

Name :

Material: Urine and Blood

Submitted: 9-22-60 by Dr. J. G. Burdick, Ethyl Corporation,
Houston Plant

Required: Lead Analyses

URINE

Analysis Number - 60A-7087

Volume - 140 ml.

Specific Gravity - 1.001

Mg. Pb/Liter - 0.04

BLOOD

Analysis Number - 60A-7089

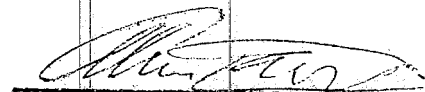
Weight - 10.8

Mg. Pb/100 Grams - 0.03 (Spectrographic)

Mg. Pb/100 Grams - 0.045 (Dithizone)

The levels of lead concentration in the urine and the blood are well within the upper normal limits.

Signed:



Alvin Davis, M.D.

Samples Collected: 9-20-60
Samples Received: 9-22-60
Samples Reported: 9-27-60

KE 0017353

Name: [REDACTED]

Material: Urine and Blood

Submitted: 9-22-60 by Dr. J. G. Burdick, Ethyl Corporation,
Houston Plant

Required: Lead Analyses

URINE

Analysis Number - 60A-7086

Volume - 80 ml.

Specific Gravity - 1.024

Mg. Pb/Liter - 0.08

BLOOD

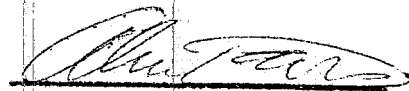
Analysis Number - 60A-7088

Weight - 10.5 Grams

Mg. Pb/100 Grams - 0.04 (Spectrographic)

Mg. Pb/100 Grams - 0.03 (Dithizone)

The levels of lead concentration in the urine and the blood are well within the upper normal limits.

Signed: 

Alvin Davis, M.D.

Samples Collected: 9-20-60

Samples Received: 9-22-60

Samples Reported: 9-27-60

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO	Mr. Karl V. Kitzmiller	ADDRESS	Cincinnati, Ohio
FROM	J. G. Burdick, M.D.	ADDRESS	Houston, Texas
SUBJECT	Gasoline Storage Tank Incident	DATE	September 20, 1960

This morning I received a telephone call from Mr. Stan Eskridge of the Sales Department who stated that two men, employees of Vacuum Tank Company, were cleaning a gasoline storage tank for the Humble Oil Company that had contained their "Golden Esso" gasoline. The men had worked approximately an hour and fifteen minutes in the tank, had gone out for a few minutes, and then returned for approximately five minutes when one of them passed out and the other became disoriented. They were immediately removed and taken to the Little York Hospital in Houston. This all occurred between midnight and four a.m.

At noon today I visited the hospital, talked with and examined the patients and obtained a spot urine specimen and blood lead specimen from each of them. Mr. [REDACTED] a healthy young white male, approximately 20 years of age stated that he was the one who had become confused in the tank. That he had felt completely well since entering the hospital, having had no headaches, nervousness, irritability, or anorexia. Physical examination was essentially negative.

Mr. [REDACTED] a Mexican of about the same age, was the other patient. He spoke very little English but I was able to get a reasonably good history with the help of a visiting relative. He stated that he had been in the tank the same length of time as Mr. [REDACTED] but that he remembered practically nothing of the second trip into the tank. He stated that when he came to he was in the hospital and his only complaints were that he had slept most of the morning and that the burned areas on his hips and thighs were painful. He was eating his lunch and apparently enjoying it, and stated that he had no headaches or nervousness. Examination revealed some 2nd degree burns over his lower abdomen, buttocks and thighs that were apparently chemical burns from the hydrocarbons in the fluid remaining in the tank.

I have talked with their physician, Dr. Edward H. Dew, and he will observe both men closely for the next 36 hours for any evidence of organic lead intoxication.

KE 0017354

Mr. Earl W. Kitzmiller

-2-

Sept. 20. 1960

I am sending the specimens I obtained to the Kettering Laboratory for quantitative lead determination and will appreciate being called by phone when the laboratory tests are complete.

J. G. Burdick, M.D.
J. G. Burdick, M.D.

JSB:W

cc: Mr. J. E. Hendrick

KE0017356

KETTERING LABORATORY
UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE

REQUEST FOR INVESTIGATION

Name of Patient [REDACTED] Race Wh Sex M Age S M W D

Address 810 Louisiana, South Houston, Texas

Request by Dr. J. G. BURDICK, Hospital

Hospital # Ward #

Date

History: (Including nature of exposure, actual time of exposure if known or surmised, and especially the last day or hour of exposure; character and time of onset of illness; course of illness and present status; previous pertinent medical history.)

"Passed out" while cleaning a gasoline storage tank for Humble Oil Co.

Physical Findings:

None other than 2nd degree burns

Laboratory Findings:

Impression:

Treatment: (specify dates)

Investigation Desired:

Note: The Kettering Laboratory makes a charge for reimbursement of the cost of services rendered on the customary professional basis of the economic status of the patient as determined by his physician.

KE 0017357