

September 23, 2023
Project No.: MA-105-23

Mr. Hady Elsayed, EMBA, PMP
Director of Planning, Design and Construction
Grand Rapids Public Schools
900 Union, NE
Grand Rapids, Michigan 49503



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Gowen, Michigan 49326
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RE: Report for Asbestos Contractor Oversight & Air Quality Clearance Testing
Congress Elementary School

Dear Mr. Elsayed:

MicroAir Consulting, LLC (MicroAir) was retained by Grand Rapids Public Schools. (GRPS) to conduct third party asbestos contractor oversight and asbestos air quality testing including PCM and TEM air clearance sampling at Congress Elementary School (Congress) located at 940 Baldwin Street SE in Grand Rapids, Michigan. The air sampling was conducted during and after drilling into plaster wall and ceiling material for HVAC installation. Asbestos air quality sampling was conducted, during abatement activities, between June 12 and September 20, 2023.

Scope of Work

The scope of MicroAir's services included oversight of the asbestos abatement contractor and the collection of asbestos air quality clearance samples for airborne asbestos fibers and final visual inspections of work areas.

Worker Certifications

HBC Contracting (GFL Environmental) provided a crew of 6-8 asbestos abatement workers during the drilling activities. All abatement personnel had completed a minimum of 32 hours of training in the health and safety aspects of asbestos, as required, and were accredited under Michigan Public Act 135 (1986). In addition, HBC personnel were reported to have been medically examined, as specified in Occupational Safety and Health Administration regulation 29 CFR 1926.1101, which includes a chest X-ray within the past five years and a pulmonary function test. The Global Green foremen had received approved 40-hour Asbestos Contractor Supervisor training, an 8-hour refresher course within the past year and were accredited as a "Competent Person" in the State of Michigan.

Engineering Controls and Work Practices

The methods of asbestos activities complied with relevant state and federal regulations. Work areas were isolated prior to asbestos activities. Shrouded drilling equipment was utilized using HEPA vacuums. Areas around the drilling were isolated with 6-mil poly and wet wiped and HEPA vacuumed during clean-up activities. In some areas, small enclosures were constructed to conduct the asbestos abatement. Following the asbestos clean-up activities, MicroAir conducted a visual inspection of the regulated areas and completed PCM and/or TEM air clearance sampling as necessary.

Air Monitoring and Inspection Procedures

PCM air samples were collected in accordance with EPA NIOSH 7400 method (Issue 2 of August 15, 1994) as described in Appendix A of 29 CFR 1926.1101. PCM air clearances were collected in accordance with 40 CFR Part 763 (AHERA). The air quality samples were collected by MicroAir using calibrated Gast high volume air sampling pumps. All pumps were calibrated to ensure accuracy in the sample volume. All samples were collected using 25-millimeter diameter, 0.8 micrometer, open faced filter cassettes equipped with non-static 50 millimeter extension cowls. The filter media were mixed cellulose ester membranes. All samples were analyzed onsite by MicroAir analysts using phase contrast microscopy. The samples were analyzed using an Olympus™ phase contrast microscope. Fibers greater than 5 microns in length with a 3:1 length-to-width ratio are counted. The PCM method does not differentiate between asbestos and other fibrous particulate matter. A minimum two field blanks were also analyzed to determine the filter's condition. The PCM air samples were collected and analyzed in conformance with the National Institute of Occupational Safety and Health (NIOSH) Method 7400.

The TEM samples were collected on 0.45-micron pore size, 25-millimeter (mm) diameter, mixed cellulose ester filter membranes. The collection device was a 25 mm diameter cassette with an open-faced 50 mm extension cowl. Aggressive air sampling was conducted during the TEM sample collections. The samples were analyzed by iATL labs in New Jersey on standard turnaround time.

Air Monitoring Sample Results

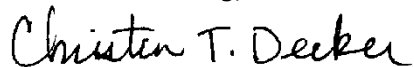
The air sampling results inside and outside the abatement areas passed clearance criteria as each sample result was less than 0.01 fibers per cubic centimeter. See the attached table for more detailed sampling data.

TEM clearance air sample results, according to the laboratory, were under the EPA's clearance criteria of less than 70 structures per cubic for re-occupancy. See attached laboratory reports for more information.

MicroAir is pleased to be of service to you. If you have any questions or require additional information, please contact me at 616-302-0819 or microairconsulting@gmail.com. Thank you.

Sincerely,

MicroAir Consulting, LLC

A handwritten signature in black ink that reads "Christian T. Decker". The signature is written in a cursive, slightly slanted style.

Christian T. Decker
Owner



AIR SAMPLE COLLECTION FORM

CLIENT: Grand Rapids Public School LOCATION: Congress Elementary
MICROAIR PROJECT NO: MA-105-23 DATE(S) SAMPLED: 6-12-23 – 9-20-23

SAMPLE No.	LAB No.	DESCRIPTION	DATE	FLOW RATE (LPM) PRE/POST	SAMPLING PERIOD (MIN)	SAMPLE VOLUME (LITERS)	RESULTS	UNITS
PCM-1	23-GR-78	Background - Collected in hallway near room 309 before setup	6/12/23	8.0/8.0	145	1,160	<0.001	f/cc
PCM-2	23-GR-79	Background - Collected in hallway near room 301 before setup	6/12/23	8.0/8.0	150	1,200	0.001	f/cc
PCM-3	23-GR-80	Background - Collected on 3 rd floor hallway before setup	6/12/23	8.0/8.0	130	1,040	0.001	f/cc
PCM-4	23-GR-81	Background - Collected in room 307 before setup	6/12/23	8.0/8.0	135	1,180	<0.001	f/cc
PCM-5	23-GR-82	Background - Collected in attic before setup	6/14/23	8.0/8.0	145	1,160	0.002	f/cc
PCM-6	23-GR-83	Background - Collected in attic before setup	6/14/23	8.0/8.0	145	1,160	0.003	f/cc
PCM-7	23-GR-84	Background - Collected in attic before setup	6/14/23	8.0/8.0	145	1,160	0.002	f/cc
PCM-8	23-GR-85	Background - Collected in attic before setup	6/14/23	8.0/8.0	145	1,160	0.001	f/cc
PCM-9	23-GR-86	Background - Collected on 2 nd floor hallway near room 208 before setup	6/15/23	8.0/8.0	145	1,160	0.001	f/cc
PCM-10	23-GR-87	Background - Collected in hallway near room 201 before setup	6/15/23	8.0/8.0	145	1,160	0.003	f/cc
PCM-11	23-GR-88	Background - Collected in room 212 before setup	6/15/23	8.0/8.0	145	1,160	0.001	f/cc
PCM-12	23-GR-89	Background - Collected in 1 st floor hallway near room 103	6/19/23	8.0/8.0	145	1,160	<0.001	f/cc
PCM-13	23-GR-90	Background - Collected in gym before setup	6/19/23	8.0/8.0	145	1,160	0.002	f/cc
PCM-14	23-GR-91	Background - Collected in kitchen before setup	6/19/23	8.0/8.0	145	1,160	<0.001	f/cc



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PCM-15	23-GR-92	Background - Collected in room 104 before setup	6/19/23	8.0/8.0	145	1,160	0.002	f/cc
PCM-16	23-GR-93	Background - Collected in hallway near attic entry	6/19/23	8.0/8.0	145	1,160	0.002	f/cc
PCM-17	23-GR-94	Area - Collected in hallway near attic entry	6/19/23	5.0/5.0	260	1300	0.004	f/cc
PCM-18	23-GR-95	Work Area - Collected in the attic	6/19/23	5.0/5.0	210	1050	0.008	f/cc
PCM-19	23-GR-96	Area - Collected in hallway near room 305	6/20/23	5.0/5.0	130	650	0.004	f/cc
PCM-20	23-GR-97	Area - Collected in hallway near room 305	6/20/23	5.0/5.0	140	700	0.005	f/cc
PCM-21	23-GR-98	Field Blank	6/20/23	-	-	-	<0.001	f/cc
PCM-22	23-GR-99	Field Blank	6/20/23	-	-	-	<0.001	f/cc
PCM-23	23-GR-100	Clearance - Collected in room 305	6/20/23	8.0/8.0	150	1200	0.005	f/cc
PCM-24	23-GR-101	Clearance - Collected in room 304	6/20/23	8.0/8.0	150	1200	0.006	f/cc
PCM-25	23-GR-102	Clearance - Collected in room 301	6/20/23	8.0/8.0	150	1200	0.004	f/cc
PCM-26	23-GR-103	Clearance – Collected in room 309	6/20/23	8.0/8.0	150	1200	0.003	f/cc
PCM-27	23-GR-104	Clearance – Collected in room 307	6/20/23	8.0/8.0	150	1200	0.005	f/cc
PCM-28	23-GR-105	Clearance – Collected in room 308	6/20/23	5.0/5.0	160	800	0.004	f/cc
PCM-29	23-GR-106	Clearance – Collected in room 312	6/21/23	8.0/8.0	150	1200	0.005	f/cc
PCM-30	23-GR-107	Clearance – Collected on 2 nd floor mini containment	6/21/23	8.0/8.0	150	1200	0.004	f/cc
PCM-31	23-GR-108	Clearance – Collected on 3 rd floor mini containment	6/21/23	8.0/8.0	150	1200	0.002	f/cc
PCM-32	23-GR-109	Area - Collected in hallway near room 207	6/21/23	5.0/5.0	145	725	0.003	f/cc



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TEM-33	23-GR-110	Clearance – Collected inside attic	6/21/23	10.0/10.0	120	1200	61.5	s/mm ²
TEM-34	23-GR-111	Clearance – Collected inside attic	6/21/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-35	23-GR-112	Clearance – Collected inside attic	6/21/23	10.0/10.0	120	1200	46.2	s/mm ²
TEM-36	23-GR-113	Clearance – Collected inside attic	6/21/23	10.0/10.0	120	1200	15.4	s/mm ²
TEM-37	23-GR-114	Clearance – Collected inside attic	6/21/23	10.0/10.0	120	1200	46.2	s/mm ²
TEM-38	23-GR-115	Clearance – Collected outside attic	6/21/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-39	23-GR-116	Clearance – Collected outside attic	6/21/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-40	23-GR-117	Clearance – Collected outside attic	6/21/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-41	23-GR-118	Clearance – Collected outside attic	6/21/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-42	23-GR-119	Clearance – Collected outside attic	6/21/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-43	23-GR-120	Field blank – inside	6/21/23	-	-	-	<15.4	s/mm ²
TEM-44	23-GR-121	Field blank - outside	6/21/23	-	-	-	<15.4	s/mm ²
PCM-45	23-GR-122	Area - Collected in 2 nd floor hallway near room 207	6/21/23	5.0/5.0	180	900	0.004	f/cc
PCM-46	23-GR-123	Clearance – Collected near north entry in north staircase	6/21/23	8.0/8.0	150	1200	0.005	f/cc
PCM-47	23-GR-124	Clearance – Collected near south entry in south staircase	6/21/23	8.0/8.0	150	1200	0.006	f/cc
PCM-48	23-GR-125	Clearance – Collected inside boy's restroom on the third floor	6/21/23	8.0/8.0	150	1200	0.003	f/cc
PCM-49	23-GR-126	Clearance – Collected inside girl's restroom on the third floor	6/21/23	8.0/8.0	150	1200	0.002	f/cc



AIR SAMPLE COLLECTION FORM

PCM-50	23-GR-127	Clearance – Collected on 2 nd floor near room 201	6/21/23	8.0/8.0	150	1200	0.003	f/cc
PCM-51	23-GR-128	Clearance – Collected on 2 nd floor in hallway near 208	6/21/23	8.0/8.0	150	1200	0.003	f/cc
PCM-52	23-GR-129	Clearance – Collected on 2 nd floor in hallway near 211	6/21/23	8.0/8.0	150	1200	0.005	f/cc
PCM-53	23-GR-130	Clearance – Collected on 2 nd floor in hallway near 213	6/21/23	8.0/8.0	150	1200	0.004	f/cc
PCM-54	23-GR-131	Field Blank	6/12/23	-	-	-	<0.001	f/cc
PCM-55	23-GR-132	Field Blank	6/21/23	-	-	-	<0.001	f/cc
PCM-56	23-GR-133	Area - Collected in hallway near room 307	6/22/23	5.0/5.0	95	475	0.004	
PCM-57	23-GR-134	Area - Collected in hallway near room 101	6/22/23	5.0/5.0	135	675	0.005	
PCM-58	23-GR-135	Clearance - Collected in hallway near room 307	6/22/23	8.0/8.0	150	1200	0.004	f/cc
PCM-59	23-GR-136	Clearance - Collected in hallway near room 101	6/22/23	8.0/8.0	150	1200	0.004	f/cc
PCM-60	23-GR-137	Area - Collected in hallway near room 105	6/22/23	5.0/5.0	95	475	0.005	f/cc
PCM-61	23-GR-138	Clearance – Collected in hallway outside of room 105	6/22/23	8.0/8.0	150	1200	0.005	f/cc
PCM-62	23-GR-139	Clearance – Collected in room 101	6/22/23	8.0/8.0	150	1200	0.004	f/cc
PCM-63	23-GR-140	Clearance – Collected in 1 st floor hallway near room 105	6/23/23	8.0/8.0	150	1200	0.003	f/cc
PCM-64	23-GR-141	Clearance – Collected on the 3 rd floor in the hall near room 307	6/23/23	8.0/8.0	150	1200	0.004	f/cc
PCM-65	23-GR-142	Area - Collected in hallway near room 305	6/26/23	5.0/5.0	145	725	0.004	f/cc
PCM-66	23-GR-143	Area - Collected in hallway near room 312	6/26/23	5.0/5.0	200	1000	0.004	f/cc
PCM-67	23-GR-144	Area - Collected in hallway near room 301	6/26/23	5.0/5.0	110	550	0.003	f/cc
PCM-68	23-GR-145	Area - Collected in room 301	6/27/23	5.0/5.0	150	750	0.006	f/cc
PCM-69	23-GR-146	Clearance - Collected in room 301	6/27/23	8.0/8.0	150	1200	0.005	f/cc
PCM-70	23-GR-147	Field Blank	6/27/23	-	-	-	<0.001	f/cc



AIR SAMPLE COLLECTION FORM

PCM-71	23-GR-148	Field Blank	6/27/23	-	-	-	<0.001	f/cc
PCM-72	23-GR-149	Area - Collected in room 304	6/27/23	5.0/5.0	230	1150	0.006	f/cc
PCM-73	23-GR-150	Area - Collected in room 305	6/27/23	5.0/5.0	230	1150	0.005	f/cc
PCM-74	23-GR-151	Area - Collected in room 307	6/27/23	5.0/5.0	230	1150	<0.004	f/cc
PCM-75	23-GR-152	Area – Collected in the center of the 3 rd floor hallway	6/28/23	5.0/5.0	240	1200	0.004	f/cc
PCM-76	23-GR-153	Area - Collected in room 304	6/28/23	5.0/5.0	230	1150	0.006	f/cc
PCM-77	23-GR-154	Area - Collected in room 305	6/28/23	5.0/5.0	230	1150	0.005	f/cc
PCM-78	23-GR-155	Area - Collected in room 308	6/28/23	5.0/5.0	230	1150	0.005	f/cc
PCM-79	23-GR-156	Area - Collected in room 307	6/28/23	5.0/5.0	135	675	0.007	f/cc
PCM-80	23-GR-157	Area - Collected in room 309	6/28/23	5.0/5.0	135	675	0.007	f/cc
PCM-81	23-GR-158	Area - Collected in room 312	6/28/23	5.0/5.0	135	675	0.005	f/cc
PCM-82	23-GR-159	Area – Collected in the center of the 3 rd floor hallway	6/29/23	5.0/5.0	240	1200	0.006	f/cc
PCM-83	23-GR-160	Area - Collected in room 304	6/29/23	5.0/5.0	230	1150	0.007	f/cc
PCM-84	23-GR-161	Area - Collected in room 305	6/29/23	5.0/5.0	230	1150	0.005	f/cc
PCM-85	23-GR-162	Area - Collected in room 308	6/29/23	5.0/5.0	230	1150	0.006	f/cc
PCM-86	23-GR-163	Area - Collected in room 307	6/29/23	5.0/5.0	230	1150	0.008	f/cc
PCM-87	23-GR-164	Area - Collected in room 309	6/29/23	5.0/5.0	230	1150	0.007	f/cc
PCM-88	23-GR-165	Area - Collected in room 312	6/29/23	5.0/5.0	230	1150	0.006	f/cc
PCM-89	23-GR-166	Clearance - Collected in room 304	6/30/23	8.0/8.0	150	1200	0.005	f/cc
PCM-90	23-GR-167	Clearance - Collected in room 305	6/30/23	8.0/8.0	150	1200	0.005	f/cc
PCM-91	23-GR-168	Clearance - Collected in room 307	6/30/23	8.0/8.0	150	1200	0.004	f/cc
PCM-92	23-GR-169	Clearance – Collected in room 308	6/30/23	8.0/8.0	150	1200	0.006	f/cc
PCM-93	23-GR-170	Clearance – Collected in room 312	6/30/23	8.0/8.0	150	1200	0.005	f/cc
PCM-94	23-GR-171	Clearance – Collected on the 3 rd floor in the center of the hallway	6/30/23	8.0/8.0	150	1200	0.005	f/cc
PCM-95	23-GR-172	Clearance – Collected in room 309	6/30/23	8.0/8.0	150	1200	0.006	f/cc



AIR SAMPLE COLLECTION FORM

PCM-96	23-GR-173	Field blank	7/5/23	-	-	-	<0.001	f/cc
PCM-97	23-GR-174	Field blank	7/5/23	-	-	-	<0.001	f/cc
PCM-98	23-GR-175	Setup – Room 101	7/5/23	5.0/5.0	300	1500	0.004	f/cc
PCM-99	23-GR-176	Setup – 1 st floor hallway	7/5/23	5.0/5.0	200	1000	0.003	f/cc
PCM-100	23-GR-177	Area – Boiler room	7/5/23	5.0/5.0	120	600	0.009	f/cc
PCM-100	23-GR-178	Setup – 1 st floor hallway	7/5/23	5.0/5.0	200	1000	0.003	f/cc
PCM-101	23-GR-179	Clearance – Boiler room	7/5/23	8.0/8.0	150	1200	0.008	f/cc
PCM-102	23-GR-180	Area – Room 101	7/6/23	5.0/5.0	300	1500	0.005	f/cc
PCM-103	23-GR-181	Area – 1 st floor hallway (south side)	7/6/23	5.0/5.0	300	1500	0.005	f/cc
PCM-104	23-GR-182	Setup – 3 rd floor hallway (center)	7/6/23	5.0/5.0	300	1500	0.004	f/cc
PCM-105	23-GR-183	Area – Room 101	7/6/23	5.0/5.0	240	1200	0.006	f/cc
PCM-106	23-GR-184	Area – 1 st floor hallway (south side)	7/6/23	5.0/5.0	240	1200	0.010	f/cc
PCM-107	23-GR-185	Area – Room 101	7/7/23	5.0/5.0	100	500	0.005	f/cc
PCM-108	23-GR-186	Area – Kitchen storage room	7/7/23	5.0/5.0	200	1000	0.008	f/cc
PCM-109	23-GR-187	Area 1 st floor hallway (south side)	7/7/23	5.0/5.0	200	1000	0.008	f/cc
PCM-110	23-GR-188	Setup–1 st floor hallway (north side)	7/7/23	5.0/5.0	300	1500	0.005	f/cc
PCM-111	23-GR-189	Setup – 3 rd floor hallway (center)	7/7/23	5.0/5.0	300	1500	0.005	f/cc
PCM-112	23-GR-190	Clearance – Room 101	7/7/23	8.0/8.0	150	1200	0.008	f/cc
PCM-113	23-GR-191	Clearance – Room 104	7/7/23	8.0/8.0	150	1200	0.007	f/cc
PCM-114	23-GR-192	Clearance – Kitchen	7/7/23	8.0/8.0	150	1200	0.008	f/cc
PCM-115	23-GR-193	Clearance – 1 st floor hallway (south side)	7/7/23	8.0/8.0	150	1200	0.010	f/cc
PCM-116	23-GR-194	Clearance – South side of the gym	7/7/23	8.0/8.0	150	1200	0.005	f/cc
PCM-117	23-GR-195	Clearance – 1 st floor girl’s bathroom	7/7/23	8.0/8.0	150	1200	0.005	f/cc
PCM-118	23-GR-196	Area – 3 rd floor hallway (center)	7/8/23	5.0/5.0	300	1500	0.008	f/cc
PCM-119	23-GR-197	Area – 1 st floor hallway (north side)	7/8/23	5.0/5.0	90	450	0.004	f/cc



AIR SAMPLE COLLECTION FORM

PCM-120	23-GR-198	Clearance–3 rd floor hallway (center)	7/8/23	8.0/8.0	150	1200	0.005	f/cc
PCM-121	23-GR-199	Clearance–1 st floor hallway (north side)	7/8/23	8.0/8.0	150	1200	0.007	f/cc
TEM-122	23-GR-200	Clearance–1 st floor hallway (center)	7/8/23	10.0/10.0	120	1200	<15	s/mm ²
TEM-123	23-GR-201	Clearance – Kitchen	7/8/23	10.0/10.0	120	1200	<15	s/mm ²
TEM-124	23-GR-202	Clearance – Room 101	7/8/23	10.0/10.0	120	1200	<15	s/mm ²
TEM-125	23-GR-203	Clearance – Room 108	7/8/23	10.0/10.0	120	1200	<15	s/mm ²
TEM-126	23-GR-204	Clearance– 1 st floor boy’s bathroom	7/8/23	10.0/10.0	120	1200	<15	s/mm ²
PCM-127	23-GR-205	Clearance–3 rd floor hallway (center)	7/8/23	8.0/8.0	150	1200	0.006	f/cc
PCM-128	23-GR-206	Area – 3 rd floor hallway (center)	7/10/23	5.0/5.0	300	1500	0.011	f/cc
PCM-129	23-GR-207	Area –2 nd floor hallway (south side)	7/10/23	5.0/5.0	300	1500	0.005	f/cc
PCM-130	23-GR-208	Field blank	7/10/23	-	-	-	<0.001	f/cc
PCM-131	23-GR-209	Field blank	7/10/23	-	-	-	<0.001	f/cc
PCM-132	23-GR-210	Area – 3 rd floor hallway (center)	7/11/23	5.0/5.0	300	1500	0.014	f/cc
PCM-133	23-GR-211	Area –2 nd floor hallway (south side)	7/11/23	5.0/5.0	300	1500	0.006	f/cc
PCM-134	23-GR-212	Clearance - Collected in room 304	7/11/23	8.0/8.0	150	1200	0.007	f/cc
PCM-135	23-GR-213	Clearance - Collected in room 305	7/11/23	8.0/8.0	150	1200	0.008	f/cc
PCM-136	23-GR-214	Clearance - Collected in room 307	7/11/23	8.0/8.0	150	1200	0.006	f/cc
PCM-137	23-GR-215	Area – Collected in the 2 nd floor hallway (south side)	7/12/23	5.0/5.0	300	1500	0.004	f/cc
PCM-138	23-GR-216	Field blank	7/12/23	-	-	-	<0.001	f/cc
PCM-139	23-GR-217	Field blank	7/12/23	-	-	-	<0.001	f/cc
PCM-140	23-GR-218	Clearance – Collected in the first-floor hallway near the kitchen	7/12/23	8.0/8.0	150	1200	0.007	f/cc
PCM-141	23-GR-219	Area – Collected in the 2 nd floor hallway (south side)	7/12/23	5.0/5.0	200	1000	0.005	f/cc
PCM-142	23-GR-220	Area – Collected in the 2 nd floor hallway (south side)	7/12/23	5.0/5.0	200	1000	0.007	f/cc
PCM-143	23-GR-221	Area – Collected in the 2 nd floor hallway (south side)	7/12/23	5.0/5.0	65	325	0.009	f/cc



AIR SAMPLE COLLECTION FORM

PCM-144	23-GR-222	Clearance – South side of the 2 nd floor	7/13/23	8.0/8.0	150	1200	0.008	f/cc
PCM-145	23-GR-223	Area – 2 nd floor in the hallway (center)	7/14/23	5.0/5.0	220	1100	0.007	f/cc
PCM-146	23-GR-224	Field blank	7/15/23	-	-	-	<0.001	f/cc
PCM-147	23-GR-225	Field blank	7/15/23	-	-	-	<0.001	f/cc
TEM-148	23-GR-226	Clearance–3 rd floor hallway (center)	7/15/23	10.0/10.0	120	1200	<15	f/cc
TEM-149	23-GR-227	Clearance– 3 rd floor hallway (south)	7/15/23	10.0/10.0	120	1200	<15	f/cc
TEM-150	23-GR-228	Clearance- 3 rd floor hallway (north)	7/15/23	10.0/10.0	120	1200	<15	f/cc
TEM-151	23-GR-229	Clearance- Room 307	7/15/23	10.0/10.0	120	1200	<15	f/cc
TEM-152	23-GR-230	Clearance– Room 312	7/15/23	10.0/10.0	120	1200	<15	f/cc
PCM-153	23-GR-231	Area – 2 nd floor in the hall (center)	7/15/23	5.0/5.0	210	1050	0.011	f/cc
PCM-154	23-GR-232	Area–2 nd floor in the hall (north)	7/15/23	5.0/5.0	210	1050	0.009	f/cc
PCM-155	23-GR-233	Clearance – 2 nd floor hall near room 201	7/15/23	8.0/8.0	150	1200	0.007	f/cc
PCM-156	23-GR-234	Clearance – 2 nd floor in hallway near room 208	7/15/23	8.0/8.0	150	1200	0.008	f/cc
PCM-157	23-GR-235	Clearance – 2 nd floor in Room 211	7/15/23	8.0/8.0	150	1200	0.004	f/cc
PCM-158	23-GR-236	Clearance – 2 nd floor in room 213	7/15/23	8.0/8.0	150	1200	0.006	f/cc
PCM-159	23-GR-237	Clearance – 2 nd floor in the center of the hallway	7/15/23	8.0/8.0	150	1200	0.008	f/cc
PCM-160	23-GR-238	Field blank	7/25/23	-	-	-	<0.001	f/cc
PCM-161	23-GR-239	Field blank	7/25/23	-	-	-	<0.001	f/cc
PCM-162	23-GR-240	Area – 2 nd floor library/lounge enclosure – outside shower	7/25/23	5.0/5.0	210	1050	0.005	f/cc
PCM-163	23-GR-241	Area – Room 208	7/25/23	5.0/5.0	210	1050	0.005	f/cc
PCM-164	23-GR-242	Area – Room 201	7/25/23	5.0/5.0	210	1050	0.004	f/cc
PCM-165	23-GR-243	Clearance – Room 208	7/25/23	8.0/8.0	150	1200	0.005	f/cc
PCM-166	23-GR-244	Clearance – Room 201	7/25/23	8.0/8.0	150	1200	0.006	f/cc
PCM-167	23-GR-245	Clearance – Library/lounge enclosure	7/25/23	8.0/8.0	150	1200	0.004	f/cc



AIR SAMPLE COLLECTION FORM

PCM-168	23-GR-246	Field blank	7/26/23	-	-	-	<0.001	f/cc
PCM-169	23-GR-247	Field blank	7/26/23	-	-	-	<0.001	f/cc
PCM-170	23-GR-248	Area – Room 310	7/26/23	5.0/5.0	90	450	0.004	f/cc
PCM-171	23-GR-249	Area – Room 213	7/26/23	5.0/5.0	95	475	0.005	f/cc
PCM-172	23-GR-250	Area – North stairs	7/26/23	5.0/5.0	95	475	0.005	f/cc
PCM-173	23-GR-251	Area – South stairs	7/26/23	5.0/5.0	110	550	0.006	f/cc
PCM-174	23-GR-252	Area – Room 210	7/26/23	5.0/5.0	100	500	0.004	f/cc
PCM-175	23-GR-253	Area – 1 st floor hallway near stage	7/26/23	5.0/5.0	100	500	0.007	f/cc
PCM-176	23-GR-254	Clearance – Room 310	7/26/23	8.0/8.0	150	1200	0.005	f/cc
PCM-177	23-GR-255	Clearance – Room 213	7/26/23	8.0/8.0	150	1200	0.004	f/cc
PCM-178	23-GR-256	Clearance – North stairs	7/26/23	8.0/8.0	150	1200	0.005	f/cc
PCM-179	23-GR-257	Clearance – South stairs	7/26/23	8.0/8.0	150	1200	0.005	f/cc
PCM-180	23-GR-258	Clearance – Room 210	7/26/23	8.0/8.0	150	1200	0.004	f/cc
PCM-181	23-GR-259	Clearance – 1 st floor hallway near stage	7/26/23	8.0/8.0	150	1200	0.007	f/cc
PCM-182	23-GR-260	Field blank	7/28/23	-	-	-	<0.001	f/cc
PCM-183	23-GR-261	Field blank	7/28/23	-	-	-	<0.001	f/cc
PCM-184	23-GR-262	Area – 2 nd floor library/lounge enclosure – outside shower	7/28/23	5.0/5.0	200	1000	0.005	f/cc
PCM-185	23-GR-263	Clearance – Room 307	7/28/23	8.0/8.0	150	1200	0.005	f/cc
PCM-186	23-GR-264	Clearance – Room 308	7/28/23	8.0/8.0	150	1200	0.007	f/cc
PCM-187	23-GR-265	Clearance – Room 210	7/28/23	8.0/8.0	150	1200	0.009	f/cc
PCM-188	23-GR-266	Clearance – Library/lounge enclosure	7/28/23	8.0/8.0	150	1200	0.005	f/cc
PCM-189	23-GR-267	Area – 2 nd floor teacher’s lounge	7/31/23	5.0/5.0	210	1050	0.006	f/cc
PCM-190	23-GR-268	Clearance - 2 nd floor teacher’s lounge	7/31/23	8.0/8.0	150	1200	0.008	f/cc
PCM-191	23-GR-269	Clearance – 2 nd floor hallway	7/31/23	8.0/8.0	150	1200	0.007	f/cc
PCM-192	23-GR-270	Clearance – 3 rd floor hallway	7/31/23	8.0/8.0	150	1200	0.007	f/cc



AIR SAMPLE COLLECTION FORM

PCM-193	23-GR-271	Field blank	8/2/23	-	-	-	<0.001	f/cc
PCM-194	23-GR-272	Field blank	8/2/23	-	-	-	<0.001	f/cc
PCM-195	23-GR-273	Area – Room 313	8/2/23	5.0/5.0	85	425	0.007	f/cc
PCM-196	23-GR-274	Area – Library on the 2 nd floor	8/2/23	5.0/5.0	85	425	0.006	f/cc
PCM-197	23-GR-275	Clearance – Room 313	8/2/23	8.0/8.0	150	1200	0.006	f/cc
PCM-198	23-GR-276	Clearance – Library on the 2 nd floor	8/2/23	8.0/8.0	150	1200	0.006	f/cc
PCM-199	23-GR-277	Field blank	8/4/23	-	-	-	<0.001	f/cc
PCM-200	23-GR-278	Field blank	8/4/23	-	-	-	<0.001	f/cc
PCM-201	23-GR-279	Area – Hallway outside boiler room	8/4/23	5.0/5.0	150	750	0.008	f/cc
PCM-202	23-GR-280	Clearance – Hallway outside boiler	8/4/23	8.0/8.0	150	1200	0.007	f/cc
PCM-203	23-GR-281	Area – Inside boiler room	8/7/23	5.0/5.0	70	350	0.005	f/cc
PCM-204	23-GR-282	Clearance – Inside boiler room	8/7/23	8.0/8.0	150	1200	0.005	f/cc
PCM-205	23-GR-283	Field blank	8/7/23	-	-	-	<0.001	f/cc
PCM-206	23-GR-284	Field blank	8/7/23	-	-	-	<0.001	f/cc
PCM-207	23-GR-285	Clearance – Hallway outside of rm. 309	8/10/23	8.0/8.0	150	1200	0.006	f/cc
PCM-208	23-GR-286	Clearance – Inside room 309	8/10/23	8.0/8.0	150	1200	0.005	f/cc
PCM-209	23-GR-287	Field blank	8/10/23	-	-	-	<0.001	f/cc
PCM-210	23-GR-288	Field blank	8/10/23	-	-	-	<0.001	f/cc
PCM-211	23-GR-289	Area – 2 nd floor library	8/11/23	5.0/5.0	120	600	0.006	f/cc
PCM-212	23-GR-290	Area – Hallway outside 2 nd floor library	8/11/23	5.0/5.0	120	600	0.006	f/cc
PCM-213	23-GR-291	Area – Hallway outside 2 nd floor library	8/11/23	5.0/5.0	120	600	0.005	f/cc
PCM-214	23-GR-292	Area – 2 nd floor library	8/11/23	5.0/5.0	120	600	0.007	f/cc
PCM-215	23-GR-293	Clearance – Inside room 309	8/11/23	8.0/8.0	150	1200	0.006	f/cc
PCM-216	23-GR-294	Field blank	8/11/23	-	-	-	<0.001	f/cc
PCM-217	23-GR-295	Field blank	8/11/23	-	-	-	<0.001	f/cc
PCM-218	23-GR-296	Area – Gym near man lift	8/12/23	5.0/5.0	110	550	0.004	f/cc



AIR SAMPLE COLLECTION FORM

PCM-219	23-GR-297	Area – Gym near man lift	8/12/23	5.0/5.0	90	450	0.005	f/cc
PCM-220	23-GR-298	Area – Hallway outside room 202	8/12/23	5.0/5.0	90	550	0.006	f/cc
PCM-221	23-GR-299	Area – Inside room 201	8/12/23	5.0/5.0	110	550	0.005	f/cc
PCM-222	23-GR-300	Area – Inside room 204	8/12/23	5.0/5.0	110	550	0.006	f/cc
PCM-223	23-GR-301	Field blank	8/12/23	-	-	-	<0.001	f/cc
PCM-224	23-GR-302	Field blank	8/12/23	-	-	-	<0.001	f/cc
PCM-225	23-GR-303	Clearance – Hallway outside room 202	8/12/23	8.0/8.0	150	1200	0.006	f/cc
PCM-226	23-GR-304	Clearance – Room 201	8/12/23	8.0/8.0	150	1200	0.006	f/cc
PCM-227	23-GR-305	Clearance – Room 204	8/12/23	8.0/8.0	150	1200	0.006	f/cc
PCM-228	23-GR-306	Clearance – Room 211	8/15/23	8.0/8.0	150	1200	0.004	f/cc
PCM-229	23-GR-307	Clearance – Room 213	8/15/23	8.0/8.0	150	1200	0.004	f/cc
PCM-230	23-GR-308	Clearance – Room 210	8/15/23	8.0/8.0	150	1200	0.008	f/cc
PCM-231	23-GR-309	Clearance – Room 208	8/15/23	8.0/8.0	150	1200	0.006	f/cc
PCM-232	23-GR-310	Clearance – Room 201	8/15/23	8.0/8.0	150	1200	0.005	f/cc
PCM-233	23-GR-311	Area – Center of the first floor	8/21/23	5.0/5.0	240	1200	0.005	f/cc
PCM-234	23-GR-312	Area – Center of the second floor	8/21/23	5.0/5.0	240	1200	0.005	f/cc
PCM-235	23-GR-313	Area – Center of the third floor	8/21/23	5.0/5.0	240	1200	0.005	f/cc
PCM-236	23-GR-314	Clearance - Center of the first floor	8/21/23	8.0/8.0	150	1200	0.005	f/cc
PCM-237	23-GR-315	Clearance - Center of the second floor	8/21/23	8.0/8.0	150	1200	0.005	f/cc
PCM-238	23-GR-316	Clearance - Center of the third floor	8/21/23	8.0/8.0	150	1200	0.005	f/cc
PCM-240	23-GR-317	Area – North staircase on 2 nd floor	8/24/23	8.0/8.0	105	840	0.002	f/cc
PCM-241	23-GR-318	Area – South stairs on the 2 nd floor	8/24/23	8.0/8.0	105	840	0.002	f/cc
PCM-242	23-GR-319	Clearance – Center of the 2 nd floor	8/24/23	8.0/8.0	150	1200	0.004	f/cc
PCM-243	23-GR-320	Clearance – Inside room 101	8/24/23	8.0/8.0	150	1200	0.005	f/cc
PCM-244	23-GR-321	Clearance – Inside room 103	8/24/23	8.0/8.0	150	1200	0.004	f/cc



AIR SAMPLE COLLECTION FORM

PCM-245	23-GR-322	Clearance – Inside room 104	8/24/23	8.0/8.0	150	1200	0.004	f/cc
PCM-246	23-GR-323	Clearance – Inside room 108	8/24/23	8.0/8.0	150	1200	0.004	f/cc
PCM-247	23-GR-324	Clearance – Inside the office	8/24/23	8.0/8.0	150	1200	0.005	f/cc
PCM-248	23-GR-325	Clearance – Inside the gym	8/24/23	8.0/8.0	150	1200	0.006	f/cc
PCM-249	23-GR-326	Clearance – Inside room 309	8/24/23	8.0/8.0	150	1200	0.004	f/cc
PCM-250	23-GR-327	Clearance – Inside room 312	8/24/23	8.0/8.0	150	1200	0.003	f/cc
PCM-251	23-GR-328	Clearance – Inside room 308	8/24/23	8.0/8.0	150	1200	0.005	f/cc
PCM-252	23-GR-329	Clearance – Inside room 307	8/24/23	8.0/8.0	150	1200	0.007	f/cc
PCM-253	23-GR-330	Clearance – Inside room 305	8/24/23	8.0/8.0	150	1200	0.004	f/cc
PCM-254	23-GR-331	Clearance – Inside room 304	8/24/23	8.0/8.0	150	1200	0.004	f/cc
PCM-255	23-GR-332	Clearance – Inside room 301	8/24/23	8.0/8.0	150	1200	0.005	f/cc
PCM-256	23-GR-333	Clearance – Inside room 203	8/24/23	8.0/8.0	150	1200	0.004	f/cc
PCM-257	23-GR-334	Field Blank	8/24/23	-	-	-	<0.001	f/cc
PCM-258	23-GR-335	Field Blank	8/24/23	-	-	-	<0.001	f/cc
TEM-259	23-GR-336	Clearance – Collected inside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-260	23-GR-337	Clearance – Collected inside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-261	23-GR-338	Clearance – Collected inside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-262	23-GR-339	Clearance – Collected inside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-263	23-GR-340	Clearance – Collected inside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-264	23-GR-341	Clearance – Collected outside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-265	23-GR-342	Clearance – Collected outside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-266	23-GR-343	Clearance – Collected outside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-267	23-GR-344	Clearance – Collected outside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-268	23-GR-345	Clearance – Collected outside 2 nd floor	8/24/23	10.0/10.0	120	1200	<15.4	s/mm ²
TEM-269	23-GR-346	Field blank – inside	8/24/23	-	-	-	<15.4	s/mm ²
TEM-270	23-GR-347	Field blank - outside	8/24/23	-	-	-	<15.4	s/mm ²



AIR SAMPLE COLLECTION FORM

PCM-271	23-GR-348	Clearance – Inside room 108	8/25/23	8.0/8.0	150	1200	0.005	f/cc
PCM-272	23-GR-349	Clearance – Inside room 103	8/25/23	8.0/8.0	150	1200	0.004	f/cc
PCM-273	23-GR-350	Clearance – Inside room 309	8/25/23	8.0/8.0	150	1200	0.006	f/cc
PCM-274	23-GR-351	Clearance – Inside room 307	8/25/23	8.0/8.0	150	1200	0.007	f/cc
PCM-275	23-GR-352	Clearance – Inside room 304	8/25/23	8.0/8.0	150	1200	0.003	f/cc
PCM-276	23-GR-353	Clearance – Inside the 3 rd floor hallway	8/25/23	8.0/8.0	150	1200	0.004	f/cc
PCM-276	23-GR-353	Field Blank	8/26/23	-	-	-	<0.001	f/cc
PCM-276	23-GR-353	Field Blank	8/26/23	-	-	-	<0.001	f/cc
PCM-276	23-GR-353	Clearance – Inside room 308	8/26/23	8.0/8.0	150	1200	0.004	f/cc
PCM-276	23-GR-353	Clearance – Inside the 3 rd floor hallway	8/26/23	8.0/8.0	150	1200	0.005	f/cc
PCM-276	23-GR-353	Clearance – Inside room 305	8/26/23	8.0/8.0	150	1200	0.005	f/cc
PCM-277	23-GR-354	Area – Inside room 211	8/28/23	5.0/5.0	60	300	0.003	f/cc
PCM-278	23-GR-355	Area – Inside 2 nd floor library	8/28/23	5.0/5.0	60	300	0.004	f/cc
PCM-279	23-GR-356	Clearance – Inside room 211	8/28/23	10.0/10.0	120	1200	0.004	f/cc
PCM-280	23-GR-357	Clearance – Inside 2 nd floor library	8/28/23	10.0/10.0	120	1200	0.004	f/cc
PCM-281	23-GR-358	Field Blank	8/29/23	-	-	-	<0.001	f/cc
PCM-282	23-GR-359	Field Blank	8/29/23	-	-	-	<0.001	f/cc
PCM-283	23-GR-360	Area – Inside room 210	8/29/23	5.0/5.0	40	200	0.002	f/cc
PCM-284	23-GR-361	Clearance – Inside room 210	8/29/23	10.0/10.0	120	1200	0.004	f/cc
PCM-285	23-GR-362	Area – Inside the gym	9/1/23	5.0/5.0	95	475	0.003	f/cc
PCM-286	23-GR-363	Clearance – Inside the gym	9/1/23	10.0/10.0	120	1200	0.003	f/cc
PCM-287	23-GR-364	Field Blank	9/20/23	-	-	-	<0.001	f/cc
PCM-288	23-GR-365	Field Blank	9/20/23	-	-	-	<0.001	f/cc
PCM-289	23-GR-366	Area – Inside the gym	9/20/23	5.0/5.0	45	225	0.005	f/cc
PCM-290	23-GR-367	Clearance – Inside the gym	9/20/23	10.0/10.0	120	1200	0.006	f/cc
PCM-291	23-GR-368	Area – Inside room 210	9/20/23	5.0/5.0	50	250	0.003	f/cc



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AIR SAMPLE COLLECTION FORM

PCM-292	23-GR-369	Area – Inside room 201	9/20/23	5.0/5.0	65	325	0.003	f/cc
PCM-293	23-GR-370	Clearance – Inside room 210	9/20/23	10.0/10.0	120	1200	0.004	f/cc
PCM-294	23-GR-371	Clearance – Inside room 201	9/20/23	10.0/10.0	120	1200	0.004	f/cc