



N O R T H E R N
Analytical Services, LLC.
ENVIRONMENTAL CONSULTANTS

April 5, 2023

Project Number: 230033

Mr. Cong Huynh
Pitsch Companies, Inc.
675 Richmond Street, NW
Grand Rapids, Michigan 49504

RE: Ravenna Public Schools Air Clearance

Dear: Mr. Cong Huynh

Please find the enclosed test results for a post abatement clearance test that was conducted at the site referenced above. Northern Analytical Services, LLC. (NAS) can be responsible only for the sample collection and analysis since we were not present during abatement activities. Testing and analysis were performed using Phase Contrast Microscopy (PCM) methods in accordance with NIOSH 7400 using "A" counting rules.

The clearance test was completed after your company removed the following material(s):

*Removal of 300 sqft of Drywall and Joint Compound and 130 sqft of Floor Tile and Mastic
-- 6 Containments --*

NAS performed a visual inspection of the abatement area which showed no known friable asbestos containing debris remaining. Aggressive air clearance test results were below the Michigan Department of Licensing and Economic Opportunity (MDLEO) clearance criteria of 0.05 fibers per cubic centimeter (f/cc) and the Asbestos Hazard Emergency Response Act (AHERA) clearance criteria of 0.01 f/cc.

Please do not hesitate to contact me if there are any questions regarding this report.

Sincerely,

John J. Rehkopf
President

Northern Analytical Services, LLC.

PO Box 1604, Big Rapids, Michigan 49307 • Phone (231) 268-0004 • Fax (866) 214-4739

Project Name: Ravenna Public Schools Air Clearance	Project Number: 230033
Building: Ravenna High School	Sample Date: 4/5/2023
Contractor: Pitsch Companies, Inc.	Competent Person: Guadalupe Medina
Material Removed: Removal of 20 sqft of Drywall and Joint Compound and 130 sqft of Floor Tile and Mastic -- 3 Containments	

Phase Contrast Microscopy (PCM) Fiber Analysis
Performed Using NIOSH 7400 Method Using "A" Counting Rules

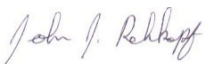
Sample No	Type	Fi	Flds	Average FB Fibers/Field		Concentration f/mm ²		Comments			
1	FB	0.00	100	0.000		<7.01		None			
2	FB	0.00	100			<7.01		None			
Sample No	Type	Fi	Flds	Fi/Flds- AVG FB	Flow Rate (L/m)	start	stop	volume (liters)	Concentration f/mm ²	f/cc	Comments
3	AC	4.0	100	<0.055	15.0	15:21	16:41	1200	<7.01	<0.01	20 sqft of Drywall & Joint Compound
4	AC	3.0	100	<0.055	15.0	15:21	16:41	1200	<7.01	<0.01	20 sqft of Drywall & Joint Compound
5	AC	3.0	100	<0.055	15.0	15:21	16:41	1200	<7.01	<0.01	20 sqft of Drywall & Joint Compound
6	AC	5.0	100	<0.055	15.0	15:21	16:41	1200	<7.01	<0.01	20 sqft of Drywall & Joint Compound
7	AC	2.0	100	<0.055	15.0	15:21	16:41	1200	<7.01	<0.01	20 sqft of Drywall & Joint Compound
8	AC	1.0	100	<0.055	15.0	15:13	16:33	1200	<7.01	<0.01	60 sqft of Floor Tile & Mastic
9	AC	4.0	100	<0.055	15.0	15:13	16:33	1200	<7.01	<0.01	60 sqft of Floor Tile & Mastic
10	AC	2.0	100	<0.055	15.0	15:13	16:33	1200	<7.01	<0.01	60 sqft of Floor Tile & Mastic
11	AC	3.0	100	<0.055	15.0	15:13	16:33	1200	<7.01	<0.01	60 sqft of Floor Tile & Mastic
12	AC	1.0	100	<0.055	15.0	15:13	16:33	1200	<7.01	<0.01	60 sqft of Floor Tile & Mastic
13	AC	4.0	100	<0.055	15.0	16:39	17:59	1200	<7.01	<0.01	70 sqft of Floor Tile & Mastic
14	AC	2.0	100	<0.055	15.0	16:39	17:59	1200	<7.01	<0.01	70 sqft of Floor Tile & Mastic
15	AC	5.0	100	<0.055	15.0	16:39	17:59	1200	<7.01	<0.01	70 sqft of Floor Tile & Mastic
16	AC	1.0	100	<0.055	15.0	16:39	17:59	1200	<7.01	<0.01	70 sqft of Floor Tile & Mastic
17	AC	2.0	100	<0.055	15.0	16:39	17:59	1200	<7.01	<0.01	70 sqft of Floor Tile & Mastic

BS Back Ground Sample
IWA Inside Work Area
Fi Fibers

PAS Personal Air Sample
SDSC Sample & Data Supplied by Client
Flds Fields

OWA Outside Work Area Sample
AC Air Clearance
FB Field Blank

Analyst
Parker Denike


Or Other Approved Signatory

Northern Analytical Services, LLC.

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Project Name: Ravenna Public Schools Air Clearance	Project Number: 230033
Building: Ravenna High School	Sample Date: 4/5/2023
Contractor: Pitsch Companies, Inc.	Competent Person: Guadalupe Medina
Material Removed: Removal of 280 sqft of Drywall and Joint Compound -- 3 Containments	

Phase Contrast Microscopy (PCM) Fiber Analysis
Performed Using NIOSH 7400 Method Using "A" Counting Rules

Sample No	Type	Fi	Flds	Average FB Fibers/Field		Concentration f/mm ²		Comments			
18	FB	0.00	100	0.000		<7.01		None			
19	FB	0.00	100			<7.01		None			
Sample No	Type	Fi	Flds	Fi/Flds- AVG FB	Flow Rate (L/m)	start	stop	volume (liters)	Concentration f/mm ²	f/cc	Comments
20	AC	2.0	100	<0.055	15.0	18:17	19:37	1200	<7.01	<0.01	110 sqft of Drywall & Joint Compound
21	AC	5.0	100	<0.055	15.0	18:17	19:37	1200	<7.01	<0.01	110 sqft of Drywall & Joint Compound
22	AC	3.0	100	<0.055	15.0	18:17	19:37	1200	<7.01	<0.01	110 sqft of Drywall & Joint Compound
23	AC	4.0	100	<0.055	15.0	18:17	19:37	1200	<7.01	<0.01	110 sqft of Drywall & Joint Compound
24	AC	3.0	100	<0.055	15.0	18:17	19:37	1200	<7.01	<0.01	110 sqft of Drywall & Joint Compound
25	AC	3.0	100	<0.055	15.0	18:28	19:48	1200	<7.01	<0.01	100 sq.ft. of Drywall & Joint Compound
26	AC	6.0	100	0.06	15.0	18:28	19:48	1200	7.64	<0.01	100 sq.ft. of Drywall & Joint Compound
27	AC	1.0	100	<0.055	15.0	18:28	19:48	1200	<7.01	<0.01	100 sq.ft. of Drywall & Joint Compound
28	AC	3.0	100	<0.055	15.0	18:28	19:48	1200	<7.01	<0.01	100 sq.ft. of Drywall & Joint Compound
29	AC	2.0	100	<0.055	15.0	18:28	19:48	1200	<7.01	<0.01	100 sq.ft. of Drywall & Joint Compound
30	AC	5.0	100	<0.055	15.0	16:48	18:08	1200	<7.01	<0.01	70 sqft of Drywall & Joint Compound
31	AC	3.0	100	<0.055	15.0	16:48	18:08	1200	<7.01	<0.01	70 sqft of Drywall & Joint Compound
32	AC	2.0	100	<0.055	15.0	16:48	18:08	1200	<7.01	<0.01	70 sqft of Drywall & Joint Compound
33	AC	3.0	100	<0.055	15.0	16:48	18:08	1200	<7.01	<0.01	70 sqft of Drywall & Joint Compound
34	AC	2.0	100	<0.055	15.0	16:48	18:08	1200	<7.01	<0.01	70 sqft of Drywall & Joint Compound

BS Back Ground Sample
IWA Inside Work Area
Fi Fibers

PAS Personal Air Sample
SDSC Sample & Data Supplied by Client
Flds Fields

OWA Outside Work Area Sample
AC Air Clearance
FB Field Blank

Analyst
Parker Denike

John J. Reilly
Or Other Approved Signatory