



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/24/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/24/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Raleigh, Nicolette</u>	Sample Analysis Date(s)	<u>12/24/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-01-01	Pre-Test	Inside Work Area (IWA) - Classroom 208 Containment	07:12	09:15	123	9.93	1,221.39	5.0/100	<7.0	<0.002
193142-01-002-01-02	Pre-Test	IWA - Classroom 208 on W3	07:13	09:16	123	9.93	1,221.39	8.0/100	10.2	0.003
193142-01-002-01-03	Pre-Test	IWA - Classroom 208 on W4	07:13	09:18	125	9.93	1,241.25	6.5/100	8.3	0.003
193142-01-002-01-04	Area Sample	IWA - Classroom 209 Containment on W3	08:58	10:59	121	9.93	1,201.53	9.0/100	11.5	0.004
193142-01-002-01-05	Area Sample	Outside Work Area (OWA) - Classroom 209 by Teachers Desk	08:58	10:59	121	9.93	1,201.53	7.0/100	8.9	0.003
193142-01-002-01-06	Area Sample	IWA - Classroom 208 Containment	09:16	11:20	124	9.93	1,231.32	4.0/100	<7.0	<0.002
193142-01-002-01-07	Area Sample	IWA - Classroom 208 on W3	09:17	11:20	123	9.93	1,221.39	8.5/100	10.8	0.003
193142-01-002-01-08	Area Sample	OWA - Classroom 208 on W4	09:19	11:21	122	9.93	1,211.46	6.0/100	7.6	0.002
193142-01-002-01-09	Field Blank	blank						0.0/100	<7.0	
193142-01-002-01-10	Field Blank	blank						0.0/100	<7.0	

Sample Count 10

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Bag
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Nicolette Raleigh
Sample Notes
Chain of Custody
Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-01-01	Pre-Test	Inside Work Area (IWA) - Classroom 208 Containment	Good	12/24/2019	
193142-01-002-01-02	Pre-Test	IWA - Classroom 208 on W3	Good	12/24/2019	
193142-01-002-01-03	Pre-Test	IWA - Classroom 208 on W4	Good	12/24/2019	
193142-01-002-01-04	Area Sample	IWA - Classroom 209 Containment on W3	Good	12/24/2019	
193142-01-002-01-05	Area Sample	Outside Work Area (OWA) - Classroom 209 by Teachers Desk	Good	12/24/2019	
193142-01-002-01-06	Area Sample	IWA - Classroom 208 Containment	Good	12/24/2019	
193142-01-002-01-07	Area Sample	IWA - Classroom 208 on W3	Good	12/24/2019	
193142-01-002-01-08	Area Sample	OWA - Classroom 208 on W4	Good	12/24/2019	
193142-01-002-01-09	Field Blank	blank	Good	12/24/2019	
193142-01-002-01-10	Field Blank	blank	Good	12/24/2019	

Sample Count 10

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/24/2019	07:00	
Send Reports To	School District of Philadelphia	12/24/2019	07:00	
Samples Taken By	Nicolette Raleigh	12/24/2019	07:15	
Received By	Nicolette Raleigh	12/24/2019	11:20	
Analyzed By	Nicolette Raleigh	12/24/2019	11:50	
Transported By	Nicolette Raleigh	12/24/2019	12:00	



Chain of Custody

Relinquished By

Nicolette Raleigh

12/24/2019 13:00



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/24/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/24/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>12/24/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-02-01	Post-Test	Room 208 in tent near hepa	15:15	17:17	122	9.90	1,207.80	1.0/100	<7.0	<0.002
193142-01-002-02-02	Post-Test	Room 208 in tent near risers	15:16	17:19	123	9.80	1,205.40	0.5/100	<7.0	<0.002
193142-01-002-02-03	Area Sample	Gym storage room (s.) at door	16:00	18:00	120	10.00	1,200.00	2.0/100	<7.0	<0.002
193142-01-002-02-04	Area Sample	Gym storage room (n.) at door	16:01	18:02	121	10.00	1,210.00	2.0/100	<7.0	<0.002
193142-01-002-02-05	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-02-06	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 6

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-02-01	Post-Test	Room 208 in tent near hepa		12/24/2019	
193142-01-002-02-02	Post-Test	Room 208 in tent near risers		12/24/2019	
193142-01-002-02-03	Area Sample	Gym storage room (s.) at door		12/24/2019	
193142-01-002-02-04	Area Sample	Gym storage room (n.) at door		12/24/2019	
193142-01-002-02-05	Field Blank	Blank		12/24/2019	
193142-01-002-02-06	Field Blank	Blank		12/24/2019	

Sample Count 6

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/24/2019	22:19	
Send Reports To	School District of Philadelphia	12/24/2019	22:19	
Samples Taken By	Paul Scally	12/24/2019	22:19	
Analyzed By	P. Scally	12/24/2019	22:19	
Received By	P. Scally	12/24/2019	22:19	
Relinquished By	P. Scally	12/24/2019	22:19	
Transported By	P. Scally	12/24/2019	22:19	



Results of Phase Contrast Microscopy

Client <u>School District of Philadelphia</u>	Site Address <u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date <u>12/26/2019</u>
Project # <u>193142</u>		Sample Received Date <u>12/26/2019</u>
Collected By <u>Criterion Laboratories, Inc.</u>	Analyzed By <u>Oseroff, Samuel</u>	Sample Analysis Date(s) <u>12/26/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-03-01	Post-Test	Room 209 in work area	08:57	11:15	138	9.96	1,374.48	2.0/100	<7.0	<0.002
193142-01-002-03-02	Post-Test	Room 209 in work area	08:57	11:16	139	9.96	1,384.44	3.0/100	<7.0	<0.002
193142-01-002-03-03	Area Sample	Room 201 outside closet	09:02	12:36	214	9.96	2,131.44	6.0/100	7.6	0.001
193142-01-002-03-04	Area Sample	Room 301 outside closet	09:08	12:37	209	9.96	2,081.64	31.5/100	40.1	0.007
193142-01-002-03-05	Post-Test	Basement art room (wraps)	10:08	13:15	187	9.96	1,862.52	4.0/100	<7.0	<0.001
193142-01-002-03-06	Area Sample	Gym office (prep)	12:33	14:38	125	9.96	1,245.00	7.0/100	8.9	0.003
193142-01-002-03-07	Area Sample	Room 201 outside closet	12:38	14:43	125	9.96	1,245.00	5.5/100	7.0	0.002
193142-01-002-03-08	Area Sample	Room 301 outside closet	12:40	14:46	126	9.96	1,254.96	12.5/100	15.9	0.005
193142-01-002-03-09	Post-Test	Gym hallway (wraps)	12:44	14:50	126	9.96	1,254.96	5.0/100	<7.0	<0.002
193142-01-002-03-10	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-03-11	Field Blank	Blank						0.0/100	<7.0	

Sample Count 11

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-03-01	Post-Test	Room 209 in work area		12/26/2019	
193142-01-002-03-02	Post-Test	Room 209 in work area		12/26/2019	
193142-01-002-03-03	Area Sample	Room 201 outside closet		12/26/2019	
193142-01-002-03-04	Area Sample	Room 301 outside closet		12/26/2019	
193142-01-002-03-05	Post-Test	Basement art room (wraps)		12/26/2019	
193142-01-002-03-06	Area Sample	Gym office (prep)		12/26/2019	
193142-01-002-03-07	Area Sample	Room 201 outside closet		12/26/2019	
193142-01-002-03-08	Area Sample	Room 301 outside closet		12/26/2019	
193142-01-002-03-09	Post-Test	Gym hallway (wraps)		12/26/2019	
193142-01-002-03-10	Field Blank	Blank		12/26/2019	
193142-01-002-03-11	Field Blank	Blank		12/26/2019	

Sample Count 11

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/26/2019	14:59	
Send Reports To	School District of Philadelphia	12/26/2019	14:59	
Samples Taken By	Sam Oseroff	12/26/2019	14:59	
Analyzed By	Sam Oseroff	12/26/2019	00:00	
Received By	Sam Oseroff	12/26/2019	00:00	
Relinquished By	Sam Oseroff	12/26/2019	00:00	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/26/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/26/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>12/26/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-04-01	Area Sample	Gym teacher room in tent	15:05	19:05	240	5.00	1,200.00	3.5/100	<7.0	<0.002
193142-01-002-04-02	Area Sample	Gym teacher room at door	15:06	19:06	240	5.00	1,200.00	3.0/100	<7.0	<0.002
193142-01-002-04-03	Area Sample	1st floor hallway at fountain	15:46	19:07	201	6.00	1,206.00	1.5/100	<7.0	<0.002
193142-01-002-04-04	Area Sample	Room 111 at door	15:47	19:08	201	6.00	1,206.00	0.5/100	<7.0	<0.002
193142-01-002-04-05	Area Sample	Gym storage room in tent	17:00	19:01	121	10.00	1,210.00	3.0/100	<7.0	<0.002
193142-01-002-04-06	Area Sample	Gym storage room at door	17:01	19:03	122	9.90	1,207.80	3.5/100	<7.0	<0.002
193142-01-002-04-07	Post-Test	Gym teacher room above hepa	19:05	21:06	121	10.00	1,210.00	3.5/100	<7.0	<0.002
193142-01-002-04-08	Post-Test	Gym teacher room in tent	19:06	21:08	122	9.90	1,207.80	3.5/100	<7.0	<0.002
193142-01-002-04-09	Area Sample	Gym storage room at hepa	19:07	21:09	122	10.00	1,220.00	5.5/100	7.0	0.002
193142-01-002-04-10	Area Sample	Gym storage room at entrance	19:08	21:10	122	9.90	1,207.80	5.5/100	7.0	0.002
193142-01-002-04-11	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-04-12	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 12

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-04-01	Area Sample	Gym teacher room in tent		12/26/2019	
193142-01-002-04-02	Area Sample	Gym teacher room at door		12/26/2019	
193142-01-002-04-03	Area Sample	1st floor hallway at fountain		12/26/2019	
193142-01-002-04-04	Area Sample	Room 111 at door		12/26/2019	
193142-01-002-04-05	Area Sample	Gym storage room in tent		12/26/2019	
193142-01-002-04-06	Area Sample	Gym storage room at door		12/26/2019	
193142-01-002-04-07	Post-Test	Gym teacher room above hepa		12/26/2019	
193142-01-002-04-08	Post-Test	Gym teacher room in tent		12/26/2019	
193142-01-002-04-09	Area Sample	Gym storage room at hepa		12/26/2019	
193142-01-002-04-10	Area Sample	Gym storage room at entrance		12/26/2019	
193142-01-002-04-11	Field Blank	Blank		12/26/2019	
193142-01-002-04-12	Field Blank	Blank		12/26/2019	

Sample Count 12

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/26/2019	23:12	
Send Reports To	School District of Philadelphia	12/26/2019	23:12	
Samples Taken By	Paul Scally	12/26/2019	23:12	
Analyzed By	P. Scally	12/26/2019	23:12	
Received By	P. Scally	12/26/2019	23:12	
Relinquished By	P. Scally	12/26/2019	23:12	
Transported By	P. Scally	12/26/2019	23:12	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/27/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/27/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>12/27/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-05-01	Area Sample	Room 201 outside closet	07:35	11:03	208	9.96	2,071.68	3.0/100	<7.0	<0.001
193142-01-002-05-02	Area Sample	Room 301 outside closet	07:38	10:08	150	9.96	1,494.00	20.0/100	25.5	0.007
193142-01-002-05-03	Post-Test	Art room in tent	09:30	11:38	128	9.96	1,274.88	2.0/100	<7.0	<0.002
193142-01-002-05-04	Post-Test	Art room in tent	09:31	11:38	127	9.96	1,264.92	3.0/100	<7.0	<0.002
193142-01-002-05-05	Post-Test	1st floor counselor office (wrap)	09:35	11:40	125	9.96	1,245.00	5.5/100	7.0	0.002
193142-01-002-05-06	Post-Test	1st floor mens restroom (wrap)	09:40	11:43	123	9.96	1,225.08	4.0/100	<7.0	<0.002
193142-01-002-05-07	Post-Test	1st floor boys restroom by new wing (wrap)	09:43	11:45	122	9.96	1,215.12	7.0/100	8.9	0.003
193142-01-002-05-08	Area Sample	301 outside work area at desk	10:09	12:18	129	9.96	1,284.84	13.5/100	17.2	0.005
193142-01-002-05-09	Area Sample	301 inside work area in closer	10:10	12:19	129	9.96	1,284.84	21.0/100	26.8	0.008
193142-01-002-05-10	Area Sample	208 outside closet (prep)	10:25	14:20	235	9.96	2,340.60	5.0/100	<7.0	<0.001
193142-01-002-05-11	Area Sample	Gym outside coach office	11:33	14:25	172	9.96	1,713.12	9.5/100	12.1	0.003
193142-01-002-05-12	Area Sample	Room 201 outside tent (prep)	12:22	14:28	126	9.96	1,254.96	6.0/100	7.6	0.002
193142-01-002-05-13	Area Sample	Room 304 (prep)	12:29	14:31	122	9.96	1,215.12	3.0/100	<7.0	<0.002
193142-01-002-05-14	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-05-15	Field Blank	Blank						0.0/100	<7.0	

Sample Count 15

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-05-01	Area Sample	Room 201 outside closet		12/27/2019	
193142-01-002-05-02	Area Sample	Room 301 outside closet		12/27/2019	
193142-01-002-05-03	Post-Test	Art room in tent		12/27/2019	
193142-01-002-05-04	Post-Test	Art room in tent		12/27/2019	
193142-01-002-05-05	Post-Test	1st floor counselor office (wrap)		12/27/2019	
193142-01-002-05-06	Post-Test	1st floor mens restroom (wrap)		12/27/2019	
193142-01-002-05-07	Post-Test	1st floor boys restroom by new wing (wrap)		12/27/2019	
193142-01-002-05-08	Area Sample	301 outside work area at desk		12/27/2019	
193142-01-002-05-09	Area Sample	301 inside work area in closer		12/27/2019	
193142-01-002-05-10	Area Sample	208 outside closet (prep)		12/27/2019	
193142-01-002-05-11	Area Sample	Gym outside coach office		12/27/2019	
193142-01-002-05-12	Area Sample	Room 201 outside tent (prep)		12/27/2019	
193142-01-002-05-13	Area Sample	Room 304 (prep)		12/27/2019	
193142-01-002-05-14	Field Blank	Blank		12/27/2019	
193142-01-002-05-15	Field Blank	Blank		12/27/2019	

Sample Count 15

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/27/2019	14:48	
Send Reports To	School District of Philadelphia	12/27/2019	14:48	



Chain of Custody

Samples Taken By	Sam Oseroff	12/27/2019	14:48
Received By	Sam Oseroff	12/27/2019	00:00
Relinquished By	Sam Oseroff	12/27/2019	00:00
Analyzed By	Sam Oseroff	12/27/2019	00:00



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/27/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/27/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>12/27/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-06-01	Area Sample	201 in closet	15:20	17:22	122	9.90	1,207.80	11.0/100	14.0	0.004
193142-01-002-06-02	Post-Test	211 at closet	15:25	17:26	121	10.00	1,210.00	3.0/100	<7.0	<0.002
193142-01-002-06-03	Post-Test	Gym at E. Storage Room	15:30	17:30	120	10.00	1,200.00	6.5/100	8.3	0.003
193142-01-002-06-04	Post-Test	Gym at E. Storage Room	15:31	17:31	120	10.00	1,200.00	5.0/100	<7.0	<0.002
193142-01-002-06-05	Post-Test	212 at desk	15:33	17:36	123	9.80	1,205.40	6.5/100	8.3	0.003
193142-01-002-06-06	Area Sample	304 at center	16:00	18:30	150	8.00	1,200.00	5.0/100	<7.0	<0.002
193142-01-002-06-07	Post-Test	213 at screen	17:26	19:30	124	9.80	1,215.20	2.0/100	<7.0	<0.002
193142-01-002-06-08	Post-Test	111 closet in tent	18:15	20:25	130	10.00	1,300.00	6.5/100	8.3	0.002
193142-01-002-06-09	Post-Test	111 closet at riser	18:16	20:26	130	10.00	1,300.00	8.0/100	10.2	0.003
193142-01-002-06-10	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-06-11	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 11

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-06-01	Area Sample	201 in closet		12/27/2019	
193142-01-002-06-02	Post-Test	211 at closet		12/27/2019	
193142-01-002-06-03	Post-Test	Gym at E. Storage Room		12/27/2019	
193142-01-002-06-04	Post-Test	Gym at E. Storage Room		12/27/2019	
193142-01-002-06-05	Post-Test	212 at desk		12/27/2019	
193142-01-002-06-06	Area Sample	304 at center		12/27/2019	
193142-01-002-06-07	Post-Test	213 at screen		12/27/2019	
193142-01-002-06-08	Post-Test	111 closet in tent		12/27/2019	
193142-01-002-06-09	Post-Test	111 closet at riser		12/27/2019	
193142-01-002-06-10	Field Blank	Blank		12/27/2019	
193142-01-002-06-11	Field Blank	Blank		12/27/2019	

Sample Count 11

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/27/2019	23:22	
Send Reports To	School District of Philadelphia	12/27/2019	23:22	
Samples Taken By	Paul Scally	12/27/2019	23:22	
Analyzed By	P. Scally	12/27/2019	23:22	
Received By	P. Scally	12/27/2019	23:22	
Relinquished By	P. Scally	12/27/2019	23:22	
Transported By	P. Scally	12/27/2019	23:22	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/28/2019</u>
Project #	<u>193142</u>	Sample Received Date	<u>12/28/2019</u>		
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>12/28/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-07-01	Post-Test	301 closet in work area	08:18	10:32	134	9.96	1,334.64	4.0/100	<7.0	<0.002
193142-01-002-07-02	Post-Test	301 closet in work area	08:19	10:32	133	9.96	1,324.68	2.0/100	<7.0	<0.002
193142-01-002-07-03	Area Sample	304 in tent	08:23	10:26	123	9.96	1,225.08	11.0/100	14.0	0.004
193142-01-002-07-04	Area Sample	304 outside tent	08:23	10:26	123	9.96	1,225.08	4.0/100	<7.0	<0.002
193142-01-002-07-05	Area Sample	201 inside tent	08:30	10:42	132	9.96	1,314.72	13.5/100	17.2	0.005
193142-01-002-07-06	Area Sample	201 outside decon	08:31	10:43	132	9.96	1,314.72	6.0/100	7.6	0.002
193142-01-002-07-07	Area Sample	208 outside closet (prep)	08:37	12:06	209	9.96	2,081.64	4.5/100	<7.0	<0.001
193142-01-002-07-08	Area Sample	113 outside closet (prep)	08:45	12:08	203	9.96	2,021.88	6.0/100	7.6	0.001
193142-01-002-07-09	Post-Test	304 in tent	09:42	12:00	138	9.96	1,374.48	5.0/100	<7.0	<0.002
193142-01-002-07-10	Post-Test	304 in tent	09:43	12:00	137	9.96	1,364.52	7.0/100	8.9	0.003
193142-01-002-07-11	Area Sample	208 outside closet (prep)	12:07	14:21	134	9.96	1,334.64	6.0/100	7.6	0.002
193142-01-002-07-12	Area Sample	113 outside closet	12:16	14:24	128	9.96	1,274.88	9.0/100	11.5	0.003
193142-01-002-07-13	Area Sample	113 in work area closet	12:18	14:24	126	9.96	1,254.96	15.5/100	19.7	0.006
193142-01-002-07-14	Post-Test	Hallway between 210&stairwell (repair)	13:05	15:13	128	9.96	1,274.88	2.5/100	<7.0	<0.002
193142-01-002-07-15	Post-Test	210 (repair)	13:00	15:14	134	9.96	1,334.64	2.0/100	<7.0	<0.002
193142-01-002-07-16	Post-Test	Nurses office (repair)	13:07	15:16	129	9.96	1,284.84	4.0/100	<7.0	<0.002
193142-01-002-07-17	Post-Test	305 in tent	14:07	16:23	136	9.96	1,354.56	5.0/100	<7.0	<0.002
193142-01-002-07-18	Post-Test	305 in tent	14:08	16:24	136	9.96	1,354.56	5.5/100	7.0	0.002
193142-01-002-07-19	Post-Test	113 in tent	14:37	16:49	132	9.96	1,314.72	7.5/100	9.6	0.003
193142-01-002-07-20	Post-Test	113 in tent	14:38	16:49	131	9.96	1,304.76	5.0/100	<7.0	<0.002
193142-01-002-07-21	Post-Test	206 by windows (repair)	15:19	17:25	126	9.96	1,254.96	3.0/100	<7.0	<0.002
193142-01-002-07-22	Post-Test	205/IMC by office door (repair)	15:21	17:29	128	9.96	1,274.88	3.0/100	<7.0	<0.002
193142-01-002-07-23	Post-Test	203 by desk (repair)	15:24	17:33	129	9.96	1,284.84	2.0/100	<7.0	<0.002
193142-01-002-07-24	Post-Test	202 by windows (repair)	15:28	17:38	130	9.96	1,294.80	5.0/100	<7.0	<0.002
193142-01-002-07-25	Post-Test	201 by windows (repair)	15:30	17:41	131	9.96	1,304.76	2.5/100	<7.0	<0.002
193142-01-002-07-26	Post-Test	218/assistant principal office (repair)	15:33	17:43	130	9.96	1,294.80	2.0/100	<7.0	<0.002
193142-01-002-07-27	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-07-28	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-07-29	Field Blank	Blank						0.0/100	<7.0	

Sample Count 29



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/28/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/28/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>12/28/2019</u>

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-07-01	Post-Test	301 closet in work area		12/28/2019	
193142-01-002-07-02	Post-Test	301 closet in work area		12/28/2019	
193142-01-002-07-03	Area Sample	304 in tent		12/28/2019	
193142-01-002-07-04	Area Sample	304 outside tent		12/28/2019	
193142-01-002-07-05	Area Sample	201 inside tent		12/28/2019	
193142-01-002-07-06	Area Sample	201 outside decon		12/28/2019	
193142-01-002-07-07	Area Sample	208 outside closet (prep)		12/28/2019	
193142-01-002-07-08	Area Sample	113 outside closet (prep)		12/28/2019	
193142-01-002-07-09	Post-Test	304 in tent		12/28/2019	
193142-01-002-07-10	Post-Test	304 in tent		12/28/2019	
193142-01-002-07-11	Area Sample	208 outside closet (prep)		12/28/2019	
193142-01-002-07-12	Area Sample	113 outside closet		12/28/2019	
193142-01-002-07-13	Area Sample	113 in work area closet		12/28/2019	
193142-01-002-07-14	Post-Test	Hallway between 210&stairwell (repair)		12/28/2019	
193142-01-002-07-15	Post-Test	210 (repair)		12/28/2019	
193142-01-002-07-16	Post-Test	Nurses office (repair)		12/28/2019	
193142-01-002-07-17	Post-Test	305 in tent		12/28/2019	
193142-01-002-07-18	Post-Test	305 in tent		12/28/2019	
193142-01-002-07-19	Post-Test	113 in tent		12/28/2019	
193142-01-002-07-20	Post-Test	113 in tent		12/28/2019	
193142-01-002-07-21	Post-Test	206 by windows (repair)		12/28/2019	
193142-01-002-07-22	Post-Test	205/IMC by office door (repair)		12/28/2019	



Chain of Custody

193142-01-002-07-23	Post-Test	203 by desk (repair)	12/28/2019
193142-01-002-07-24	Post-Test	202 by windows (repair)	12/28/2019
193142-01-002-07-25	Post-Test	201 by windows (repair)	12/28/2019
193142-01-002-07-26	Post-Test	218/assistant principal office (repair)	12/28/2019
193142-01-002-07-27	Field Blank	Blank	12/28/2019
193142-01-002-07-28	Field Blank	Blank	12/28/2019
193142-01-002-07-29	Field Blank	Blank	12/28/2019

Sample Count 29

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/28/2019	18:05	
Send Reports To	School District of Philadelphia	12/28/2019	18:05	
Samples Taken By	Sam Oseroff	12/28/2019	18:05	
Received By	Sam Oseroff	12/28/2019	00:00	
Relinquished By	Sam Oseroff	12/28/2019	00:00	
Analyzed By	Sam Oseroff	12/28/2019	00:00	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/29/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/29/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>12/29/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-08-01	Area Sample	310 at tent	07:10	10:31	201	6.00	1,206.00	1.5/100	<7.0	<0.002
193142-01-002-08-02	Area Sample	208 at desk	07:15	10:35	200	6.00	1,200.00	3.0/100	<7.0	<0.002
193142-01-002-08-03	Area Sample	213 at entrance	07:18	10:39	201	6.00	1,206.00	4.5/100	<7.0	<0.002
193142-01-002-08-04	Area Sample	312 at center	07:20	10:40	200	6.00	1,200.00	4.5/100	<7.0	<0.002
193142-01-002-08-05	Post-Test	310 in tent above hepa	10:31	12:32	121	10.00	1,210.00	11.5/100	14.7	0.005
193142-01-002-08-06	Post-Test	310 in tent at riser	10:32	12:34	122	9.90	1,207.80	11.5/100	14.7	0.005
193142-01-002-08-07	Area Sample	Basement near B-5	10:36	13:07	151	8.00	1,208.00	4.0/100	<7.0	<0.002
193142-01-002-08-08	Area Sample	208 at door	10:38	13:09	151	8.00	1,208.00	5.5/100	7.0	0.002
193142-01-002-08-09	Area Sample	213 at entrance	10:39	13:13	154	8.00	1,232.00	4.5/100	<7.0	<0.002
193142-01-002-08-10	Area Sample	312 at entrance	10:41	13:15	154	8.00	1,232.00	6.5/100	8.3	0.003
193142-01-002-08-11	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-08-12	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 12

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-08-01	Area Sample	310 at tent		12/30/2019	
193142-01-002-08-02	Area Sample	208 at desk		12/30/2019	
193142-01-002-08-03	Area Sample	213 at entrance		12/30/2019	
193142-01-002-08-04	Area Sample	312 at center		12/30/2019	
193142-01-002-08-05	Post-Test	310 in tent above hepa		12/30/2019	
193142-01-002-08-06	Post-Test	310 in tent at riser		12/30/2019	
193142-01-002-08-07	Area Sample	Basement near B-5		12/30/2019	
193142-01-002-08-08	Area Sample	208 at door		12/30/2019	
193142-01-002-08-09	Area Sample	213 at entrance		12/30/2019	
193142-01-002-08-10	Area Sample	312 at entrance		12/30/2019	
193142-01-002-08-11	Field Blank	Blank		12/30/2019	
193142-01-002-08-12	Field Blank	Blank		12/30/2019	

Sample Count 12

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/29/2019	15:15	
Send Reports To	School District of Philadelphia	12/29/2019	15:15	
Samples Taken By	Paul Scally	12/29/2019	15:15	
Analyzed By	P. Scally	12/29/2019	15:15	
Received By	P. Scally	12/29/2019	15:15	
Relinquished By	P. Scally	12/29/2019	15:15	
Transported By	P. Scally	12/29/2019	15:15	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/30/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/30/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>12/30/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-09-01	Post-Test	208 closet in work area	07:34	09:54	140	9.96	1,394.40	5.0/100	<7.0	<0.002
193142-01-002-09-02	Post-Test	208 closet in work area	07:35	09:54	139	9.96	1,384.44	6.0/100	7.6	0.002
193142-01-002-09-03	Post-Test	B5 in work area	07:41	09:45	124	9.96	1,235.04	3.5/100	<7.0	<0.002
193142-01-002-09-04	Post-Test	B5 in work area	07:41	09:46	125	9.96	1,245.00	5.0/100	<7.0	<0.002
193142-01-002-09-05	Post-Test	313 (repairs)	08:02	10:20	138	9.96	1,374.48	3.0/100	<7.0	<0.002
193142-01-002-09-06	Post-Test	Storage room 313C (repairs)	08:05	10:16	131	9.96	1,304.76	6.0/100	7.6	0.002
193142-01-002-09-07	Post-Test	312 (repairs)	08:09	10:22	133	9.96	1,324.68	2.5/100	<7.0	<0.002
193142-01-002-09-08	Post-Test	311 (repairs)	08:12	10:24	132	9.96	1,314.72	4.0/100	<7.0	<0.002
193142-01-002-09-09	Post-Test	310 (repairs)	08:15	10:26	131	9.96	1,304.76	2.0/100	<7.0	<0.002
193142-01-002-09-10	Post-Test	Basement custodial closet (repairs)	10:06	12:22	136	9.96	1,354.56	5.0/100	<7.0	<0.002
193142-01-002-09-11	Post-Test	B4 (repairs)	10:08	12:25	137	9.96	1,364.52	4.5/100	<7.0	<0.002
193142-01-002-09-12	Post-Test	B7 (repairs)	10:12	12:28	136	9.96	1,354.56	5.0/100	<7.0	<0.002
193142-01-002-09-13	Area Sample	312 in work area	11:22	13:25	123	9.96	1,225.08	22.5/100	28.7	0.009
193142-01-002-09-14	Area Sample	312 outside work area	11:23	13:25	122	9.96	1,215.12	6.0/100	7.6	0.002
193142-01-002-09-15	Area Sample	213 in work area	11:28	13:44	136	9.96	1,354.56	16.5/100	21.0	0.006
193142-01-002-09-16	Area Sample	213 outside work area	11:29	13:45	136	9.96	1,354.56	8.5/100	10.8	0.003
193142-01-002-09-17	Post-Test	312 in work area	12:50	15:00	130	9.96	1,294.80	6.5/100	8.3	0.002
193142-01-002-09-18	Post-Test	312 in work area	12:50	15:00	130	9.96	1,294.80	9.0/100	11.5	0.003
193142-01-002-09-19	Post-Test	213 in work area	13:45	16:00	135	9.96	1,344.60	6.0/100	7.6	0.002
193142-01-002-09-20	Post-Test	213 in work area	13:45	16:00	135	9.96	1,344.60	5.0/100	<7.0	<0.002
193142-01-002-09-21	Area Sample	306 in work area by windows	14:32	18:15	223	9.96	2,221.08	27.0/100	34.4	0.006
193142-01-002-09-22	Area Sample	306 outside work area	14:32	18:15	223	9.96	2,221.08	9.0/100	11.5	0.002
193142-01-002-09-23	Post-Test	Basement Hall by art room	14:40	16:56	136	9.96	1,354.56	6.0/100	7.6	0.002
193142-01-002-09-24	Post-Test	Basement Hall by new wing	14:43	16:59	136	9.96	1,354.56	4.0/100	<7.0	<0.002
193142-01-002-09-25	Post-Test	Basement Hall by B2	14:49	17:03	134	9.96	1,334.64	7.0/100	8.9	0.003
193142-01-002-09-26	Post-Test	Basement hallway by large storage room	14:51	17:06	135	9.96	1,344.60	5.5/100	7.0	0.002
193142-01-002-09-27	Post-Test	Gym kitchen side	15:36	17:50	134	9.96	1,334.64	3.0/100	<7.0	<0.002
193142-01-002-09-28	Post-Test	Gym art room side	15:39	17:51	132	9.96	1,314.72	7.0/100	8.9	0.003
193142-01-002-09-29	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-09-30	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-09-31	Field Blank	Blank						0.0/100	<7.0	

Sample Count 31



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/30/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/30/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>12/30/2019</u>

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-09-01	Post-Test	208 closet in work area		12/30/2019	
193142-01-002-09-02	Post-Test	208 closet in work area		12/30/2019	
193142-01-002-09-03	Post-Test	B5 in work area		12/30/2019	
193142-01-002-09-04	Post-Test	B5 in work area		12/30/2019	
193142-01-002-09-05	Post-Test	313 (repairs)		12/30/2019	
193142-01-002-09-06	Post-Test	Storage room 313C (repairs)		12/30/2019	
193142-01-002-09-07	Post-Test	312 (repairs)		12/30/2019	
193142-01-002-09-08	Post-Test	311 (repairs)		12/30/2019	
193142-01-002-09-09	Post-Test	310 (repairs)		12/30/2019	
193142-01-002-09-10	Post-Test	Basement custodial closet (repairs)		12/30/2019	
193142-01-002-09-11	Post-Test	B4 (repairs)		12/30/2019	
193142-01-002-09-12	Post-Test	B7 (repairs)		12/30/2019	
193142-01-002-09-13	Area Sample	312 in work area		12/30/2019	
193142-01-002-09-14	Area Sample	312 outside work area		12/30/2019	
193142-01-002-09-15	Area Sample	213 in work area		12/30/2019	
193142-01-002-09-16	Area Sample	213 outside work area		12/30/2019	
193142-01-002-09-17	Post-Test	312 in work area		12/30/2019	
193142-01-002-09-18	Post-Test	312 in work area		12/30/2019	
193142-01-002-09-19	Post-Test	213 in work area		12/30/2019	
193142-01-002-09-20	Post-Test	213 in work area		12/30/2019	
193142-01-002-09-21	Area Sample	306 in work area by windows		12/30/2019	
193142-01-002-09-22	Area Sample	306 outside work area		12/30/2019	
193142-01-002-09-23	Post-Test	Basement Hall by art room		12/30/2019	



Chain of Custody

193142-01-002-09-24	Post-Test	Basement Hall by new wing	12/30/2019
193142-01-002-09-25	Post-Test	Basement Hall by B2	12/30/2019
193142-01-002-09-26	Post-Test	Basement hallway by large storage room	12/30/2019
193142-01-002-09-27	Post-Test	Gym kitchen side	12/30/2019
193142-01-002-09-28	Post-Test	Gym art room side	12/30/2019
193142-01-002-09-29	Field Blank	Blank	12/30/2019
193142-01-002-09-30	Field Blank	Blank	12/30/2019
193142-01-002-09-31	Field Blank	Blank	12/30/2019

Sample Count 31

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/30/2019	18:30	
Send Reports To	School District of Philadelphia	12/30/2019	18:30	
Samples Taken By	Sam Oseroff	12/30/2019	18:30	
Received By	Sam Oseroff	12/30/2019	00:00	
Relinquished By	Sam Oseroff	12/30/2019	00:00	
Analyzed By	Sam Oseroff	12/30/2019	00:00	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>12/31/2019</u>
Project #	<u>193142</u>			Sample Received Date	<u>12/31/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>12/31/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-10-01	Post-Test	306 in tent	07:23	09:48	145	9.96	1,444.20	4.0/100	<7.0	<0.002
193142-01-002-10-02	Post-Test	306 in tent	07:24	09:48	144	9.96	1,434.24	4.0/100	<7.0	<0.002
193142-01-002-10-03	Post-Test	Lunch room (repairs)	07:33	09:53	140	9.96	1,394.40	3.0/100	<7.0	<0.002
193142-01-002-10-04	Post-Test	110 by desk (repair)	09:58	12:11	133	9.96	1,324.68	5.0/100	<7.0	<0.002
193142-01-002-10-05	Post-Test	109 center (repair)	10:02	12:13	131	9.96	1,304.76	4.5/100	<7.0	<0.002
193142-01-002-10-06	Post-Test	107 by desk (repair)	10:05	12:16	131	9.96	1,304.76	6.0/100	7.6	0.002
193142-01-002-10-07	Post-Test	103 by windows (repair)	10:08	12:20	132	9.96	1,314.72	3.0/100	<7.0	<0.002
193142-01-002-10-08	Post-Test	101 at bathroom door (repair)	10:12	12:23	131	9.96	1,304.76	2.5/100	<7.0	<0.002
193142-01-002-10-09	Post-Test	B5 rear wall (repair)	10:19	12:30	131	9.96	1,304.76	4.0/100	<7.0	<0.002
193142-01-002-10-10	Post-Test	B6 by desk (repair)	10:21	12:31	130	9.96	1,294.80	5.0/100	<7.0	<0.002
193142-01-002-10-11	Post-Test	Staff men's restroom 2nd floor new wing	10:32	12:38	126	9.96	1,254.96	2.0/100	<7.0	<0.002
193142-01-002-10-12	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-10-13	Field Blank	Blank						0.0/100	<7.0	

Sample Count 13

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-10-01	Post-Test	306 in tent		12/31/2019	
193142-01-002-10-02	Post-Test	306 in tent		12/31/2019	
193142-01-002-10-03	Post-Test	Lunch room (repairs)		12/31/2019	
193142-01-002-10-04	Post-Test	110 by desk (repair)		12/31/2019	
193142-01-002-10-05	Post-Test	109 center (repair)		12/31/2019	
193142-01-002-10-06	Post-Test	107 by desk (repair)		12/31/2019	
193142-01-002-10-07	Post-Test	103 by windows (repair)		12/31/2019	
193142-01-002-10-08	Post-Test	101 at bathroom door (repair)		12/31/2019	
193142-01-002-10-09	Post-Test	B5 rear wall (repair)		12/31/2019	
193142-01-002-10-10	Post-Test	B6 by desk (repair)		12/31/2019	
193142-01-002-10-11	Post-Test	Staff men's restroom 2nd floor new wing		12/31/2019	
193142-01-002-10-12	Field Blank	Blank		12/31/2019	
193142-01-002-10-13	Field Blank	Blank		12/31/2019	

Sample Count 13

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/31/2019	12:54	
Send Reports To	School District of Philadelphia	12/31/2019	12:54	
Samples Taken By	Sam Oseroff	12/31/2019	12:54	
Analyzed By	Sam Oseroff	12/31/2019	00:00	
Received By	Sam Oseroff	12/31/2019	00:00	
Relinquished By	Sam Oseroff	12/31/2019	00:00	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/2/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/2/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>1/3/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-12-01	Area Sample	108 at closet	16:20	18:23	123	9.80	1,205.40	2.0/100	<7.0	<0.002
193142-01-002-12-02	Area Sample	108 at entrance	16:21	18:26	125	9.90	1,237.50	4.0/100	<7.0	<0.002
193142-01-002-12-03	Post-Test	104 at screen	18:25	20:56	151	8.90	1,343.90	2.0/100	<7.0	<0.002
193142-01-002-12-04	Post-Test	At Main Office	18:26	20:58	152	8.00	1,216.00	1.0/100	<7.0	<0.002
193142-01-002-12-05	Area Sample	At gym storage room	18:30	21:00	150	8.00	1,200.00	2.0/100	<7.0	<0.002
193142-01-002-12-06	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-12-07	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 7

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-12-01	Area Sample	108 at closet		1/3/2020	
193142-01-002-12-02	Area Sample	108 at entrance		1/3/2020	
193142-01-002-12-03	Post-Test	104 at screen		1/3/2020	
193142-01-002-12-04	Post-Test	At Main Office		1/3/2020	
193142-01-002-12-05	Area Sample	At gym storage room		1/3/2020	
193142-01-002-12-06	Field Blank	Blank		1/3/2020	
193142-01-002-12-07	Field Blank	Blank		1/3/2020	

Sample Count 7

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/2/2020	23:28	
Send Reports To	School District of Philadelphia	1/2/2020	23:28	
Samples Taken By	Paul Scally	1/2/2020	23:28	
Analyzed By	P. Scally	1/2/2020	23:28	
Received By	P. Scally	1/2/2020	23:28	
Relinquished By	P. Scally	1/2/2020	23:28	
Transported By	P. Scally	1/2/2020	23:28	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/3/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/3/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>1/3/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-14-01	Area Sample	314 at closet	15:08	16:38	90	10.00	900.00	1.0/100	<7.0	<0.003
193142-01-002-14-02	Area Sample	301 at door near adjacent closet	15:09	16:40	91	10.00	910.00	1.0/100	<7.0	<0.003
193142-01-002-14-03	Area Sample	107 at entrance	16:42	20:43	241	5.00	1,205.00	1.5/100	<7.0	<0.002
193142-01-002-14-04	Area Sample	103 at desk	16:43	20:45	242	5.00	1,210.00	1.0/100	<7.0	<0.002
193142-01-002-14-05	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-14-06	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 6

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-14-01	Area Sample	314 at closet		1/3/2020	
193142-01-002-14-02	Area Sample	301 at door near adjacent closet		1/3/2020	
193142-01-002-14-03	Area Sample	107 at entrance		1/3/2020	
193142-01-002-14-04	Area Sample	103 at desk		1/3/2020	
193142-01-002-14-05	Field Blank	Blank		1/3/2020	
193142-01-002-14-06	Field Blank	Blank		1/3/2020	

Sample Count 6

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/3/2020	23:22	
Send Reports To	School District of Philadelphia	1/3/2020	23:22	
Samples Taken By	Paul Scally	1/3/2020	23:22	
Analyzed By	P. Scally	1/3/2020	23:22	
Received By	P. Scally	1/3/2020	23:22	
Relinquished By	P. Scally	1/3/2020	23:22	
Transported By	P. Scally	1/3/2020	23:22	



Results of Phase Contrast Microscopy

Client School District of Philadelphia Site Address Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111 Sample Date 1/4/2020
 Project # 193142 Sample Received Date 1/4/2020
 Collected By Criterion Laboratories, Inc. Analyzed By Scally, Paul Sample Analysis Date(s) 1/4/2020

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-15-01	Post-Test	314 at vat-job	07:40	09:43	123	9.80	1,205.40	1.5/100	<7.0	<0.002
193142-01-002-15-02	Post-Test	3rd floor print-room at door	07:41	09:45	124	9.80	1,215.20	1.5/100	<7.0	<0.002
193142-01-002-15-03	Post-Test	313 at radiator	08:00	10:00	120	10.00	1,200.00	1.0/100	<7.0	<0.002
193142-01-002-15-04	Post-Test	3rd floor storage room (SR) at table	08:01	10:02	121	10.00	1,210.00	0.5/100	<7.0	<0.002
193142-01-002-15-05	Post-Test	3rd floor SR at s.w. corner at door	08:49	10:52	123	9.90	1,217.70	1.0/100	<7.0	<0.002
193142-01-002-15-06	Post-Test	3rd floor Utility Room at entrance	08:50	10:53	123	9.90	1,217.70	2.5/100	<7.0	<0.002
193142-01-002-15-07	Post-Test	213 at radiator	10:30	13:03	153	8.00	1,224.00	2.0/100	<7.0	<0.002
193142-01-002-15-08	Post-Test	2nd floor Utility Room at door	10:31	13:05	154	8.00	1,232.00	2.5/100	<7.0	<0.002
193142-01-002-15-09	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-15-10	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 10

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-15-01	Post-Test	314 at vat-job		1/4/2020	
193142-01-002-15-02	Post-Test	3rd floor print-room at door		1/4/2020	
193142-01-002-15-03	Post-Test	313 at radiator		1/4/2020	
193142-01-002-15-04	Post-Test	3rd floor storage room (SR) at table		1/4/2020	
193142-01-002-15-05	Post-Test	3rd floor SR at s.w. corner at door		1/4/2020	
193142-01-002-15-06	Post-Test	3rd floor Utility Room at entrance		1/4/2020	
193142-01-002-15-07	Post-Test	213 at radiator		1/4/2020	
193142-01-002-15-08	Post-Test	2nd floor Utility Room at door		1/4/2020	
193142-01-002-15-09	Field Blank	Blank		1/4/2020	
193142-01-002-15-10	Field Blank	Blank		1/4/2020	

Sample Count 10

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/4/2020	15:26	
Send Reports To	School District of Philadelphia	1/4/2020	15:26	
Samples Taken By	Paul Scally	1/4/2020	15:26	
Analyzed By	P. Scally	1/4/2020	15:26	
Received By	P. Scally	1/4/2020	15:26	
Relinquished By	P. Scally	1/4/2020	15:26	
Transported By	P. Scally	1/4/2020	15:26	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/5/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/5/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>1/5/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-16-01	Post-Test	103 at cap-job	07:38	10:08	150	8.00	1,200.00	1.5/100	<7.0	<0.002
193142-01-002-16-02	Post-Test	101 bathroom at cap-job	07:39	10:09	150	8.00	1,200.00	1.0/100	<7.0	<0.002
193142-01-002-16-03	Post-Test	Closet across from 207	10:10	12:13	123	9.90	1,217.70	0.5/100	<7.0	<0.002
193142-01-002-16-04	Post-Test	203 at cap-job	10:11	12:14	123	9.80	1,205.40	1.0/100	<7.0	<0.002
193142-01-002-16-05	Post-Test	1st floor s.w. hallway at vat-job	10:55	13:00	125	9.90	1,237.50	1.5/100	<7.0	<0.002
193142-01-002-16-06	Post-Test	1st floor Utility Room	10:56	13:01	125	9.80	1,225.00	2.0/100	<7.0	<0.002
193142-01-002-16-07	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-16-08	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 8

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody
Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-16-01	Post-Test	103 at cap-job		1/5/2020	
193142-01-002-16-02	Post-Test	101 bathroom at cap-job		1/5/2020	
193142-01-002-16-03	Post-Test	Closet across from 207		1/5/2020	
193142-01-002-16-04	Post-Test	203 at cap-job		1/5/2020	
193142-01-002-16-05	Post-Test	1st floor s.w. hallway at vat-job		1/5/2020	
193142-01-002-16-06	Post-Test	1st floor Utility Room		1/5/2020	
193142-01-002-16-07	Field Blank	Blank		1/5/2020	
193142-01-002-16-08	Field Blank	Blank		1/5/2020	

Sample Count 8

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/5/2020	15:42	
Send Reports To	School District of Philadelphia	1/5/2020	15:42	
Samples Taken By	Paul Scally	1/5/2020	15:42	
Analyzed By	P. Scally	1/5/2020	15:42	
Received By	P. Scally	1/5/2020	15:42	
Relinquished By	P. Scally	1/5/2020	15:42	
Transported By	P. Scally	1/5/2020	15:42	



Results of Phase Contrast Microscopy

Client School District of Philadelphia Site Address Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111 Sample Date 1/6/2020
 Project # 193142 Sample Received Date 1/6/2020
 Collected By Criterion Laboratories, Inc. Analyzed By Scally, Paul Sample Analysis Date(s) 1/6/2020

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-17-01	Post-Test	2nd floor hallway at 210	15:15	17:15	120	10.00	1,200.00	2.0/100	<7.0	<0.002
193142-01-002-17-02	Area Sample	108 at entrance	15:17	19:18	241	5.00	1,205.00	1.5/100	<7.0	<0.002
193142-01-002-17-03	Area Sample	107 at desk	15:18	19:20	242	5.00	1,210.00	2.0/100	<7.0	<0.002
193142-01-002-17-04	Area Sample	107 at entrance	17:15	19:15	120	10.00	1,200.00	1.5/100	<7.0	<0.002
193142-01-002-17-05	Area Sample	108 near closet	19:19	21:21	122	9.90	1,207.80	2.0/100	<7.0	<0.002
193142-01-002-17-06	Area Sample	107 at riser	19:20	21:25	125	9.80	1,225.00	12.5/100	15.9	0.005
193142-01-002-17-07	Area Sample	107 at entrance	19:21	21:26	125	10.00	1,250.00	1.5/100	<7.0	<0.002
193142-01-002-17-08	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-17-09	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 9

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody
Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-17-01	Post-Test	2nd floor hallway at 210		1/6/2020	
193142-01-002-17-02	Area Sample	108 at entrance		1/6/2020	
193142-01-002-17-03	Area Sample	107 at desk		1/6/2020	
193142-01-002-17-04	Area Sample	107 at entrance		1/6/2020	
193142-01-002-17-05	Area Sample	108 near closet		1/6/2020	
193142-01-002-17-06	Area Sample	107 at riser		1/6/2020	
193142-01-002-17-07	Area Sample	107 at entrance		1/6/2020	
193142-01-002-17-08	Field Blank	Blank		1/6/2020	
193142-01-002-17-09	Field Blank	Blank		1/6/2020	

Sample Count 9

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/6/2020	23:18	
Send Reports To	School District of Philadelphia	1/6/2020	23:18	
Samples Taken By	Paul Scally	1/6/2020	23:18	
Analyzed By	P. Scally	1/6/2020	23:18	
Received By	P. Scally	1/6/2020	23:18	
Relinquished By	P. Scally	1/6/2020	23:18	
Transported By	P. Scally	1/6/2020	23:18	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/7/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/7/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>1/7/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-18-01	Post-Test	107 in tent at hepa inlet	11:15	13:15	120	10.00	1,200.00	1.0/100	<7.0	<0.002
193142-01-002-18-02	Post-Test	107 in tent at riser	11:16	13:17	121	10.00	1,210.00	0.5/100	<7.0	<0.002
193142-01-002-18-03	Area Sample	108 at entrance	11:30	14:52	202	6.00	1,212.00	1.5/100	<7.0	<0.002
193142-01-002-18-04	Area Sample	101 near bathroom	11:45	15:06	201	6.00	1,206.00	1.0/100	<7.0	<0.002
193142-01-002-18-05	Area Sample	314 at desk	12:20	15:40	200	6.00	1,200.00	1.0/100	<7.0	<0.002
193142-01-002-18-06	Post-Test	Custodial closet near B-1	15:20	17:22	122	10.00	1,220.00	2.0/100	<7.0	<0.002
193142-01-002-18-07	Post-Test	112 at center	15:22	17:25	123	10.00	1,230.00	0.5/100	<7.0	<0.002
193142-01-002-18-08	Post-Test	113 at window	15:30	17:30	120	10.00	1,200.00	1.0/100	<7.0	<0.002
193142-01-002-18-09	Post-Test	3rd floor staff restroom	15:40	17:43	123	9.80	1,205.40	2.0/100	<7.0	<0.002
193142-01-002-18-10	Post-Test	S.w. stairwell between 1st floor and basement	17:25	19:27	122	9.90	1,207.80	2.5/100	<7.0	<0.002
193142-01-002-18-11	Post-Test	1st floor stairwell at new wing	17:25	19:28	123	10.00	1,230.00	1.0/100	<7.0	<0.002
193142-01-002-18-12	Post-Test	Women's restroom near 107	17:28	19:29	121	10.00	1,210.00	1.0/100	<7.0	<0.002
193142-01-002-18-13	Post-Test	1st floor stairwell #1	18:15	20:17	122	10.00	1,220.00	2.0/100	<7.0	<0.002
193142-01-002-18-14	Post-Test	Basement stairwell #2	18:20	20:23	123	9.80	1,205.40	1.5/100	<7.0	<0.002
193142-01-002-18-15	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-18-16	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 16

James A. Wetz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-18-01	Post-Test	107 in tent at hepa inlet		1/7/2020	
193142-01-002-18-02	Post-Test	107 in tent at riser		1/7/2020	
193142-01-002-18-03	Area Sample	108 at entrance		1/7/2020	
193142-01-002-18-04	Area Sample	101 near bathroom		1/7/2020	
193142-01-002-18-05	Area Sample	314 at desk		1/7/2020	
193142-01-002-18-06	Post-Test	Custodial closet near B-1		1/7/2020	
193142-01-002-18-07	Post-Test	112 at center		1/7/2020	
193142-01-002-18-08	Post-Test	113 at window		1/7/2020	
193142-01-002-18-09	Post-Test	3rd floor staff restroom		1/7/2020	
193142-01-002-18-10	Post-Test	S.w. stairwell between 1st floor and basement		1/7/2020	
193142-01-002-18-11	Post-Test	1st floor stairwell at new wing		1/7/2020	
193142-01-002-18-12	Post-Test	Women's restroom near 107		1/7/2020	
193142-01-002-18-13	Post-Test	1st floor stairwell #1		1/7/2020	
193142-01-002-18-14	Post-Test	Basement stairwell #2		1/7/2020	
193142-01-002-18-15	Field Blank	Blank		1/7/2020	
193142-01-002-18-16	Field Blank	Blank		1/7/2020	

Sample Count 16

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/7/2020	23:34	
Send Reports To	School District of Philadelphia	1/7/2020	23:34	
Samples Taken By	Paul Scally	1/7/2020	23:34	
Analyzed By	P. Scally	1/7/2020	23:34	



Chain of Custody

Received By	P. Scally	1/7/2020	23:34
Relinquished By	P. Scally	1/7/2020	23:34
Transported By	P. Scally	1/7/2020	23:34



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/8/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/8/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>1/8/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-19-01	Area Sample	Room 101 at Bathroom	11:10	14:30	200	6.00	1,200.00	1.5/100	<7.0	<0.002
193142-01-002-19-02	Post-Test	Room 108 in tent at hepa	11:15	13:15	120	10.00	1,200.00	2.5/100	<7.0	<0.002
193142-01-002-19-03	Post-Test	Room 108 at riser	11:16	13:17	121	10.00	1,210.00	2.0/100	<7.0	<0.002
193142-01-002-19-04	Post-Test	Room 314 in tent at hepa	11:20	13:22	122	9.90	1,207.80	1.0/100	<7.0	<0.002
193142-01-002-19-05	Post-Test	Room 314 at riser	11:21	13:23	122	9.90	1,207.80	1.0/100	<7.0	<0.002
193142-01-002-19-06	Area Sample	B-7 at desk	12:00	14:35	155	8.00	1,240.00	3.5/100	<7.0	<0.002
193142-01-002-19-07	Area Sample	308 at entrance	12:30	14:32	122	9.90	1,207.80	3.0/100	<7.0	<0.002
193142-01-002-19-08	Area Sample	Stairwell 3 between 1st and 2nd floors	14:00	16:00	120	10.00	1,200.00	1.5/100	<7.0	<0.002
193142-01-002-19-09	Area Sample	101 at Bathroom closet	15:31	20:32	301	4.00	1,204.00	3.0/100	<7.0	<0.002
193142-01-002-19-10	Area Sample	308 at closet	15:33	20:34	301	4.00	1,204.00	2.0/100	<7.0	<0.002
193142-01-002-19-11	Area Sample	B-7 at closet	15:36	20:37	301	4.00	1,204.00	2.5/100	<7.0	<0.002
193142-01-002-19-12	Post-Test	200 at cap-job	17:00	21:00	240	5.00	1,200.00	1.5/100	<7.0	<0.002
193142-01-002-19-13	Post-Test	202 at risers	17:01	21:02	241	5.00	1,205.00	3.5/100	<7.0	<0.002
193142-01-002-19-14	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-19-15	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-19-16	Area Sample	B-2 at closet	19:08	21:09	121	10.00	1,210.00	3.0/100	<7.0	<0.002
193142-01-002-19-17	Area Sample	Hallway near B-2	19:09	21:11	122	9.90	1,207.80	2.0/100	<7.0	<0.002

Sample Count 17

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-19-01	Area Sample	Room 101 at Bathroom		1/8/2020	
193142-01-002-19-02	Post-Test	Room 108 in tent at hepa		1/8/2020	
193142-01-002-19-03	Post-Test	Room 108 at riser		1/8/2020	
193142-01-002-19-04	Post-Test	Room 314 in tent at hepa		1/8/2020	
193142-01-002-19-05	Post-Test	Room 314 at riser		1/8/2020	
193142-01-002-19-06	Area Sample	B-7 at desk		1/8/2020	
193142-01-002-19-07	Area Sample	308 at entrance		1/8/2020	
193142-01-002-19-08	Area Sample	Stairwell 3 between 1st and 2nd floors		1/8/2020	
193142-01-002-19-09	Area Sample	101 at Bathroom closet		1/8/2020	
193142-01-002-19-10	Area Sample	308 at closet		1/8/2020	
193142-01-002-19-11	Area Sample	B-7 at closet		1/8/2020	
193142-01-002-19-12	Post-Test	200 at cap-job		1/8/2020	
193142-01-002-19-13	Post-Test	202 at risers		1/8/2020	
193142-01-002-19-14	Field Blank	Blank		1/8/2020	
193142-01-002-19-15	Field Blank	Blank		1/8/2020	
193142-01-002-19-16	Area Sample	B-2 at closet		1/8/2020	
193142-01-002-19-17	Area Sample	Hallway near B-2		1/8/2020	

Sample Count 17

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/8/2020	23:13	
Send Reports To	School District of Philadelphia	1/8/2020	23:13	
Samples Taken By	Paul Scally	1/8/2020	23:13	
Analyzed By	P. Scally	1/8/2020	23:13	
Received By	P. Scally	1/8/2020	23:13	
Relinquished By	P. Scally	1/8/2020	23:13	



Chain of Custody

Transported By

P. Scally

1/8/2020

23:13



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/9/2020</u>
Project #	<u>193142</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Received Date	<u>1/11/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>			Sample Analysis Date(s)	<u>1/9/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-20-01	Post-Test	308 closet in tent	11:26	13:30	124	9.96	1,235.04	10.0/100	12.7	0.004
193142-01-002-20-02	Post-Test	308 closet in tent	11:26	13:31	125	9.96	1,245.00	8.5/100	10.8	0.003
193142-01-002-20-03	Post-Test	B7/007 middle closet in Tent	12:02	14:06	124	9.96	1,235.04	8.0/100	10.2	0.003
193142-01-002-20-04	Post-Test	B7/007 middle closet in tent	12:03	14:06	123	9.96	1,225.08	6.5/100	8.3	0.003
193142-01-002-20-05	Post-Test	101 bathroom in tent	13:41	15:45	124	9.96	1,235.04	14.0/100	17.8	0.006
193142-01-002-20-06	Post-Test	101 bathroom in tent	13:42	15:45	123	9.96	1,225.08	8.5/100	10.8	0.003
193142-01-002-20-07	Post-Test	Basement custodial closet jc0	14:11	16:14	123	9.96	1,225.08	4.5/100	<7.0	<0.002
193142-01-002-20-08	Post-Test	Basement custodial closet jc0	14:11	16:14	123	9.96	1,225.08	6.5/100	8.3	0.003
193142-01-002-20-09	Post-Test	308 closet in tent	15:22	17:26	124	9.96	1,235.04	5.0/100	<7.0	<0.002
193142-01-002-20-10	Post-Test	308 closet in tent	15:22	17:27	125	9.96	1,245.00	3.5/100	<7.0	<0.002
193142-01-002-20-11	Post-Test	308 closet in tent	15:22	17:27	125	9.96	1,245.00	4.0/100	<7.0	<0.002
193142-01-002-20-12	Post-Test	B7/007 middle closet in Tent	15:28	17:35	127	9.96	1,264.92	15.0/100	19.1	0.006
193142-01-002-20-13	Post-Test	B7/007 middle closet in Tent	15:29	17:35	126	9.96	1,254.96	18.0/100	22.9	0.007
193142-01-002-20-14	Post-Test	B7/007 middle closet in Tent	15:29	17:35	126	9.96	1,254.96	12.5/100	15.9	0.005
193142-01-002-20-15	Post-Test	101 bathroom in tent	15:46	17:53	127	9.96	1,264.92	4.0/100	<7.0	<0.002
193142-01-002-20-16	Post-Test	101 bathroom in tent	15:46	17:53	127	9.96	1,264.92	6.0/100	7.6	0.002
193142-01-002-20-17	Post-Test	101 bathroom in tent	15:46	17:53	127	9.96	1,264.92	7.5/100	9.6	0.003
193142-01-002-20-18	Post-Test	Hallway outside b7	15:50	18:10	140	9.96	1,394.40	6.5/100	8.3	0.002
193142-01-002-20-19	Post-Test	107 in tent	17:59	20:06	127	9.96	1,264.92	2.0/100	<7.0	<0.002
193142-01-002-20-20	Post-Test	107 in tent	18:00	20:06	126	9.96	1,254.96	3.0/100	<7.0	<0.002
193142-01-002-20-21	Post-Test	107 in tent	18:00	20:06	126	9.96	1,254.96	3.0/100	<7.0	<0.002
193142-01-002-20-22	Post-Test	108 closet in tent	17:43	20:00	137	9.96	1,364.52	4.5/100	<7.0	<0.002
193142-01-002-20-23	Post-Test	108 closet in tent	17:43	20:00	137	9.96	1,364.52	4.0/100	<7.0	<0.002
193142-01-002-20-24	Post-Test	108 closet in tent	17:43	20:00	137	9.96	1,364.52	6.0/100	7.6	0.002
193142-01-002-20-25	Post-Test	B7 closet by door	17:38	19:46	128	9.96	1,274.88	4.5/100	<7.0	<0.002
193142-01-002-20-26	Post-Test	B7 closet by door	17:38	19:46	128	9.96	1,274.88	2.5/100	<7.0	<0.002
193142-01-002-20-27	Post-Test	314 in tent	17:30	19:40	130	9.96	1,294.80	4.0/100	<7.0	<0.002
193142-01-002-20-28	Post-Test	314 in tent	17:30	19:40	130	9.96	1,294.80	7.0/100	8.9	0.003
193142-01-002-20-29	Post-Test	314 in tent	17:31	19:40	129	9.96	1,284.84	5.5/100	7.0	0.002
193142-01-002-20-30	Post-Test	B7 (repairs)	20:13	22:25	132	9.96	1,314.72	5.0/100	<7.0	<0.002
193142-01-002-20-31	Post-Test	Basement staff restroom (repairs)	20:16	22:29	133	9.96	1,324.68	2.0/100	<7.0	<0.002
193142-01-002-20-32	Post-Test	Art room closet (repairs)	20:20	22:32	132	9.96	1,314.72	3.5/100	<7.0	<0.002
193142-01-002-20-33	Post-Test	Basement gas meter closet (repairs)	20:25	22:34	129	9.96	1,284.84	3.0/100	<7.0	<0.002



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/9/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/11/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>1/9/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-20-34	Post-Test	Stairwell 1 between basement and 1st floor (repair)	20:29	22:37	128	9.96	1,274.88	5.0/100	<7.0	<0.002
193142-01-002-20-35	Post-Test	IMC by smart board (VAT)	20:36	22:40	124	9.96	1,235.04	5.0/100	<7.0	<0.002
193142-01-002-20-36	Post-Test	IMC by office (VAT)	20:38	22:40	122	9.96	1,215.12	4.5/100	<7.0	<0.002
193142-01-002-20-37	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-20-38	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-20-39	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-20-40	Field Blank	Blank						0.0/100	<7.0	

Sample Count 40

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-20-01	Post-Test	308 closet in tent		1/10/2020	
193142-01-002-20-02	Post-Test	308 closet in tent		1/10/2020	
193142-01-002-20-03	Post-Test	B7/007 middle closet in Tent		1/10/2020	
193142-01-002-20-04	Post-Test	B7/007 middle closet in tent		1/10/2020	
193142-01-002-20-05	Post-Test	101 bathroom in tent		1/10/2020	
193142-01-002-20-06	Post-Test	101 bathroom in tent		1/10/2020	
193142-01-002-20-07	Post-Test	Basement custodial closet jc0		1/10/2020	
193142-01-002-20-08	Post-Test	Basement custodial closet jc0		1/10/2020	
193142-01-002-20-09	Post-Test	308 closet in tent		1/10/2020	
193142-01-002-20-10	Post-Test	308 closet in tent		1/10/2020	
193142-01-002-20-11	Post-Test	308 closet in tent		1/10/2020	
193142-01-002-20-12	Post-Test	B7/007 middle closet in Tent		1/10/2020	
193142-01-002-20-13	Post-Test	B7/007 middle closet in Tent		1/10/2020	
193142-01-002-20-14	Post-Test	B7/007 middle closet in Tent		1/10/2020	
193142-01-002-20-15	Post-Test	101 bathroom in tent		1/10/2020	
193142-01-002-20-16	Post-Test	101 bathroom in tent		1/10/2020	
193142-01-002-20-17	Post-Test	101 bathroom in tent		1/10/2020	
193142-01-002-20-18	Post-Test	Hallway outside b7		1/10/2020	
193142-01-002-20-19	Post-Test	107 in tent		1/10/2020	
193142-01-002-20-20	Post-Test	107 in tent		1/10/2020	
193142-01-002-20-21	Post-Test	107 in tent		1/10/2020	
193142-01-002-20-22	Post-Test	108 closet in tent		1/10/2020	
193142-01-002-20-23	Post-Test	108 closet in tent		1/10/2020	
193142-01-002-20-24	Post-Test	108 closet in tent		1/10/2020	
193142-01-002-20-25	Post-Test	B7 closet by door		1/10/2020	
193142-01-002-20-26	Post-Test	B7 closet by door		1/10/2020	



Chain of Custody

193142-01-002-20-27	Post-Test	314 in tent	1/10/2020
193142-01-002-20-28	Post-Test	314 in tent	1/10/2020
193142-01-002-20-29	Post-Test	314 in tent	1/10/2020
193142-01-002-20-30	Post-Test	B7 (repairs)	1/10/2020
193142-01-002-20-31	Post-Test	Basement staff restroom (repairs)	1/10/2020
193142-01-002-20-32	Post-Test	Art room closet (repairs)	1/10/2020
193142-01-002-20-33	Post-Test	Basement gas meter closet (repairs)	1/10/2020
193142-01-002-20-34	Post-Test	Stairwell 1 between basement and 1st floor (repair)	1/10/2020
193142-01-002-20-35	Post-Test	IMC by smart board (VAT)	1/10/2020
193142-01-002-20-36	Post-Test	IMC by office (VAT)	1/10/2020
193142-01-002-20-37	Field Blank	Blank	1/10/2020
193142-01-002-20-38	Field Blank	Blank	1/10/2020
193142-01-002-20-39	Field Blank	Blank	1/10/2020
193142-01-002-20-40	Field Blank	Blank	1/10/2020

Sample Count 40

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/10/2020	20:24	
Send Reports To	School District of Philadelphia	1/10/2020	20:24	
Samples Taken By	Sam Oseroff	1/10/2020	20:24	
Received By	Sam Oseroff	1/11/2020	00:00	
Relinquished By	Sam Oseroff	1/11/2020	00:00	
Analyzed By	Sam Oseroff	1/11/2020	00:00	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/9/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/9/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Scally, Paul</u>	Sample Analysis Date(s)	<u>1/9/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-21-01	Post-Test	Room 303 at entrance	16:10	18:10	120	10.00	1,200.00	4.5/100	<7.0	<0.002
193142-01-002-21-02	Post-Test	Room 311 at center	16:15	18:18	123	9.80	1,205.40	5.0/100	<7.0	<0.002
193142-01-002-21-03	Post-Test	Room 302 at door	16:20	19:00	160	8.00	1,280.00	3.0/100	<7.0	<0.002
193142-01-002-21-04	Post-Test	1st floor s.e. storage room	17:09	19:09	120	10.00	1,200.00	11.0/100	14.0	0.005
193142-01-002-21-05	Post-Test	Room 211 at center	17:28	19:29	121	10.00	1,210.00	4.0/100	<7.0	<0.002
193142-01-002-21-06	Post-Test	3rd floor s.w. hallway at riser	19:50	21:52	122	9.90	1,207.80	2.0/100	<7.0	<0.002
193142-01-002-21-07	Post-Test	Staff Men's restroom at door	19:53	21:53	120	10.00	1,200.00	2.5/100	<7.0	<0.002
193142-01-002-21-08	Post-Test	Room 313 at desk	19:52	21:54	122	9.90	1,207.80	2.5/100	<7.0	<0.002
193142-01-002-21-09	Post-Test	Room 201 at center	19:55	21:55	120	10.00	1,200.00	2.0/100	<7.0	<0.002
193142-01-002-21-10	Post-Test	Room at entrance	19:58	22:00	122	10.00	1,220.00	2.0/100	<7.0	<0.002
193142-01-002-21-11	Field Blank	Blank				0.00		0.0/100	<7.0	
193142-01-002-21-12	Field Blank	Blank				0.00		0.0/100	<7.0	

Sample Count 12

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Paul Scally
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-21-01	Post-Test	Room 303 at entrance		1/9/2020	
193142-01-002-21-02	Post-Test	Room 311 at center		1/9/2020	
193142-01-002-21-03	Post-Test	Room 302 at door		1/9/2020	
193142-01-002-21-04	Post-Test	1st floor s.e. storage room		1/9/2020	
193142-01-002-21-05	Post-Test	Room 211 at center		1/9/2020	
193142-01-002-21-06	Post-Test	3rd floor s.w. hallway at riser		1/9/2020	
193142-01-002-21-07	Post-Test	Staff Men's restroom at door		1/9/2020	
193142-01-002-21-08	Post-Test	Room 313 at desk		1/9/2020	
193142-01-002-21-09	Post-Test	Room 201 at center		1/9/2020	
193142-01-002-21-10	Post-Test	Room at entrance		1/9/2020	
193142-01-002-21-11	Field Blank	Blank		1/9/2020	
193142-01-002-21-12	Field Blank	Blank		1/9/2020	

Sample Count 12

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/9/2020	23:25	
Send Reports To	School District of Philadelphia	1/9/2020	23:25	
Samples Taken By	Paul Scally	1/9/2020	23:25	
Analyzed By	P. Scally	1/9/2020	23:25	
Received By	P. Scally	1/9/2020	23:25	
Relinquished By	P. Scally	1/9/2020	23:25	
Transported By	P. Scally	1/9/2020	23:25	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/10/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/11/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>1/10/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-22-01	Post-Test	Student lunch room (vat)	09:30	11:47	137	9.89	1,354.93	3.0/100	<7.0	<0.002
193142-01-002-22-02	Post-Test	Student lunch room	09:31	11:47	136	9.89	1,345.04	5.5/100	7.0	0.002
193142-01-002-22-03	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-22-04	Field Blank	Blank						0.0/100	<7.0	

Sample Count 4

James A. Weltz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-22-01	Post-Test	Student lunch room (vat)		1/10/2020	
193142-01-002-22-02	Post-Test	Student lunch room		1/10/2020	
193142-01-002-22-03	Field Blank	Blank		1/10/2020	
193142-01-002-22-04	Field Blank	Blank		1/10/2020	

Sample Count 4

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/10/2020	20:21	
Send Reports To	School District of Philadelphia	1/10/2020	20:21	
Samples Taken By	Sam Oseroff	1/10/2020	20:21	
Analyzed By	Sam Oseroff	1/11/2020	00:00	
Received By	Sam Oseroff	1/11/2020	00:00	
Relinquished By	Sam Oseroff	1/11/2020	00:00	



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/10/2020</u>
Project #	<u>193142</u>			Sample Received Date	<u>1/11/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Analysis Date(s)	<u>1/10/2020</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm ²	Fiber /cc
193142-01-002-23-01	Area Sample	Classroom 103 - Center of W3	11:33	13:40	127	9.96	1,264.92	3.5/100	<7.0	<0.002
193142-01-002-23-02	Area Sample	Classroom B1 - Outside Work Area (OWA) - Viewport	07:39	11:08	209	5.87	1,226.83	7.0/100	8.9	0.003
193142-01-002-23-03	Area Sample	Classroom B1 - Inside Work Area (IWA) - Left of Trap	07:42	11:10	208	5.87	1,220.96	9.0/100	11.5	0.004
193142-01-002-23-04	Post-Test	Classroom 105 - Center of W3	12:47	15:00	133	9.96	1,324.68	5.0/100	<7.0	<0.002
193142-01-002-23-05	Area Sample	2nd Floor Hallway - Outside Classroom 211	13:05	15:09	124	9.96	1,235.04	6.5/100	8.3	0.003
193142-01-002-23-06	Area Sample	2nd Floor Hallway - Outside Classroom 2112	13:07	15:10	123	9.96	1,225.08	4.0/100	<7.0	<0.002
193142-01-002-23-07	Post-Test	Classroom 103 - Center of W3	13:41	15:58	137	9.96	1,364.52	6.0/100	7.6	0.002
193142-01-002-23-08	Post-Test	Classroom 212 - Right Side of W3	16:13	18:20	127	9.96	1,264.92	7.0/100	8.9	0.003
193142-01-002-23-09	Post-Test	Classroom 213 - Right Side of W3	16:16	18:22	126	9.96	1,254.96	3.0/100	<7.0	<0.002
193142-01-002-23-10	Post-Test	2nd Floor Storage Room by New Wing	16:34	18:40	126	9.96	1,254.96	2.0/100	<7.0	<0.002
193142-01-002-23-11	Post-Test	Nurse's Office	17:47	19:50	123	9.96	1,225.08	3.5/100	<7.0	<0.002
193142-01-002-23-12	Area Sample	Classroom B1 - OWA - Viewport	11:10	14:55	225	5.87	1,320.75	8.0/100	10.2	0.003
193142-01-002-23-13	Area Sample	Classroom B1 - IWA - Left of Trap	11:11	14:56	225	5.87	1,320.75	10.0/100	12.7	0.004
193142-01-002-23-14	Post-Test	Classroom 110 -	19:19	21:34	135	9.96	1,344.60	5.0/100	<7.0	<0.002
193142-01-002-23-15	Post-Test	Classroom 111 -	19:22	21:30	128	9.96	1,274.88	5.5/100	7.0	0.002
193142-01-002-23-16	Post-Test	1st Floor - Counselors Office	19:16	21:26	130	9.96	1,294.80	6.0/100	7.6	0.002
193142-01-002-23-17	Area Sample	Classroom B1 - OWA - Viewport	14:55	18:00	185	9.96	1,842.60	8.0/100	10.2	0.002
193142-01-002-23-18	Area Sample	Classroom B1 - IWA - Left of Trap	14:57	18:00	183	9.96	1,822.68	22.5/100	28.7	0.006
193142-01-002-23-19	Post-Test	101 closet (vat)	19:51	21:58	127	9.96	1,264.92	5.0/100	<7.0	<0.002
193142-01-002-23-20	Post-Test	101 closet	19:52	21:58	126	9.96	1,254.96	6.0/100	7.6	0.002
193142-01-002-23-21	Post-Test	Assistant principal office	20:02	22:06	124	9.96	1,235.04	2.0/100	<7.0	<0.002
193142-01-002-23-22	Post-Test	Nurses office	20:05	22:14	129	9.96	1,284.84	4.5/100	<7.0	<0.002
193142-01-002-23-23	Post-Test	3rd floor Hall by 314	20:10	23:01	171	9.96	1,703.16	6.0/100	7.6	0.002
193142-01-002-23-24	Field Blank	Blank						0.0/100	<7.0	
193142-01-002-23-25	Field Blank	Blank						0.0/100	<7.0	

Sample Count 25



Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Carnell Elementary School - 1100 Devereaux Avenue, Philadelphia, PA 19111</u>	Sample Date	<u>1/10/2020</u>
Project #	<u>193142</u>	Analyzed By	<u>Oseroff, Samuel</u>	Sample Received Date	<u>1/11/2020</u>
Collected By	<u>Criterion Laboratories, Inc.</u>			Sample Analysis Date(s)	<u>1/10/2020</u>

James A. Wertz, CIH, Technical Director

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Chain of Custody

Matrix Air
Analyte Asbestos
Analysis Type PCM
Container Cassette
Project 193142
Client School District of Philadelphia
Site Address Carnell Elementary School - 1100 Devereaux Avenue,
Philadelphia, PA 19111
Turnaround On-Site
Field Tech Sam Oseroff
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193142-01-002-23-01	Area Sample	Classroom 103 - Center of W3		1/10/2020	
193142-01-002-23-02	Area Sample	Classroom B1 - Outside Work Area (OWA) - Viewport		1/10/2020	
193142-01-002-23-03	Area Sample	Classroom B1 - Inside Work Area (IWA) - Left of Trap		1/10/2020	
193142-01-002-23-04	Post-Test	Classroom 105 - Center of W3		1/10/2020	
193142-01-002-23-05	Area Sample	2nd Floor Hallway - Outside Classroom 211		1/10/2020	
193142-01-002-23-06	Area Sample	2nd Floor Hallway - Outside Classroom 2112		1/10/2020	
193142-01-002-23-07	Post-Test	Classroom 103 - Center of W3		1/10/2020	
193142-01-002-23-08	Post-Test	Classroom 212 - Right Side of W3		1/10/2020	
193142-01-002-23-09	Post-Test	Classroom 213 - Right Side of W3		1/10/2020	
193142-01-002-23-10	Post-Test	2nd Floor Storage Room by New Wing		1/10/2020	
193142-01-002-23-11	Post-Test	Nurse's Office		1/10/2020	
193142-01-002-23-12	Area Sample	Classroom B1 - OWA - Viewport		1/10/2020	
193142-01-002-23-13	Area Sample	Classroom B1 - IWA - Left of Trap		1/10/2020	
193142-01-002-23-14	Post-Test	Classroom 110 -		1/10/2020	
193142-01-002-23-15	Post-Test	Classroom 111 -		1/10/2020	
193142-01-002-23-16	Post-Test	1st Floor - Counselors Office		1/10/2020	



Chain of Custody

193142-01-002-23-17	Area Sample	Classroom B1 - OWA - Viewport	1/10/2020
193142-01-002-23-18	Area Sample	Classroom B1 - IWA - Left of Trap	1/10/2020
193142-01-002-23-19	Post-Test	101 closet (vat)	1/10/2020
193142-01-002-23-20	Post-Test	101 closet	1/10/2020
193142-01-002-23-21	Post-Test	Assistant principal office	1/10/2020
193142-01-002-23-22	Post-Test	Nurses office	1/10/2020
193142-01-002-23-23	Post-Test	3rd floor Hall by 314	1/10/2020
193142-01-002-23-24	Field Blank	Blank	1/10/2020
193142-01-002-23-25	Field Blank	Blank	1/10/2020

Sample Count 25

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	1/10/2020	23:19	
Send Reports To	School District of Philadelphia	1/10/2020	23:19	
Samples Taken By	Sam Oseroff	1/10/2020	23:19	
Received By	Sam Oseroff	1/11/2020	00:00	
Relinquished By	Sam Oseroff	1/11/2020	00:00	
Analyzed By	Sam Oseroff	1/11/2020	00:00	