December 2, 1970

Otis E. Fancher, Ph.D.
Industrial Bio-Test Laboratories, Inc.
1810 Frontage Road
Northbrook, Illinois 60062

Dear Otis:

On November 23, Bill Papageorge arranged to send you five pounds each of Aroclors 1221, 5432, 5442 and MCS 1016 and one pound of Aroclor 5460.

Will you please proceed with the following studies:

1. Acute studies including oral rat LD_{50} for Aroclors 1221, 5442 and MCS 1016.

2. Rabbits dermal MLD for Aroclors 1221, 5442 and MCS 1016.

3. Skin irritation potential rabbits intact skin for Aroclors 1221, 5442 and MCS 1016.

4. Eye irritation potential rabbits for Aroclors 1221, 5442 and MCS 1016.

5. Acute fish toxicity studies, two species, for all four compounds plus Aroclor 5460.

6. Acute vapor inhalation for Aroclor 1221 and MCS 1016.

For Aroclor 1221 we have previously found an oral LD_{50} in rats of approximately 3980 mg/kg and a skin MLD in rabbits greater than 2000 and less than 3160 when tested undiluted.

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Aroclor 5432, a 75% solution-suspension in corn oil, resulted in a rat approximate LD_{50} of 6,100 mg/kg. When applied undiluted to the skin of rabbits, the MLD was greater than 1260 and less than 2000. I would expect the MCS 1016 to be similar to Aroclor 1221.

I have enclosed two copies of a table which I hope you can fill out for me as a matter of convenience. Hand-writing would be perfectly acceptable. I think I have the costs correct from the notes we took the last time we met with you. I would appreciate your confirmation since I don't know how you adjusted for the control group cost of $2,100. I believe you agreed that we could use a single group of controls for these four materials.

We need to reach some agreement as to what kind of a protocol we should follow on the sub-acute fish toxicity studies and what the cost will be.

We will be happy to use your "BTL" numbers for these projects.

Finally, can you let me know what the results are of the acute fish toxicity studies on Aroclors 1242, 1254 and 1260. I don't think we have ever received the reports.

Sincerely,

Elmer P. Wheeler
Manager, Environmental Health

EPW:ju

Enclosure

c.c. Dr. Joseph C. Calandra
Mr. William B. Papageorge

P. S. Attached is a copy of a Younger report showing the acute screening data on Aroclor 5432 (although mistakenly identified in the report as 5430).

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