Doctor Robert A. Kehoe
University of Cincinnati College of Medicine
Kettering Laboratory of Applied Physiology
Eden Avenue
CINCINNATI 19 Ohio USA

Dear Bob,

At the institute we are planning to study the exposure to lead of workers at gasoline stations. I wonder if you have any experience on methods to analyze organic and inorganic lead separately in biological material such as blood and urine.

It was a great pleasure to meet you and Mrs Kehoe in Tokyo and I do hope that I will see you soon again. Please let me know if you will come to Europe and it would be a pleasure for me to invite you officially to lecture at this institute.

Kindest regards
Yours sincerely

Sven Forsman

We have done very little of the type of work that Dr. Forssman is planning to do. However there are a number of possibilities

(1) Differential solution: Use hexane, cyclohexane, or benzene to remove the organic lead. Presumably, inorganic salts and water will not be soluble. Blood should be taked before treatment.

(2) Determine lead in the organic layer with an appropriate analytical procedure.

(3) It might be possible to determine a specific organic lead compound by injecting appropriate volumes of the organic layer into a gas chromatograph