



104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

January 9, 2002

Mr. Bernard P. Orlan
Director, Environmental Health & Safety
New York City Board of Education
28-11 Queens Plaza North
Long Island City, NY 11101-4008

**Re: Air Samples for Polychlorinated Biphenyls & Cyanide
P. S. 89M
ATC Project No. 15-19125-0297**

Dear Mr. Orlan:

ATC Associates Inc. (ATC) is pleased to provide this report of the results of air samples for polychlorinated biphenyls (PCBs) and cyanide collected on December 15, 2001, at the referenced location. The New York City Board of Education (BOE) requested these samples to evaluate possible contamination in the school building according to the recommendation of T. Fusillo of Environ Corp., consultant to the parents association..

SCOPE OF WORK

Tenzin Namgyal and Wagdi Abdelshahid, Industrial Hygienists of ATC's New York City office, collected the samples.

The PCB samples were collected using glass fiber filters and Florisil® tubes connected in series to battery-powered sampling pumps set at a flow rate of 0.2 liters per minute (lpm). The sampling time was ten (10) hours. The samples were analyzed by PSC Analytical Services, Inc. (PSC), an American Industrial Hygiene Association-accredited laboratory in Reading, PA. Analysis was performed according to NIOSH Method 5503 (gas chromatography/electron capture detector).

The cyanide sample was collected using a soda lime tube and a battery-powered pump at a flow rate of 0.2 lpm. Analysis was performed by PSC according to NIOSH Method 6010.

A copy of the laboratory report, giving both sets of results, is provided in the Attachment.

The sampling was performed consistent with generally accepted industrial hygiene practices. There were inherent limitations created by constraints of time, operational and work practice variability, variations in contaminant concentrations, and sampling and analytical accuracy. The results of the sampling represent conditions found on the dates the samples were collected.

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PCB SAMPLING RESULTS

ATC submitted three (3) samples for PCBs to PSC for analysis. PSC provided a lab blank. Each sample was analyzed for seven (7) PCBs with different chlorine contents. Samples were collected from locations specified by the parents association consultant. The locations of the samples were:

- Hallway by Cafeteria;
- Playground (east);
- Roof by air intake;

The PCB results were *below the limits of detection* (0.5 micrograms/sample) for all three samples.

CYANIDE SAMPLING RESULTS

One sample for hydrogen cyanide was collected in the hallway by the cafeteria. PSC provided a lab blank. *No cyanide was detected above the level found in the blank.*

It is our pleasure to provide these indoor environmental services to the New York City Board of Education. If you have any questions about this report, please call (212) 353-8280, extension 212 or 261.

Sincerely,
ATC ASSOCIATES INC.



James R. Cohn, CIH, CSP
Regional Manager
Industrial Hygiene Division

Attachment