and yourself. These results are quite satisfactory from my point of view with one exception, and therefore, I shall not report them to you at this time. With the one exception indicated above, there is no suggestion of any significant exposure to either lead or arsenic. I believe that the exception is the result of the contamination of a sample of urine, and therefore I am calling it to your attention. The second sample obtained by Mr. [REDACTED] at 11:30 A. M., 8/6/43, is very high in its lead content, but within normal limits in respect to arsenic. The sample taken the day before by the same man was normal with respect to its content of both lead and arsenic. Therefore, unless Mr. [REDACTED] had some quite significant accidental exposure in the early morning of August 6, this second sample was certainly contaminated inadvertently. If there was any accidental exposure to tetraethyl lead on the day in question, I should appreciate it if you would report it to me in some detail. However, if my suspicion is correct, this should simply be the occasion for advising Mr. [REDACTED] as well as your other associates of the necessity for extremely great care in the collection of these samples. We have occasional contamination in the Laboratory, for even under the most ideal conditions the opportunity for lead contamination is great. It may be, therefore, that this was our error. However, it is worth while to have everybody take great precautions, since otherwise we shall have less useful information that we would wish to have.

Cordially yours,

Robert A. Kehoe, M. D.

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A number of urine samples submitted by the Lake Erie Chemical Company, Cleveland, Ohio, for lead and arsenic analyses.

<u>Analysis Number</u>	<u>Date and Hour Collected</u>	<u>Name</u>	<u>Mg. Pb/L.</u>	<u>Mg. As/L.</u>
43A-2689	10:00 a.m. 8-5-43	[REDACTED]	0.09	0.04
43A-2690	10:00 a.m. 8-6-43	[REDACTED]	0.065	0.03
43A-2691	12:15 p.m. 8-5-43	[REDACTED]	0.05	0.03
43A-2692	11:30 a.m. 8-6-43	[REDACTED]	*1.1 *1.2 (Check)	0.06
43A-2693	12:00 Noon 8-5-43	[REDACTED]	0.10	0.04
43A-2694	2:00 p.m. 8-6-43	[REDACTED]	0.07	0.04

*Undoubtedly represents contamination.

Samples Received: 8-9-43

Samples Reported: 8-25-43

KE 0013730

N16566.01

A number of urine samples submitted by the Lake Erie Chemical Company, Cleveland, Ohio, for lead and arsenic analyses.

<u>Analysis Number</u>	<u>Date and Hour Collected</u>	<u>Name</u>	<u>Mg. Pb/L.</u>	<u>Mg. As/L.</u>
43A-2689	10:00 a.m. 8-5-43	[REDACTED]	0.09	0.04
43A-2690	10:00 a.m. 8-6-43	[REDACTED]	0.065	0.03
43A-2691	12:15 p.m. 8-5-43	[REDACTED]	0.05	0.03
43A-2692	11:30 a.m. 8-6-43	[REDACTED]	*1.1 *1.2 (Check)	0.06
43A-2693	12:00 Noon 8-5-43	[REDACTED]	0.10	0.04
43A-2694	2:00 p.m. 8-6-43	[REDACTED]	0.07	0.04

*Undoubtedly represents contamination.

Samples Received: 8-9-43

Samples Reported: 8-25-43

KE 0013731

A number of urine samples submitted by the Lake Erie Chemical Company, Cleveland, Ohio, for lead and arsenic analyses.

<u>Analysis Number</u>	<u>Date and Hour Collected</u>	<u>Name</u>	<u>Mg. Pb/L.</u>	<u>Mg. As/L.</u>
43A-2689	10:00 a.m. 8-5-43	[REDACTED]	0.09	0.04
43A-2690	10:00 a.m. 8-6-43	[REDACTED]	0.065	0.03
43A-2691	12:15 p.m. 8-5-43	[REDACTED]	0.05	0.03
43A-2692	11:30 a.m. 8-6-43	[REDACTED]	*1.1 *1.2 (Check)	0.06
43A-2693	12:00 Noon 8-5-43	[REDACTED]	0.10	0.04
43A-2694	2:00 p.m. 8-6-43	[REDACTED]	0.07	0.04

*Undoubtedly represents contamination.

Samples Received: 8-9-43

Samples Reported: 8-25-43

KE 0013732