



**Department of
Environmental
Protection**

59-17 Junction Boulevard
Corona, New York
11365-5107

**Joe A. Miele Sr., P.E.
Commissioner**

February 23, 2002

NYC BOE

**Subject: 292 GREENWICH STREET
PS234M
Second Notice**

Dear Sir/ Madam:

This is a follow-up to the NYC DEP request for copies of the environmental hazard assessments including bulk sample results and air monitoring results and a summary of clean-up activities at the above referenced site. To date, our office has not received the requested documents and information. They may be faxed to (718) 595 3744 or sent to the NYC DEP Asbestos Control Program at 59-17 Junction Boulevard, 8th floor, Corona, New York 11373-5108.

Please be advised building owners are responsible for the cleaning of building exteriors, grounds, and common areas. Due to changing conditions and continued activity at Ground Zero, building owners should periodically assess the condition of building exteriors and air conditioning systems for cleanliness and may have to periodically re-clean areas. Adherence to proper cleaning methods is important for the protection of public health and the environment. DEP inspectors will be following up on this matter.

If you have any questions, you may reach the Department at (718) 595-3682 during office hours or the 24-hour Help Center at (718) DEP-HELP. DEP staff is available to provide guidance and technical assistance.

Sincerely,

**R. Radhakrishnan, P.E.
Director
Asbestos Control Program**



(718) DEP-HELP

Feb. 25 2002 02:46PM P2

FAX NO. : 2331791

FROM : 234-M

Mar 4 2002 0:49 P.01

Fax:7183916462

EHS



February 7, 2002

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

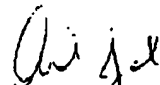
Re: Summary of Wipe and Air Sampling @
Public School 234 M
292 Greenwich Street
New York, New York 10007
ATC Project No. 15-19125-0279

Dear Mr. Orian:

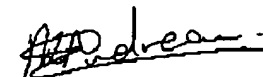
At your request, ATC Associates Inc. (ATC) is pleased to provide you with the general summary of results for the wipe and air sampling performed at PS 234 M. All the results were tabulated in the attached tables.

It is our pleasure to provide these wipe/air sampling services to the New York City Board of Education. If you have any questions about this report, please call (212) 353-8280, extension 261 or 298.

Sincerely,
ATC ASSOCIATES INC.


Arnel Javal
Project Manager

Reviewed by:


Andreas C. Andreou
Senior Project Manager

PUBLIC SCHOOL 234 M - RESPIRABLE PARTICULATES CONCENTRATION								
Date	Type of sampling	No. of readings	Number of indoor readings >40 to <65 $\mu\text{g}/\text{m}^3$ (24 hrs average)	Number of indoor readings >65 $\mu\text{g}/\text{m}^3$ (24 hrs average)	Range of indoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)	Average indoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)	Range of outdoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)	Average outdoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)
11/29/01	Direct Readings	61	41	0	32 - 59	43	62 and 65	61
11/30/01	Direct Readings	56	21	35	18 - 110	71	95 and 104	100
12/01/01	Direct Readings	61	0	0	24 - 34	30	86 and 18	17
12/02/01	Direct Readings	57	25	0	53 - 65	44	46 and 57	52
12/08/01 - 12/09/01	24-hours data				21 - 62	30	10 - 132	25
12/11/01 - 12/12/01	24-hours data				29 - 44	44	39 - 258	35
12/12/01 - 12/13/01	24-hours data				1 - 134	58	39 - 241	55
12/08/01	Direct Readings	24	0	1	13 - 68	27	20 - 35	26
12/09/01	Direct Readings	24	0	0	7 - 27	22	17 - 27	23
12/11/01	Direct Readings	24	3	0	18 - 53	36	45 - 61	51
12/12/01	Direct Readings	16	2	0	23 - 44	35	46 - 66	52
01/13/02	Direct Readings (outdoor samples)	2					20 and 23	22
01/16/02	Direct Readings (outdoor samples)	4					18 - 21	20
01/17/02	Direct Readings (outdoor samples)	4					43 - 46	45
01/18/02	Direct Readings (outdoor samples)	4					32 - 36	34
01/21/02	Direct Readings (outdoor samples)	4					62 - 64	64
01/22/02	Direct Readings	50	0	0	9 - 29	16	16 - 29	21
01/23/02	Direct Readings	60	0	0	8 - 28	14	15	15
01/24/02	Direct Readings	60	24	0	29 - 63	44	36 - 60	51
01/25/02	Direct Readings	60	0	0	16 - 30	21	11 - 29	19
01/29/02	Direct Readings	60	37	2	33 - 70	48	38 - 69	56
01/30/02	Direct Readings	60	45	1	40 - 70	48	13 - 69	40
01/31/02	Direct Readings	60	0	0	18 - 40	29	20 - 40	31
02/01/02	Direct Readings	60	11	0	19 - 60	35	33 - 90	64
02/04/02	Direct Readings	60	0	0	10 - 27	16	24 - 37	32
02/05/02	Direct Readings	60	0	0				
02/06/02	Direct Readings	60	0	0	16 - 32	21	36 - 40	38

PUBLIC SCHOOL 234 M														
Date	LEAD-IN-DUST-WIPE SAMPLE		MERCURY	PCB's AND CYANIDE	SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS		
	# of Sample	Lead Conc. On Floor (ug/l ²)			Lead Conc. On Window Sill (ug/l ²)	Mercury Conc. (ng/m ³)		Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.
11/29/01	40												3 HC air samples collected, HC found above detection limits Total Other Dihalogenated = 0.095 - 0.022 ppm.	1 HC air sample collected = Non Detected
11/29/01													3 HC air samples collected, HC found above detection limits Total Other Dihalogenated = 0.28 - 5 ppm. Total Other Dihalogenated = 0.004 ppm. Ethylbenzene = 0.061 ppm Xylenes = 0.294 ppm	1 HC air sample collected = Non Detected
12/01/01													3 HC air samples collected, HC found above detection limits Total Other Dihalogenated = 0.346 ppm Ethylbenzene = 0.129 ppm Xylenes = 0.154 ppm Styrene = 0.026 ppm Total Other Dihalogenated = 0.659 ppm	1 HC air sample collected = Non Detected

PUBLIC SCHOOL 234 M																
Date	LEAD-IN-DUST-WIPE SAMPLE		MERCURY	PCB'S AND CYANIDE	SILICA (RESPIRABLE DUST)	FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND AROMATIC HYDROCARBONS (PAH's)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS					
	# of Sample	Lead Conc. On Floor (ug/ft ²)					Lead Conc. On Window Sill (ug/ft ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Plenum Conc.
12/02/01													3 HC air samples collected. 1 HC found above detection limit is: Total Other D Hydrocarbons = 0.158 - 0.308 ppm	1 HC air sample collected = None Detected		
12/05/01													4 HC air samples collected. 1 HC found above detection limit is: Total Other D Hydrocarbons = 0.054 ppm and Acetone = 0.116 ppm in lobby. Total Other B Hydrocarbons = 0.051 ppm in 2nd floor hallway. Total Other B Hydrocarbons = 0.051 ppm and Acetone = 0.101 ppm in room 315.	4 HC air sample collected. 1 HC found above detection limit is: Acetone = 0.347 ppm		
12/06/01													8 Air Sample for metals. The metals that were found above the limit of detection were aluminum, chromium, copper, iron, and magnesium. All of the metals found in dust were also detected in air. The indoor concentrations were comparable to or less than the outdoor concentrations.			

PUBLIC SCHOOL 234M															
LEAD-IN-DUST-WIPE SAMPLE				MERCURY	PCB'S AND CYANIDE	SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS		
Date	# of Sample	Lead Conc. On Floor (ug/n ²)	Lead Conc. On Window Sill (ug/n ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surface Range of Conc.	Air Plenum Conc.	Indoor Readings	Outdoor Reading	
11/6/01					2 outdoor air samples for Cyanide were collected. Cyanide conc. range from 0.0021 - 0.0022 mg/m ³ . 10 air samples (4 indoors and 6 outdoors) were collected. No PCB's were found above the limit of detection in any of the samples. 10 indoor wipe samples of PCB's were collected. Results of all samples were below the reporting limit of 2.0 micrograms per sample.				4 air sample of PAHs were collected. PAHs collected were: 1-phenanthrene = 0.00021 to 0.00024 mg/m ³ 2-phenanthrene = 0.00024 to 0.00024 mg/m ³ Naphthalene = 0.00021 mg/m ³ 10 wipe samples of PAHs were collected. Results of all samples were below the reporting limit of 5.0 micrograms per sample.	4 air sample of PAHs were collected. PAHs collected were: 1-phenanthrene = 0.00021 to 0.00024 mg/m ³ 2-phenanthrene = 0.00024 to 0.00024 mg/m ³ Naphthalene = 0.00021 mg/m ³ 4 indoor air samples for dioxin were collected. Indoor dioxin ranged from 0.0000278 to 0.000033 ug/m ³ .	18 wipe samples of dioxin were collected. The concentration on kitchen surfaces ranged from 0.08 to 0.41 ug/m ² . 4 indoor air samples for dioxin were collected. Indoor dioxin ranged from 0.0000278 to 0.000033 ug/m ³ .	4 outdoor air samples for dioxin were collected. Outdoor dioxin ranged from 0.08 to 0.41 ug/m ² . 4 indoor air samples for dioxin were collected. Indoor dioxin ranged from 0.0000278 to 0.000033 ug/m ³ .	Extractable levels of eleven metals were found in the samples from 10 kitchen surfaces (wipe samples).	None collected	
11/27/01				8 air samples for mercury were collected. Mercury was not found at levels greater than that found in the blank.											

PUBLIC SCHOOL 234 H																	
LEAD-IN-DUST-WIPE SAMPLE				MERCURY		PCB'S AND CYANIDE		SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES		TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS	
Date	# of Sample	Lead Conc. On Floor (ug/l ²)	Lead Conc. On Window Sill (ug/l ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Platinum Conc.	Indoor Readings	Outdoor Reading			
12/8/01					2 outdoor air samples for Cyanide were collected. Cyanide conc. range from 0.0021 - 0.0022 mg/m ³ . 10 air samples (4 indoors/6 outdoors) were collected. No PCB's were found above the limit of detection in any of the samples.				4 air sample of PAHs were collected. PAHs detected were: 1-benzopyrene = 0.0024 mg/m ³ 2-benzopyrene = 0.0021 mg/m ³ Naphthalene = 0.0029 mg/m ³	4 air sample of PAHs were collected. PAHs detected were: 1-benzopyrene = 0.0024 mg/m ³ 2-benzopyrene = 0.0021 mg/m ³ Naphthalene = 0.0029 mg/m ³				5 Air Sample for metal. The results that were found above the limit of detection were (nanograms and support). All of the metals found indoors were also detected outdoors. The indoor concentrations were comparable to or lower than the outdoor concentrations.			
12/8/01				8 air samples for mercury were collected. Mercury was not found at levels greater than that found in the blank.							4 indoor air samples for dioxin were collected. Indoor dioxin ranged from 0.000078 to 0.000028 ng/m ³ .	4 outdoor air samples for dioxin were collected. Outdoor dioxin ranged from 0.000028 to 0.000073 ng/m ³ .	8 HC (4 indoors/4 outdoors) air sample were collected = None of the HC's in the panel were greater than the limit of detection.				
12/11/01					2 outdoor air samples for Cyanide were collected. Cyanide conc. range from				4 air sample of PAHs were collected. PAHs detected were: 1-benzopyrene =	4 air sample of PAHs were collected. PAHs detected were: 1-benzopyrene =			8 HC (4 indoors/4 outdoors) air sample were collected = None of the HC's in the panel were greater than the limit of detection.				

PUBLIC SCHOOL 214 M																	
LEAD-IN-DUST-WIPE SAMPLE			MERCURY		PCB's AND CYANIDE		SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES		TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)			DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS	
Date	# of Sample	Lead Conc. On Floor (ug/l ¹)	Lead Conc. On Window Sill (ug/l ¹)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Plenum Conc.	Indoor Readings	Outdoor Reading			
					0.0021 - 0.0022 mg/m ³ 8 air samples (4 indoors/4 outdoors) were collected. No PCB's were found above the limit of detection in any of the samples.				= 0.00023 to 0.00029 mg/m ³ 2-Naphthylamine = 0.00026 to 0.00036 mg/m ³ Naphthalene = 0.00023 to 0.00047 mg/m ³	was: Naphthalene = 0.00026 to 0.00032 mg/m ³			4 air sample for metals were collected. Chromium = 0.180 ug/m ³ Copper = 0.145 - 0.051 ug/m ³ 0.198 - 0.267 ug/m ³ Copper = 0.233 ug/m ³				
12/12/04				8 air samples for mercury were collected. Mercury was not found at levels greater than that found in the blank.							4 indoor air samples were collected. Indoor air in conc. ranged from 0.0000013 to 0.0000035 mg/m ³ .	4 outdoor air samples were collected. Outdoor air conc. ranged from 0.000001 to 0.000002 mg/m ³ .					
12/13/04									4 indoor air samples for TVOC were collected. The range of TVOC's found were: Benzene (0.6 to 0.9 ppb), Ethylbenzene (0.3 to 1 ppb), Heptane (0.7 ppb), Tetraethoxyethylene (0.2 - 0.9 ppb), Toluene (0.6 - 2.8 ppb), and Xylenes (1 - 4.7 ppb).	One outdoor air sample was collected. TVOC's found were: Benzene (0.5 ppb) and Toluene (1.0 ppb).							

PUBLIC SCHOOL 234 M															
Date	LEAD-IN-DUST-WIPE SAMPLE			MERCURY	PCB'S AND CYANIDE	SILICA (RESPIRABLE DUST)	FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS			
	# of Sample	Lead Conc. On Floor (ug/ft ²)	Lead Conc. On Window Sill (ug/ft ²)					Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.
12/18/01								4 air sample for fungal spores were collected. Results: Amplified fungal growth has occurred in the ceiling in the west sampled basement sump pump room (hallway by B-41, Room 312, and under).							
01/05/02	3	Below Guideline Level (Collected inside the distribution air ducts)													
01/16/02															3 outdoor wipe samples for metals were collected. Eight metals were detected in all three samples.

PUBLIC SCHOOL 234 M														
LEAD-IN-DUST-WIPE SAMPLE				MERCURY	PCB's AND CYANIDE	SILICA (RESPIRABLE DUST)	FIBER GLASS AND FUNGAL SPORES		TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS	
Date	# of Sample	Lead Conc. On Floor (ug/m ²)	Lead Conc. On Window Sill (ug/m ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Plenum Conc.	Indoor Readings	Outdoor Reading
03/22/02	7	Below Guidance Level	Below Guidance Level	3 wet samples for mercury were collected. Mercury was not detected at levels greater than limit detected in the blurb.		All of the samples were reported to be below the detection limit for silica except for the sample collected in the cafeteria. The sample was reported to be at the detection limit of 10 micrograms per sample.		7 sealed dust bulk samples for fibers was collected. All 7 samples contain fiberglass fibers ranging from 1 - 27%.					2 indoor air samples of trioxide collected. Chromium was the only metal that was detected in all of the samples. Blank swabs for the samples in all lower the Cr concentrations to below the detection limit.	1 indoor air sample of trioxide collected. Chromium was the only metal that was detected in all of the samples. Blank swabs for the samples in all lower the Cr concentrations to below the detection limit.
4/12/02					2 wipe samples were collected for PCBs. All samples results were below the reporting limits of 2.0 micrograms per sample.									
6/12/02	7	Below Guidance Level	Below Guidance Level					5 indoor sealed dust bulk samples do not contain fiberglass fibers.						



February 7, 2002

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

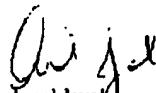
Re: Summary of Wipe and Air Sampling @
Public School 234 M
292 Greenwich Street
New York, New York 10007
ATC Project No. 15-19125-0279

Dear Mr. Orian:

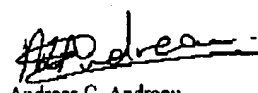
At your request, ATC Associates Inc. (ATC) is pleased to provide you with the general summary of results for the wipe and air sampling performed at PS 234 M. All the results were tabulated in the attached tables.

It is our pleasure to provide these wipe/air sampling services to the New York City Board of Education. If you have any questions about this report, please call (212) 353-8280, extension 261 or 298.

Sincerely,
ATC ASSOCIATES INC.


Ariel Javal
Project Manager

Reviewed by:


Andreas C. Andreou
Senior Project Manager

PUBLIC SCHOOL 234 XI - RESPIRABLE PARTICULATES CONCENTRATION									
Date	Type of sampling	No. of readings	Number of indoor readings >40 to ≤65 $\mu\text{g}/\text{m}^3$ (24 hrs average)	Number of indoor readings >65 $\mu\text{g}/\text{m}^3$ (24 hrs average)	Range of indoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)	Average indoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)	Range of outdoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)	Average outdoor respirable particulates concentration ($\mu\text{g}/\text{m}^3$)	
11/29/01	Direct Readings	61	41	0	32 - 59	43	62 and 65	61	
11/30/01	Direct Readings	56	21	35	48 - 110	71	95 and 104	101	
12/01/01	Direct Readings	61	0	0	24 - 33	30	16 and 18	17	
12/02/01	Direct Readings	57	25	0	33 - 65	44	46 and 57	52	
12/08/01 - 12/09/01	24-hour data				21 - 62	30	10 - 132	25	
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01/13/02	Direct Readings (outdoor samples)	2					20 and 23	22	
01/16/02	Direct Readings (outdoor samples)	4					18 - 21	20	
01/17/02	Direct Readings (outdoor samples)	4					43 - 46	45	
01/18/02	Direct Readings (outdoor samples)	4					32 - 36	34	
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01/22/02	Direct Readings	50	0	0	9 - 29	16	16 - 29	21	
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01/29/02	Direct Readings	60	37	2	33 - 70	48	38 - 69	56	
01/30/02	Direct Readings	60	45	1	40 - 70	48	13 - 69	40	
01/31/02	Direct Readings	60	0	0	18 - 40	29	20 - 40	33	
02/01/02	Direct Readings	60	11	0	19 - 60	35	53 - 90	64	
02/04/02	Direct Readings	60	0	0	10 - 27	16	24 - 37	32	
02/05/02	Direct Readings	60	0	0					
02/06/02	Direct Readings	60	0	0	16 - 32	23	36 - 40	38	

PUBLIC SCHOOL 234 M														
Date	LEAD-IN-DUST-WIPE SAMPLE			MERCURY	PCB's AND CYANIDE	SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS	
	# of Sample	Lead Conc. On Floor (ug/ft ²)	Lead Conc. On Window Sill (ug/ft ²)	Mercury Conc. (ng/ft ²)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Pinnin Conc.	Indoor Readings	Outdoor Reading
11/29/01	40	Below Guidance Level	Below Guidance Level										3 HC air samples collected. HC found above detection limits are: Total Other B Hydrocarbons = 0.095 - 0.323 ppm.	1 HC air sample collected = Non Detected
11/29/01													3 HC air samples collected. HC found above detection limits are: Total Other B Hydrocarbons = 0.28 - 5 ppm. Trichloroethylene = 0.016 ppm. Ethylbenzene = 0.061 ppm Xylenes = 0.294 ppm	1 HC air sample collected = Non Detected
12/01/01													3 HC air samples collected. HC found above detection limits are: Trichloroethylene = 0.346 ppm Chlorobenzene = 4.129 ppm Ethylbenzene = 0.154 ppm Styrene = 4.876 ppm Xylene = 0.659 ppm Total Other B Hydrocarbons = 16.6 ppm	1 HC air sample collected = Non detected

PUBLIC SCHOOL 234 M														
Date	LEAD-IN-DUST-WIPE SAMPLE			MERCURY	PCB's AND CYANIDE	SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAH's)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS	
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12/2/01													3 HC air samples collected, 1 HC found above detection limits in: Total Outdoor Hydrocarbons = 0.158 - 0.308 ppm	1 HC air sample collected = None Detected
12/6/01													4 HC air samples collected, 1 HC found above detection limit in: Total Outdoor Hydrocarbons = 0.054 ppm and Acetone = 4.116 ppm in cell. Total Outdoor Hydrocarbons = 0.053 ppm in 2 nd Floor Hallway Total Outdoor Hydrocarbons = 0.051 ppm and Acetone = 0.181 ppm in room 315.	4 HC air sample collected, 1 HC found above detection limit in: Total Outdoor Hydrocarbons = 0.054 ppm and Acetone = 4.116 ppm in cell. Total Outdoor Hydrocarbons = 0.053 ppm in 2 nd Floor Hallway Total Outdoor Hydrocarbons = 0.051 ppm and Acetone = 0.347 ppm
12/5/01													8 Air Sample for metals. The metals that were found above the limits of detection were aluminum, chromium, copper, iron, and magnesium. All of the metals found in doors were also detected elsewhere. The indoor concentrations were comparable to or lower than the outdoor concentrations.	8 Air Sample for metals. The metals that were found above the limits of detection were aluminum, chromium, copper, iron, and magnesium. All of the metals found in doors were also detected elsewhere. The indoor concentrations were comparable to or lower than the outdoor concentrations.

PUBLIC SCHOOL 234 M														
Date	LEAD-IN-DUST-WIPE SAMPLE			MERCURY	PCB'S AND CYANIDE	SILICA (RESPIRABLE DUST)	FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS		
	# of Sample	Lead Conc. On Floor (ug/m ²)	Lead Conc. On Window Sill (ug/m ²)					Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading
12/6/01					2 outdoor air samples for Cyanide were collected. Cyanide conc. range from 0.0021 - 0.0022 mg/m ³ . 10 air samples (4 indoors and 6 outdoors) were collected. No PCB's were found above the limit of detection in any of the samples. 10 indoor wipe samples of PCBs were collected. Results of all samples were below the reporting limit of 2.0 micrograms per sample.				4 air sample of PAHs were collected. PAHs detected were: 1-Naphthalene = 0.00021 to 0.00049 mg/m ³ 2-Naphthalene = 0.00024 to 0.00062 mg/m ³ Phenanthrene = 0.00021 to 0.00060 mg/m ³ 10 wipe samples of PAHs were collected. Results of all samples were below the reporting limit of 5.0 micrograms per sample.	4 air sample of PAHs were collected. PAHs detected were: Naphthalene = 0.00021 mg/m ³	18 wipe samples of dioxins were collected. The concentration on indoor surfaces ranged from 0.00 to 0.41 ng/m ² . 4 indoor air samples for dioxin were collected. Indoor dioxin ranged from 0.000072 to 0.000125 ng/m ³ .	4 outdoor air samples for dioxin were collected. Outdoor dioxin ranged from 0.000025 to 0.000071 ng/m ³ .	Microsamples of dioxin metals were found in the samples from 40 interior surfaces (wipe sample).	None collected
12/07/01				8 air samples for mercury were collected. Mercury was not found at levels greater than that found in the blank.										

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LEAD-IN-DUST-WIPE SAMPLE				MERCURY		PCB'S AND CYANIDE		SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES		TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS	
Date	# of Sample	Lead Conc. On Floor (ug/l ²)	Lead Conc. On Window Sill (ug/l ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Plenum Conc.	Indoor Readings	Outdoor Reading			
12/8/01					2 outdoor air samples for Cyanide were collected. Cyanide conc. range from 0.0021 - 0.0022 mg/m ³ . 10 air samples (4 indoors/6 outdoors) were collected. No PCB's were found above the limit of detection in any of the samples.				4 air sample of PAHs were collected. PAHs detected were: 1-benzopyrene = 0.0024 mg/m ³ 2-benzofluoranthene = 0.0031 ug/m ³ Naphthalene = 0.0021 to 0.0040 mg/m ³ .	4 air sample of PAHs were collected. PAHs detected were: Naphthalene = 0.0024 to 0.0029 mg/m ³ .				8 Air Sample for metals. The metals that were found above the limit of detection were Chromium and Copper. All of the metals found indoors were also detected outdoors. The indoor concentrations were comparable to or lower than the outdoor concentrations.			
12/8/01				8 air samples for mercury were collected. Mercury was not found at levels greater than that found in the blank.							4 indoor air samples for dioxin were collected. Indoor dioxin ranged from 0.000078 to 0.00008 mg/m ³ .	4 outdoor air samples for dioxin were collected. Outdoor dioxin ranged from 0.000078 to 0.000073 ug/m ³ .	8 HC (4 indoors/4 outdoors) air sample were collected = None of the HC's in the panel were present above the limits of detection.				
12/11/01					2 outdoor air samples for Cyanide were collected. Cyanide conc. range from				4 air sample of PAHs were collected. PAHs detected were: 1-benzopyrene =	4 air sample of PAHs were collected. PAHs detected were: Naphthalene =			8 HC (4 indoors/4 outdoors) air sample were collected = None of the HC's in the panel were present above the limits of detection.				

PUBLIC SCHOOL 234 M										
LEAD-IN-DUST-WIPE SAMPLE			MERCURY		PCB's AND CYANIDE		SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES	
Date	# of Sample	Lead Conc. On Floor (ug/n ²)	Lead Conc. On Window Sill (ug/n ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading
					0.0021 - 0.0022 mg/m ³ 8 air samples (4 indoors, 4 outdoors) were collected. No PCB's were found above the limit of detection in any of the samples.				Indoor Readings = 0.00022 to 0.00029 mg/m ³ , 2-Methylcholine = 0.00026 to 0.00032 mg/m ³ , Naphthalene = 0.00023 to 0.00047 mg/m ³ .	was: Naphthalene = 0.00026 to 0.00032 mg/m ³ .
12/12/01				8 air samples for mercury were collected. Mercury was not found at levels greater than that found in the blank.					4 indoor air samples were collected. Indoor dust in conc. ranged from 0.0000013 to 0.0000035 mg/m ³ .	4 outdoor air samples were collected. Outdoor dust in conc. ranged from 0.000001 to 0.000002 mg/m ³ .
12/15/01									4 indoor air samples collected. The range of TVOC's found were: Benzene (0.6 to 0.9 ppb), Ethylbenzene (0.3 to 1 ppb), Toluene (0.7 to 1.2 ppb), Xylenes (0.6 to 2.8 ppb), and Xylenes (1 - 4.7 ppb).	One outdoor air sample was collected. TVOC's found were: Benzene (0.3 ppb) and Toluene (1.0 ppb).

HYDROCARBONS (HC) AND METALS

DIOXINS SAMPLES

TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)

FIBER GLASS AND FUNGAL SPORES

SILICA (RESPIRABLE DUST)

PCB's AND CYANIDE

MERCURY

LEAD-IN-DUST-WIPE SAMPLE

Outdoor Reading

Indoor Readings

Air Plenum Conc.

Indoor Surfaces Range of Conc.

Outdoor Reading

Indoor Readings

Results

Range of Indoor Conc. (mg/m³)Range of Outdoor Conc. (mg/m³)

Concentration

Mercury Conc. (mg/m³)Lead Conc. On Floor (ug/n²)Lead Conc. On Window Sill (ug/n²)

of Sample

Date

4 air samples for metals were collected.
Chromium = 0.180 ug/m³
Copper = 0.185 - 0.951 ug/m³
Chromium = 0.194 - 0.207 ug/m³
Copper = 0.211 ug/m³

4 air samples for metals were collected.
Chromium = 0.180 ug/m³
Copper = 0.185 - 0.951 ug/m³
Chromium = 0.194 - 0.207 ug/m³
Copper = 0.211 ug/m³

4 outdoor air samples were collected. Outdoor dust in conc. ranged from 0.0000013 to 0.0000035 mg/m³.

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8 air samples for mercury were collected. Mercury was not found at levels greater than that found in the blank.

8 air samples (4 indoors, 4 outdoors) were collected. No PCB's were found above the limit of detection in any of the samples.

0.0021 - 0.0022 mg/m³
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	# of Sample	Lead Conc. On Floor (ug/ft²)	Lead Conc. On Window Sill (ug/ft²)					Mercury Conc. (mg/m³)	Concentration	Range of Indoor Conc. (mg/m³)	Range of Outdoor Conc. (mg/m³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.
12/18/01									1.41 sample for Fungal spores were collected. Results: Amplified fungal growth is not occurring in the areas sampled (to basement sweep pump room, hallway by B-41, Room 112, and outdoors).						
01/03/02	3	Below Guidance Level (Collected inside the distribution air ducts)													
01/16/02															3 outdoor wipe samples for metals were collected. Eight metals were detected in all three samples

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PUBLIC SCHOOL 234 N														
LEAD-IN-DUST-WIPE SAMPLE				MERCURY	PCB'S AND CYANIDE	SILICA (RESPIRABLE DUST)		FIBER GLASS AND FUNGAL SPORES	TOXIC ORGANIC COMPOUND (TVOC), AND POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)		DIOXINS SAMPLES		HYDROCARBONS (HC) AND METALS	
Date	# of Sample	Lead Conc. On Floor (ug/n ²)	Lead Conc. On Window Sill (ug/n ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (mg/m ³)	Range of Outdoor Conc. (mg/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Plenum Conc.	Indoor Readings	Outdoor Reading
03/23/02	7	Below Guidance Level	Below Guidance Level	3 air samples for mercury were collected. Mercury was not detected at levels greater than limit detected in the blank.		All of air samples were reported to be below the detection limit for silica except for the sample collected in the cafeteria. The sample was reported to be at the detection limit of 10 micrograms per sample.		7 settled dust bulk samples for fibers were collected. All 7 samples contain fiberglass fibers ranging from 1 - 27%.					2 indoor air samples of metals collected. Chromium was the only metal that was detected in all of the samples. Blank sampling the samples will lower the Cr concentrations to below the detection limit. 2 air sample of HIC were collected. None were detected above the limits of detection for the analyses.	1 indoor air sample of metals collected. Chromium was the only metal that was detected in all of the samples. Blank sampling the samples will lower the Cr concentrations to below the detection limit. 2 air sample of HIC were collected. None were detected above the limits of detection for the analyses.
4/12/02					2 wipe samples were collected for PCBs. All samples results were below the reporting limits of 2.0 micrograms per sample.									
01/29/02	7	Below Guidance Level	Below Guidance Level					5 indoor settled dust bulk samples do not contain fiberglass fibers.						