



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

January 28, 2002

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

**Re: Air Sampling for Mercury
 Stuyvesant High School
 ATC Project No. 15-19125-0246**

Dear Mr. Orlan:

ATC Associates, Inc. (ATC) is pleased to provide this letter report of air sampling for mercury conducted on January 17, 2002, at the referenced school. The New York City Board of Education (BOE) requested this sampling at the recommendation of H. A. Bader, a consultant to the parents' association.

ATC collected three (3) samples for mercury vapor using Carulite® (Hydrar) tubes connected to battery-powered sampling pumps calibrated to collect 0.2 liters of air per minute. Two samples were collected indoors and one was collected on the roof. The samples were sent to PSC Analytical Services, Inc., an American Industrial Hygiene Association-accredited laboratory in Reading, PA. One blank tube was also submitted. Analysis was performed by means of a mercury analyzer according to NIOSH Method 6009. A copy of the analytical report is attached.

Mercury (Hg) was found at a trace level in each of the three samples. It was also detected in the blank. The following table presents the mercury data by sample location.

TABLE 1
Airborne Mercury (Hg) Concentrations
 January 17, 2002

Sample No. and Location	Hg per sample (micrograms)	Vol. (liters)	Hg Concentration (mg/m ³)*
Hg-1 1 st Floor Main Lobby	0.029	96	0.000302
Hg-2 2 nd floor bridge lobby	0.029	96	0.000302
Hg-3 Roof	0.028	96	0.000292
Hg-4 Blank	0.028	--	--

* Milligrams per cubic meter of air / Not blank corrected

Mr. Bernard P. Orlan
Air Sampling for Mercury
Stuyvesant High School

January 28, 2002

Page 2

ATC Project No. 15-19125-0246

After the samples are blank corrected, the maximum concentrations in the indoor samples and the outdoor sample fall below the limit of detection for the analysis.

There are currently no federal ambient air standards for mercury. The Occupational Safety and Health Administration's (OSHA) Permissible Exposure Limit (PEL) for mercury is 1.0 mg/10m³ (0.1mg/m³). This is considerably above the levels that were detected or that would otherwise be expected in a school/office setting and it is not an applicable standard for the student population.

ATC appreciates the opportunity to provide this indoor air quality service to the BOE. Please call me at (212) 353-8280 extension 212 if you have any questions.

Sincerely,
ATC Associates, Inc.



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

Attachment