

American Stock Exchange, 28 September 2001

86 Trinity Place & 22 Thames PCB in Air Results

Location	Air Volume Liters	Results $\mu\text{g}/\text{m}^3$
Main Trading Floor A	69	< 20
Main Trading Floor B	69	< 20
Harry's A	70	< 30
Harry's B	70	< 20
10 th floor central	57	< 20
9 th floor central	57	< 20
Red Room A	93	< 20
Red Room B	93	< 20

The polychlorinatedbiphenyls (PCBs) collected from the trading floors and collected from the 9th and 10th floor of 22 Thames Street are all below detectable limits. The polychlorinatedbiphenyls (PCBs) levels in the buildings are acceptable.

The polynuclear aromatic hydrocarbons (PAHs) are produced through combustion of fuels, found in fuels, plastics, and other building components. The PAHs in air samples were collected from areas considered representative of the building. Two samples were collected from the trading floors and one sample was collected from the 9th and 10th floor of 22 Thames Street to characterize the building and to accelerate the building screening process. The PAHs in air results are presented in the tables below.

86 Trinity Place, Main Trading Floor A, Polynuclear Aromatic Hydrocarbons in Air Results

Substance	CAS No.	Results $\mu\text{g}/\text{m}^3$
Acenaphthene	83-32-9	< 50
Acenaphthylene	208-96-8	< 50
Anthracene	120-12-7	< 50
Benzo(a)Anthracene	56-55-3	< 50
Benzo(b)Fluoranthene	205-99-2	< 50
Benzo(k)Fluoranthene	207-08-9	< 50
Benzo(a,b,i)Perylene	191-24-2	< 50
Benzo(a)Pyrene	50-32-8	< 50
Chrysene	218-01-9	< 50
Dibenzo(a,h) Anthracene	53-70-3	< 50

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Fluoranthene	206-44-0	< 50
Fluorene	86-73-7	< 50
Indeno(1,2,3-cd) Pyrene	193-39-5	< 50
Napthalene	91-20-3	< 50
Phenanthrene	85-01-8	< 50
Pyrene	129-00-0	< 50

86 Trinity Place, Main Trading Floor B, Polynuclear Aromatic Hydrocarbons in Air Results

Substance	CAS No.	Results $\mu\text{g}/\text{m}^3$
Acenaphthene	83-32-9	< 50
Acenaphthylene	208-96-8	< 50
Anthracene	120-12-7	< 50
Benzo(a)Anthracene	56-55-3	< 50
Benzo(b)Fluoranthene	205-99-2	< 50
Benzo(k)Fluoranthene	207-08-9	< 50
Benzo(a,h,i)Perylene	191-24-2	< 50
Benzo(a)Pyrene	50-32-8	< 50
Chrysene	218-01-9	< 50
Dibenzo(a,h) Anthracene	53-70-3	< 50
Fluoranthene	206-44-0	< 50
Fluorene	86-73-7	< 50
Indeno(1,2,3-cd) Pyrene	193-39-5	< 50
Napthalene	91-20-3	< 50
Phenanthrene	85-01-8	< 50
Pyrene	129-00-0	< 50

86 Trinity Place, Harry's Trading Floor A, Polynuclear Aromatic Hydrocarbons in Air Results

Substance	CAS No.	Results $\mu\text{g}/\text{m}^3$
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Acenaphthene	83-32-9	< 50
Acenaphthylene	208-96-8	< 50
Anthracene	120-12-7	< 50
Benzo(a)Anthracene	56-55-3	< 50
Benzo(b)Fluoranthene	205-99-2	< 50
Benzo(k)Fluoranthene	207-08-9	< 50
Benzo(a,h,i)Perylene	191-24-2	< 50
Benzo(a)Pyrene	50-32-8	< 50
Chrysene	218-01-9	< 50
Dibenzo(a,h) Anthracene	53-70-3	< 50
Fluoranthene	206-44-0	< 50
Fluorene	86-73-7	< 50
Indeno(1,2,3-cd) Pyrene	193-39-5	< 50
Napthalene	91-20-3	< 50
Phenanthrene	85-01-8	< 50
Pyrene	129-00-0	< 50

22 Thames Street Red Room Trading Floor B, Polynuclear Aromatic Hydrocarbons in Air Results

Substance	CAS No.	Results $\mu\text{g}/\text{m}^3$
Acenaphthene	83-32-9	< 50
Acenaphthylene	208-96-8	< 50
Anthracene	120-12-7	< 50
Benzo(a)Anthracene	56-55-3	< 50
Benzo(b)Fluoranthene	205-99-2	< 50
Benzo(k)Fluoranthene	207-08-9	< 50
Benzo(a,h,i)Perylene	191-24-2	< 50
Benzo(a)Pyrene	50-32-8	< 50
Chrysene	218-01-9	< 50
Dibenzo(a,h) Anthracene	53-70-3	< 50

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Fluoranthene	206-44-0	< 50
Fluorene	86-73-7	< 50
Indeno(1,2,3-cd) Pyrene	193-39-5	< 50
Napthalene	91-20-3	< 50
Phenanthrene	85-01-8	< 50
Pyrene	129-00-0	< 50

22 Thames Street 10th Floor Polynuclear Aromatic Hydrocarbons in Air Results

Substance	CAS No.	Results $\mu\text{g}/\text{m}^3$
Acenaphthene	83-32-9	< 50
Acenaphthylene	208-96-8	< 50
Anthracene	120-12-7	< 50
Benzo(a)Anthracene	56-55-3	< 50
Benzo(b)Fluoranthene	205-99-2	< 50
Benzo(k)Fluoranthene	207-08-9	< 50
Benzo(a,h,i)Perylene	191-24-2	< 50
Benzo(a)Pyrene	50-32-8	< 50
Chrysene	218-01-9	< 50
Dibenzo(a,h) Anthracene	53-70-3	< 50
Fluoranthene	206-44-0	< 50
Fluorene	86-73-7	< 50
Indeno(1,2,3-cd) Pyrene	193-39-5	< 50
Napthalene	91-20-3	< 50
Phenanthrene	85-01-8	< 50
Pyrene	129-00-0	< 50

22 Thames Street 10th Floor Polynuclear Aromatic Hydrocarbons in Air Results

Substance	CAS No.	Results $\mu\text{g}/\text{m}^3$
Acenaphthene	83-32-9	< 50

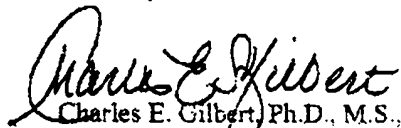
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Acenaphthylene	208-96-8	< 50
Anthracene	120-12-7	< 50
Benzo(a)Anthracene	56-55-3	< 50
Benzo(b)Fluoranthene	205-99-2	< 50
Benzo(k)Fluoranthene	207-08-9	< 50
Benzo(a,h,i)Perylene	191-24-2	< 50
Benzo(a)Pyrene	50-32-8	< 50
Chrysene	218-01-9	< 50
Dibenzo(a,h) Anthracene	53-70-3	< 50
Fluoranthene	206-44-0	< 50
Fluorene	86-73-7	< 50
Indeno(1,2,3-cd) Pyrene	193-39-5	< 50
Napthalene	91-20-3	< 50
Phenanthrene	85-01-8	< 50
Pyrene	129-00-0	< 50

The polynuclear aromatic hydrocarbons (PAHs) collected from the trading floors and collected from the 9th and 10th floor of 22 Thames Street are all below detectable limits. The polynuclear aromatic hydrocarbons (PAHs) levels in the buildings are acceptable.

Please contact me if you have questions at 631-580-3191 or facsimile 631-580-3195, or e-mail <chuckgilbert@envirohealth.org>.

Sincerely,


Charles E. Gilbert, Ph.D., M.S.,
Toxicologist & Epidemiologist

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TEM AIR SAMPLE RESULTS

CLIENT:	Tech Clean	SAMPLE DATE:	September 19, 2001 Page 3 of 3
PROJECT NAME:	American Stock Exchange 86 Trinity	RECEIVED DATE:	September 21, 2001
AREA:	Main Trading Floor	SAMPLER:	L. Savarese/C. Gilbert
CLIENT #:	00-10233	CUSTODY #:	B-04-06

Sample #	Sample Location	Start	End	Run Time minutes	Flow Rate Avg.	Volume Liters	Filter Conc. S/mm ²	Sensitivity S/cc	Air Conc. S/cc
TEM F23	12th Floor, Room 12-1	10:05	12:05	120	10	1200	0.0	0.0041	<Sensitivity
TEM F24	Harry Post 27 #1	12:14	2:15	135	10	1200	0.0	0.0041	<Sensitivity
TEM F25	Harry Post 27, Location 18	12:05	2:20	135	10	1350	0.0	0.0035	<Sensitivity
TEM F26	Harry Post 26, Location 30	12:05	2:20	135	10	1350	0.0	0.0035	<Sensitivity
TEM F27	Harry Post 25, Column 21	12:00	2:15	135	10	1350	0.0	0.0035	<Sensitivity
TEM F28	Harry Post 25, North Column	11:50	2:15	135	10	1350	0.0	0.0035	<Sensitivity

S=Asbestos structures, cubic centimeters, mm-millimeter
 <= less than, Flow Rate in liters per minute

Analyzed by: Date Analyzed:

Samples were analyzed using Philips 400T Transmission Electron Microscope. Asbestos identification is determined by the morphology, visual Selected Area Electron Diffraction (SAED), and Elemental Analysis using an Energy Dispersive X-ray Analyzer (EDAX).

Concentration on the filter is calculated by taking the number of asbestos structures and dividing by the area analyzed. Air concentration is calculated by multiplying the effective filter area (EFA) by the filter concentration and then dividing by the volume of air collected in cubic centimeters (cc).

The data pertaining to these calculations can be found on the Asbestos Count Sheet.

The air filter concentration relates only to air filter content. When samples are submitted by an outside agency for analysis, Enviroscience can only guarantee the accuracy of the filter concentration. This report may not be reproduced without the express permission of Enviroscience. This report can not be used to claim endorsement of products by NVLAP or any agency of the U.S. Government.

The samples collected in the response action area demonstrated a filter concentration of asbestos less than seventy structures per square millimeter. This response action is considered complete according to EPA 40 CFR 763.

A result of zero structures per square millimeter is only applicable to the area analyzed. Test results only reflect conditions at the time samples were taken.

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NVLAP # 2005310

TEM AIR SAMPLE RESULTS

CLIENT:	Tech Clean	SAMPLE DATE:	September 19, 2001 Page 2 of 3
PROJECT NAME:	American Stock Exchange 86 Trinity	RECEIVED DATE:	September 21, 2001
AREA:	Main Trading Floor	SAMPLER:	L. Savarese/C. Gilbert
CLIENT #:	00-10233	CUSTODY #:	B-04-06

Sample #	Sample Location	Start	End	Run Time minutes	Flow Rate Avg.	Volume Liters	Filter Conc. S/mm ²	Sensitivity S/cc	Air Conc. S/cc
TEM F12	No sample								
TEM F13	No sample								
TEM F14	No sample								
TEM F15	12th Floor, Room 1211	9:50	11:50	120	10	1200	0.0	0.0041	<Sensitivity
TEM F16	12th Floor, Room 1208	10:00	12:00	120	10	1200	0.0	0.0041	<Sensitivity
TEM F17	10th Floor South	10:15	12:15	120	10	1200	0.0	0.0041	<Sensitivity
TEM F18	10th Floor Central	10:30	1:45	195	10	1950	12.63	0.0025	0.0025
TEM F19	10th Floor Lobby/Receiving	10:35	1:45	190	10	1900	0.0	0.0026	<Sensitivity
TEM F20	7th Floor, Room 716	10:35	12:35	120	10	1200	0.0	0.0041	<Sensitivity
TEM F21	7th Floor Central	12:35	12:35	120	10	1200	0.0	0.0041	<Sensitivity
TEM F22	7th Floor, Room 708	10:30	12:30	120	10	1200	0.0	0.0041	<Sensitivity

S=Asbestos structures per cubic centimeters, num-millimeter
<= less than, Flow Rate in liters per minute

Analyzed by: *Edward M. Stettin* Date Analyzed: 9.22.01

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