

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
CENTER FOR DISEASE CONTROL

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
ROBERT A. TAFT LABORATORIES
4676 COLUMBIA PARKWAY, CINCINNATI 45242

January, 1981

Refer I.D. No. 81135

Dear Mr. _____

In response to your request to be notified of the results of the determination of serum PCB levels, performed on blood drawn during the NIOSH survey of workers occupationally exposed to polychlorinated biphenyls in August 1977, we are providing the following information. Serum PCB levels, measured on blood drawn at the time of the survey, are reported here as "lower chlorinated biphenyls" (L-PCBs) and "higher chlorinated biphenyls" (H-PCBs). The L-PCBs are predominantly biphenyl molecules with 4 or fewer chlorine atoms per molecule, and the H-PCBs are predominantly biphenyl molecules with 5 or greater chlorine atoms per molecule.

At the time of the survey, your serum PCB levels were:

	Your serum level	Highest levels found among persons without occupational exposure
Lower chlorinated biphenyls (L-PCBs)	180 ppb	30 ppb
Higher chlorinated biphenyls (H-PCBs)	31 ppb	10 ppb

The "highest levels found among persons without occupational exposure" were chosen since 97.5 percent of workers not occupationally exposed to PCBs at the two utility companies, who participated in the survey, had serum L-PCB and H-PCB levels less than these values.

If you have any questions regarding these results, please do not hesitate to call me in Cincinnati at (513)-684-3593.

Sincerely yours,



Alexander Blair Smith, M.D.
Medical Officer
Medical Section
Industrywide Studies Branch
Division of Surveillance, Hazard
Evaluations, and Field Studies

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