Elmer P. Wheeler, Medical Department
June 19, 1969

Preliminary Reports from Industrial Bio-Test

W. R. Richard
R. E. Keller/S. Tucker

Enclosed are copies of the first three reports from Bio-Test. These are:

FF

1. "Chicken residue studies on Aroclor and various materials."

2. "Thirty day tissue collection studies in albino rats with Aroclors."

3. "Four day fish toxicity studies on seven materials."

The first two of these are to be used in conjunction with any meaningful analytical studies done on the tissues.

6-24

The fish toxicity studies raise a number of questions, some of which I hope can be answered when there has been an opportunity to analyze the water samples which the laboratory sent to Scott. The numbers reported as being the lethal doses are real encouraging, if we could ever determine that the concentration in the fish tanks were actually at the levels indicated. In other words, if the concentration was greater than 100 parts per million and the fish survived this would really be something. We find it hard to believe, however that such a concentration would exist in the water even though a sufficient Aroclor dissolved in acetone was added to the water to establish such a concentration.

Scott
Please
let me know
as soon as
we have
the water
analyses.
Bob

The calculated lethal concentration of 0.66 parts per million for the 1242 and 1254 samples when bluegills were exposed adds only confusion if one considers the solubility limits of the Aroclors. Dr. Keplinger told me they repeated the experiment three times and got the same results in so far as the bluegill-Aroclor numbers are concerned.

I am sure we will want to go back to Bio-Test for further discussions of this report when we have some analytical data as to the concentration in the water as determined analytically--not calculated.

Elmer P. Wheeler

EPW:ju
Enclosure

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