

PUBLIC SCHOOL 234 M - RESPIRABLE PARTICULATES CONCENTRATION								
Date	Type of sampling	No. of readings	Number of indoor readings >40 to ≤65 µg/m ³ (24 hrs average)	Number of indoor readings >65 µg/m ³ (24 hrs average)	Range of indoor respirable particulates concentration (µg/m ³)	Average indoor respirable particulates concentration (µg/m ³)	Range of outdoor respirable particulates concentration (µg/m ³)	Average outdoor respirable particulates concentration (µg/m ³)
11/29/01	Direct Readings	61	41	0	32 - 59	43	62 and 65	61
11/30/01	Direct Readings	56	21	33	48 - 110	71	95 and 104	100
12/01/01	Direct Readings	61	0	0	24 - 38	30	16 and 18	17
12/02/01	Direct Readings	57	25	0	37 - 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 - 238	55
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 - 55	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					12 - 36	34
01/21/02	Direct Readings (outdoor samples)	4					62 - 64	64
01/22/02	Direct Readings	60	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 - 65	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 - 46	29	20 - 46	33
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														
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/ft ²)	Lead Conc. On Window Sill (ug/ft ²)	Mercury Conc. (ng/10 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 Ptenum 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 B1 hydrocarbons = 0.095 - 0.322 ppm.	1 HC air sample collected = Non Detected
11/28/01													3 HC air samples collected. HC found above detection limits are: Total Other B1 hydrocarbons = 0.73 - 1 ppm. Tetrachloroethylene = 0.034 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: Tetrachloroethylene = 0.346 ppm Chlorobenzene = 4.129 ppm Ethylbenzene = 6.154 ppm Styrene = 4.076 ppm Xylene = 0.859 ppm Total Other B1 Hydrocarbons = 16.6 ppm.	1 HC air sample collected = Non detected

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Date	# 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. (ng/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
12/02/01													3 HC air samples collected. HC found above detection limits is: Total Other PAH Hydrocarbons = 0.158 - 0.308 ppm	1 HC air sample collected = None Detected
12/05/01													4 HC air samples collected. HC found above detection limits is: Total Other PAH Hydrocarbons = 0.051 ppm and Acetone = 0.116 ppm in cafeteria. Total Other PAH Hydrocarbons = 0.053 ppm in 2 nd Floor Hallway. Total Other PAH Hydrocarbons = 0.051 ppm and Acetone = 0.101 ppm in room 315.	4 HC air sample collected. 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 limits of detection were aluminum, chromium, copper, iron, and magnesium. All of the metals found indoors were also detected outdoors. The indoor concentrations were comparable to or lower than the outdoor concentrations.	

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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/n ²)	Lead Conc. On Window Sill (ug/n ²)	Mercury Conc. (mg/m ³)	Concentration	Range of Indoor Conc. (ng/m ³)	Range of Outdoor Conc. (ng/m ³)	Results	Indoor Readings	Outdoor Reading	Indoor Surfaces Range of Conc.	Air Plenum Conc.	Indoor Readings	Outdoor Reading
12/6/01					2 outdoor air samples for Cyanide were collected. Cyanide conc. range from 0.0021 - 0.0022 ng/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-Methylnaphthalene = 0.00021 to 0.00049 ng/m ³ , 2-Methylnaphthalene = 0.00024 to 0.00052 ng/m ³ , Naphthalene = 0.00021 to 0.00060 ng/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 was: Naphthalene = 0.00021 ng/m ³ .	10 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 0.00000728 to 0.000028 ng/m ³ .	4 outdoor air samples for dioxin were collected. Outdoor dioxin ranged from 0.000028 to 0.000071 ng/m ³ .	Detectable levels of eleven metals were found in the samples from 10 interior surfaces (wipe samples).	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/4 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-Methylnaphthalene = 0.0024 mg/m ³ . 2-Methylnaphthalene = 0.0031 to 0.0037 mg/m ³ . Naphthalene = 0.0021 to 0.0040 mg/m ³ .	4 air sample of PAHs were collected. PAHs detected was: Naphthalene = 0.0024 to 0.0029 mg/m ³ .			8 Air Sample for metals. The metals that were found above the limits 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.	
12/9/01				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 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-Methylnaphthalene	4 air sample of PAHs were collected. PAHs detected			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.	

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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
					0.0021 - 0.0022 ng/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.				= 0.00022 to 0.00029 mg/m ³ , 2-Methylnaphthalene = 0.00026 to 0.00036 mg/m ³ , Naphthalene = 0.00028 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 = 0.185 - 0.951 ug/m ³	4 air samples for metals were collected. Chromium = 0.198 - 0.207 ug/m ³ Copper = 0.233 ug/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 dioxin conc. ranged from 0.0000013 to 0.0000015 ng/m ³ .	4 outdoor air samples were collected. Outdoor dioxin conc. ranged from 0.0000014 to 0.0000022 ng/m ³ .		
12/15/01									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), Tetrachloro ethylene (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 (0.3 ppb) and Toluene (1.0 ppb).				

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Date	# 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 Filter Conc.	Indoor Readings	Outdoor Reading
12/1/01								1 air sample for fungal spores were collected. Results: Amplified fungal growth is not occurring in the areas sampled (basement sump pump room, hallway by B-11, Room 322, and outdoors).						
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

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Date	# 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.	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 that detected in the blank.		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 settled dust bulk samples for fiberglass 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 correcting the samples will lower the Cr concentrations to below the detection limits. 2 air sample of HC 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 correcting the samples will lower the Cr concentrations to below the detection limits. 1 air sample of HC were collected. None were detected above the limits of detection for the analyses.
01/23/02					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.						