

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com cinnasblab@EMSL.com

CustomerID:
CustomerPO:
ProjectID:

EMSL Order:

042000082 CRIT52

Sam Oseroff
 Criterion Laboratories, Inc.
 400 Street Road
 Bensalem, PA 19020

Phone: (215) 244-1300
Fax: (215) 244-4349
Received: 01/02/20 10:10 PM
Analysis Date: 1/3/2020

Collected:

Project: School District of Philadelphia / Carnell E.S / 1100 Deveseaux Ave / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-01-002- 11-21 <i>042000082-0021</i>	1st Floor Hall by Stairs Next to 110	1799.98	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033
193142-01-002- 11-22 042000082-0022	1st Floor Hall at Threshold to New Wing	1799.98	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Mary McFarland (1)
Wayne Froehlich (1)

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127



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Collected:

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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-01-002- 11-05 <i>042000082-0005</i>	3rd Floor Janitors Closet	1829.65	0	0.0650	None Det	tected	0.0032	<15.00	<0.0032
193142-01-002- 11-06 042000082-0006	3rd Floor Janitors Closet	1819.76	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00162

Analyst(s)

Debbie Little (1)
Wayne Froehlich (1)

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structur ≥ 0.5μ -5μ ≥	es s	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-01-002- 11-09 <i>04200008</i> 2- <i>0009</i>	3rd Floor New Wing Women's Restroom	1809.87	0	0.0650	None Det	ected		0.0033	<15.00	<0.0033
193142-01-002- 11-10 042000082-0010	3rd Floor New Wing Women's Restroom	1799.98	0	0.0650	None Det	ected		0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Wayne Froehlich (2)

Samantha Kunghton

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)		estos ntration (S/cc
193142-01-002- 11-07 <i>042000082-0007</i>	3rd Floor Supply Closet	1809.87	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033
193142-01-002- 11-08 <i>042000082-0008</i>	3rd Floor Supply Closet	1809.87	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Wayne Froehlich (2)

Samantha Runghtono

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Struct ≥ 0.5µ -5µ		Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-01-002- 11-19 <i>04200008</i> 2- <i>0019</i>	Art Room Closet Left Side	1809.87	0	0.0650	None Dete	ected		0.0033	<15.00	<0.0033
193142-01-002- 11-20 042000082-0020	Art Room Closet Right Side	1799.98	0	0.0650	Chrysotile	1	0	0.0033	15.00	0.0042

Geometric Mean (S/cc): 0.00233

Analyst(s)

Debbie Little (1)
Mary McFarland (1)

Samantha Rundetrom Lahoratory Manager

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-01-002- 11-17 <i>042000082-0017</i>	Art Room - by Center Windows	1809.87	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033
193142-01-002- 11-18 042000082-0018	Art Room - By Closet	1799.98	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Debbie Little (2)

Samantha Kungthon

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structu ≥ 0.5µ -5µ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-01-002- 11-15 <i>042000082-0015</i>	201 Closet	1809.87	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033
193142-01-002- 11-16 042000082-0016	201 Closet	1809.87	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Debbie Little (1)
Wayne Froehlich (1)

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)		estos atration (S/cc
193142-01-002- 11-11 <i>042000082-0011</i>	208 by Closet	1829.65	0	0.0650	None De	tected	0.0032	<15.00	<0.0032
193142-01-002- 11-12 042000082-0012	208 by Entrance	1829.65	0	0.0650	None Det	tected	0.0032	<15.00	<0.0032

Geometric Mean (S/cc): 0.00160

Analyst(s)

Wayne Froehlich (2)

Samantha Runghtono

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Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures $\geq 0.5\mu$ -5 μ $\geq 5\mu$	Analytical Sensitivity (S/cc)		estos ntration (S/cc
193142-01-002- 11-13 <i>042000082-0013</i>	209 by Window	1819.76	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033
193142-01-002- 11-14 <i>042000082-0014</i>	209 - Center	1809.87	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Wayne Froehlich (2)

Samantha Kunghton

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Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-01-002- 11-03 <i>042000082-0003</i>	301 Closet - Center	1809.87	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033
193142-01-002- 11-04 042000082-0004	301 Closet - Center	1809.87	0	0.0650	None Det	tected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Debbie Little (2)

Samantha Kungthons

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Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)		estos ntration (S/cc
193142-01-002- 11-01 <i>042000082-0001</i>	Room 301 by Entrance	1819.76	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033
193142-01-002- 11-02 <i>04200008</i> 2-0002	Room 301 by Teachers Desk	1809.87	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Debbie Little (2)

Samantha Kimphono

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Chain of Custody JAN -2 P 10: 09



				. 10. 0 4	
Client Name:	School Distri	ct of Philadelphia	Date Sampled:	1/2/20	
Sampling Location	: Carnell E.	S ,	Technician:	Som OSE	30AF
		eaux Ave	Project #:	193142	
	Phila, PA		Material:	ACM	
	- A MICOLI I		Tracer aux	, , , ,	
Type of Sample:	-Site: (Hour:	12 Hour:	24 Hour: 48	Hour:	3-5 Day:
Al-	ondition	Sample # Condi		Sample #	Condition
		-09		-1b	
-04		-11		-18	
-65		-17		-19	
<u>-06</u> -07	_	73		-20 -21	
	. 85	626		-22	
Total Number of San		(45) 60		30) - 34	V
Report Results To:	Soseroff@cr	itesionlabs cov	Phone:	36 3	LANK
Send Reports To:	Ifaster@ Cri	tesionlabs.com	Mpanephesso	@Chiteri	onlabs.co
Samples Taken By:	Som Oscroff	Signature: _	non	Date:	1/2/20
Transported By:	Som OseroA	Signature: _	NY	Date:	1/2/20
Relinquished By:	Som Oseroff	Signature:	nn	Date:	1/2/20
Received By:	N 1/2/20	10110 Signature:		Date:	-
Relinquished By:		Signature:		Date:	
Received By:		Signature:		Date:	
Analyzed By:		Signature:		Date:	
Comments: AHERA	9 Philly Regs.	a Samples Per 1	NOTE Area !	Please pro	vide a
gom		for Each wa	osk Area. (-	01+-02, 0	5+04; et.)
Doi	of analyze blo	anks			
+ Commoles -22	+ -24 Nmt	included in +	lais Set		

400 Street Road, Bensalem, PA 19020 / 215-244-1300 / Fax 215-244-4349 275 Madison Avenue, 6th Floor, New York City, NY 10016 / 212-244-0033 / 212-244-0155 Fax www.criterionlabs.com

Site Location:



042000082

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 $_{
m of}$ Page

Ashestos Air Sample Loga

Client Name: School Pistilet of Philadelphia Site Address: Carnell P.S.

1100 Davercaux Ave Phila, PA

Criterion

Sample No: 1931 42-61-602-11

Project No.: 193142

Date: 1/2/20

Day: Thursday

					Time				Fibers	
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
19314à -01	3	Room 301 by Entrance	145744	1501	1805	184	9.89	1819.76		
-02	3	room 301 by teachers desk	30554	1502	1805	183	9.89	1801.87		
-03	3	301 Clost- center	201739	1504	1807	183	9.89	1809.87		
-04	3	301 Closet -	20556	1504	1807	183	9.89	1409.87	(2)	
-05	3	3rd Floor Ganitors closet	205754	1525	1830	185	9.89	18465		
-06	3	3rd Floor Junitors closet	144727	1526	1830	184	9.89	1819.76		
-07	3		0	1528	1831	183	. /	1809.87		
-08	3	3rd Floor SUPPLY Closet	202369	1298	1831	183	9.89	1409.87		

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

FIELD TECH Som Oseroff

0412000082



Site Location:

RECEIVED Page 2 of 4

Asbestos Air Sample Log Pilio 09

Client Name:	School	District of	Philadel	phia
014 4 1 1	5 11	- 4		

Site Address: Carnell E.S.

Sample No: | 43/42-01-002-11

Project No.: | 193142

Date: 1220

Day: Thursday

					Time				Fibers	
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
193142 -09	3	3rd Floor New Wing Women's Restroom	305750	1530	1633	183	9.89	1409.87		
-10	3	3:d floor New Wing Women's Mesticom	6/5/74	1531	1833	182	9.89	799.98		
-11	3	208 by closet	205398	199	1917	185	989/	1824.65		
-12	3	aos pr	148953	1613	1918	185	9.89	182415		fi
-13	3	209 by windows	20439	1616	1420	184	9.89	1819.76		die dy
-14	3	209 -center	202076	4617	420	183	9.89	1801.0		
-15	3	201 Closef	20739	1810	3113	183	9.89	1409.87	٠.	
-16	3	201 Closed	20555b	1810	2113	183	9.89	1869.87		2.5

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

FIELD TECH Som OSO OF

042000082



RECEIVED EMSL Page 3 of 4

Asbestos Air Sample Log

2020 JAN -2 P 10: 09

Client Name:	School	District	ex	Phila	
Cita Addusant				· · ·	

carnell E.S.

Obile PA

Site Location:

Sample No: 193142-01-002 -11

Project No.: 193142

Date: 1/2/20

Day: Thursday

					Time				Fibers	10
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
-17	3	Art Room - by center winda	303554	1817	3120	183	9.87	180487		
-18	3	Art Room-	195744	1818	3130	(40)	9.89	799.98		
-19	3	Alt Roomcloset left SiCC	30575H	1812	ગ્રેપડ	183	984/	1809.87		
-20	3	Art Room Closef Right SOC	194727	1843	2145	182	9.89	799.98		
-91	3	1st-Floor Hall by stairs noxt to 110	20236	1845	2147	182	9.89	749.98		
-32	3	1St floor Itall at threshold to new wing	305820	1845	2147	182	9.89	1799.98		ti.
-33	3	IST Floor New WINS hall by	615174	1849			9.89			
-311	3	ist floor new wins hall by Ill	305 750	1850			9.89/			

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

5

FIELD TECH Sam OSCIOR

OrderID: 042000082

042000082



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Page 4 of 4

2020 JAN -2 P 10: 09

Client Name:	School	District of	Philade (Phic
Site Address:	Carnell	F.S.	

1100 Deveregux Ave

Philadelphia, PA **Site Location:**

Sample No: 193142-01-002 -11

Project No.: 193142

Date: 1)2)20

Day: Thursday

					Time				Fibers	
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
193142	1-									
-25	5.	F. Blan	R							
-26	5	S. Blan	, K					,		
-27	5	S. Bla	nK					1		
		1								
								10		

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

FIELD TECH Sam OSerOff



200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order: 042000143 CustomerID: CRIT52

CustomerPO: ProjectID:

Sam Oseroff
 Criterion Laboratories, Inc.
 400 Street Road
 Bensalem, PA 19020

Phone: (215) 244-1300 Fax: (215) 244-4349 Received: 01/03/20 12:05 PM

Analysis Date: 1/3/2020 Collected: 1/3/2020

Project: School District of Philadelphia - Carnell ES 1100 Devereaux Ave. Phila, PA

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structure ≥ 0.5μ -5μ ≥5	(C/)	Asbe Concen (S/mm²)	tration
193142-01 042000143-0001	Room 108 by Teacher's Desk	1799.98	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033
193142-02 042000143-0002	Room 108 by Smart Board	1799.98	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Wayne Froehlich (2)

Samantha Runghtono

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127



200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order: 042000143 CustomerID: CRIT52

CustomerPO: ProjectID:

Sam OseroffCriterion Laboratories, Inc.400 Street RoadBensalem, PA 19020

Phone: (215) 244-1300 Fax: (215) 244-4349 Received: 01/03/20 12:05 PM

Analysis Date: 1/3/2020 Collected: 1/3/2020

Project: School District of Philadelphia - Carnell ES 1100 Devereaux Ave. Phila, PA

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)	Asbe Concer (S/mm²)	estos etration (S/cc
193142-03	1st Floor Hallway New Wing 104-111	1799.98	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033
042000143-0003									
193142-04	1st Floor Hallway New Wing by 112	1799.98	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033
042000143-0004	,								

Geometric Mean (S/cc): 0.00165

Analyst(s)

Wayne Froehlich (2)

Samantta Kunghino

Samantha Rundstrom, Laboratory Manager or other approved signatory

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200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order: 042000143 CustomerID: CRIT52

CustomerPO: ProjectID:

ttn: Sam Oseroff
Criterion Laboratories, Inc.
400 Street Road
Bensalem, PA 19020

Phone: (215) 244-1300 Fax: (215) 244-4349 Received: 01/03/20 12:05 PM

Analysis Date: 1/3/2020 Collected: 1/3/2020

Project: School District of Philadelphia - Carnell ES 1100 Devereaux Ave. Phila, PA

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-05 042000143-0005	Gym Teacher's Office	1799.98	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033
193142-06 <i>042000143-0006</i>	Gym Teacher's Office	1799.98	0	0.0650	None Det	ected	0.0033	<15.00	<0.0033

Geometric Mean (S/cc): 0.00165

Analyst(s)

Wayne Froehlich (2)

Samantta Remotiono

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

04200143



RECEIVED CINNA EMSL Chain of Custody 20 JAN -3 PM 12: 03

Client Name:	School District	of Philadelphia	Date San	1pled: 132	0
Sampling Location	: <u>Carnell</u> £ S	\$	Technici	an: Som O	seroff
	1100 Davero	gux Ave	Project #	· ~> 10 7	
	Phila. PA		Material:	<u> </u>	· · · · · · · · · · · · · · · · · · ·
			ļ	,	
Type of Sample:	TEM			_	
Turnaround: On-	-Site:(6 Hour: 👤	12 Hour:	24 Hour:	48 Hour:	_ 3-5 Day:
	ondition Sa		dition	Sample #	Condition
-07					
<u>-03</u> -04	 				
-05					
<u>-06</u> -07 F-	Blank				
Total Number of Sar	. <7				
Report Results To:	Soscroff@Crit	erion 6 65-Con Ema	il/Phone:		•
Send Reports To:	Iforsten@Cite	Monlabs-com	Mpane	arsso @Criz	cianlabs.com
Samples Taken By:	SOM OSERAF	Signature:	2	Date	: 1/3/20
Transported By:	Sam OseroH	Signature: `	and	Date:	: 1/3/20
Relinquished By:	Som CSCOH	Signature:	Ni	Date	: 1320
Received By:	JAKWE)	Signature:	KATE CLI	VER Date	:: 1/3/2012
Relinquished By:		Signature:	<u> </u>	Date	:
Received By:		Signature:	<u> </u>	Date	:
Analyzed By:		Signature:		Date	
Comments: ANEY	LA Philly Regs.	Please Prov	ide Geo	metric Mean	for each
WORK	Arra (01+02	103+04,0	5+06)	Don't analyze	blanks.
	- 		1	Thi	CARS-

41



Site Location:

Asbestos Air Sample Log JAN -3 PM 12: 03

Client Name:	School District of	Philadelphia
	Carnell ES.	_

1100 Devercaux Ave Phila PA

Sample No: Project No.

Date: 1/3/20

Day: Frida

<u></u>										
Sample			Pump		Time	Total	Flow Rate	Volume	Fibers Per	Fibers
Number	Type	Location	rump redmyK	Start	Stop	Min.	, (NWJU) Lina vare	(f)	Field	Per CC
193142 201	3	Room 108 by teadicis desk	20554X	0.054	1131	182	9.89	744.48		
-02	3	by smart board	14895	orgo	1131	182	1 .00	174.98		
-8	3	1st Floor Hollway New Wins by 111	206435			189	9.89	7749.48		
-04	3	יי ועו	20013			,47		,-gg98		
-05	3	Grm teachers office	20739	0,632	125	195	4-87	79998		
-06	3	Gym teacher's office	40222p	0435	15	4	9.89	79996		·
-07	5	F. B	lanl	<u> </u>			!			
-08	15	S. B	ank							

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

2

FIELD TECH Sem



200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order: 042000760 CustomerID: CRIT52

CustomerPO: ProjectID:

tn: Sam Oseroff
Criterion Laboratories, Inc.
400 Street Road
Bensalem, PA 19020

Phone: (215) 244-1300
Fax: (215) 244-4349
Received: 01/10/20 8:10 PM
Analysis Date: 1/11/2020
Collected: 1/10/2020

Project: School District of Philadelphia / Carnell E.S / 1100 Devereaux Ave / Philadelphia, PA / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	()		# Structures ≥ 0.5μ -5μ ≥ 5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	tration
193142-01 042000760-0001	308 Closet	1809.87	0	0.0665	None Det	ected	0.0032	<15.00	<0.0032
193142-02 042000760-0002	308 Closet	1799.98	0	0.0665	None Detected		0.0032	<15.00	<0.0032

Geometric Mean (S/cc): 0.00160

Analyst(s)

Ted Young (2)

Samantha Kumption

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 01/11/2020 12:33:52



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EMSL Order: 042000760 CustomerID: CRIT52

CustomerPO: ProjectID:

Sam Oseroff
 Criterion Laboratories, Inc.
 400 Street Road
 Bensalem, PA 19020

Phone: (215) 244-1300
Fax: (215) 244-4349
Received: 01/10/20 8:10 PM
Analysis Date: 1/11/2020
Collected: 1/10/2020

Project: School District of Philadelphia / Carnell E.S / 1100 Devereaux Ave / Philadelphia, PA / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures $\geq 0.5\mu$ -5 μ $\geq 5\mu$	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	tration
193142-03 042000760-0003	314 Closet	1829.65	0	0.0665	None Det	tected	0.0032	<15.00	<0.0032
193142-04 042000760-0004	314 Closet	1829.65	0	0.0665	None Det	rected	0.0032	<15.00	<0.0032

Geometric Mean (S/cc): 0.00160

Analyst(s)

Ted Young (2)

Samantha Kimoptiono

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 01/11/2020 12:34:54



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Phone/Fax: (800) 220-3675 / (856) 786-5974

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EMSL Order: 042000760 CustomerID: CRIT52

CustomerPO: ProjectID:

ttn: Sam Oseroff Criterion Laboratories, Inc. 400 Street Road Bensalem, PA 19020 Phone: (215) 244-1300
Fax: (215) 244-4349
Received: 01/10/20 8:10 PM
Analysis Date: 1/11/2020
Collected: 1/10/2020

Project: School District of Philadelphia / Carnell E.S / 1100 Devereaux Ave / Philadelphia, PA / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	()		# Structures ≥ 0.5μ -5μ ≥ 5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	tration
193142-05 042000760-0005	B7 Closet	1819.76	0	0.0665	None Det	ected	0.0032	<15.00	<0.0032
193142-06 042000760-0006	B7 Closet	1809.87	0	0.0665	None Det	ected	0.0032	<15.00	<0.0032

Geometric Mean (S/cc): 0.00160

Analyst(s)

Ted Young (2)

Samantia Kunghini

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 01/11/2020 12:35:41



200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order: 042000760 CustomerID: CRIT52

CustomerPO: ProjectID:

Sam Oseroff
 Criterion Laboratories, Inc.
 400 Street Road
 Bensalem, PA 19020

Phone: (215) 244-1300
Fax: (215) 244-4349
Received: 01/10/20 8:10 PM
Analysis Date: 1/11/2020
Collected: 1/10/2020

Project: School District of Philadelphia / Carnell E.S / 1100 Devereaux Ave / Philadelphia, PA / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	(2)		# Structures ≥ 0.5μ -5μ ≥ 5μ	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)	
193142-07 042000760-0007	108 Closet	1809.57	0	0.0665	None Det	tected	0.0032	<15.00	<0.0032
193142-08 042000760-0008	108 Closet	1809.57	0	0.0665	None Det	ected	0.0032	<15.00	<0.0032

Geometric Mean (S/cc): 0.00160

Analyst(s)

Ted Young (2)

Samantha Kumption

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Initial report from 01/11/2020 12:36:30



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Phone/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order: 042000760 CustomerID: CRIT52

CustomerPO: ProjectID:

Sam Oseroff Criterion Laboratories, Inc. 400 Street Road Bensalem, PA 19020 Phone: (215) 244-1300
Fax: (215) 244-4349
Received: 01/10/20 8:10 PM
Analysis Date: 1/11/2020
Collected: 1/10/2020

Project: School District of Philadelphia / Carnell E.S / 1100 Devereaux Ave / Philadelphia, PA / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	volume Non Maryeu Aspestos		Volume Non Analyzed Asbestos # Structures					Asbestos Concentration S/mm²) (S/cc	
193142-09 042000760-0009	107 in Tent	1799.98	0	0.0665	None Det	ected	0.0032	<15.00	<0.0032	
193142-10 042000760-0010	107 in Tent	1799.98	0	0.0665	None Detected		0.0032	<15.00	<0.0032	

Geometric Mean (S/cc): 0.00160

Analyst(s)

Ted Young (2)

Samantha Kimphons

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 01/11/2020 12:37:16



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Phone/Fax: (800) 220-3675 / (856) 786-5974

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CustomerID: CustomerPO: ProjectID:

EMSL Order:

042000760

CRIT52

Attn: Sam Oseroff
Criterion Laboratories, Inc.
400 Street Road
Bensalem, PA 19020

Phone: (215) 244-1300
Fax: (215) 244-4349
Received: 01/10/20 8:10 PM
Analysis Date: 1/11/2020
Collected: 1/10/2020

Project: School District of Philadelphia / Carnell E.S / 1100 Devereaux Ave / Philadelphia, PA / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		# Structures $\geq 0.5\mu - 5\mu \geq 5\mu$	Analytical Sensitivity (S/cc)	Asbe Concen (S/mm²)			
193142-11 042000760-0011	101 in Bathroom	1819.76	0	0.0665	None Det	ected	0.0032	<15.00	<0.0032
193142-12 042000760-0012	101 in Bathroom	1809.87	0	0.0665	None Det	ected	0.0032	<15.00	<0.0032

Geometric Mean (S/cc): 0.00160

Analyst(s)

Ted Young (2)

Samantha Runghtono

Samantha Rundstrom, Laboratory Manager or other approved signatory

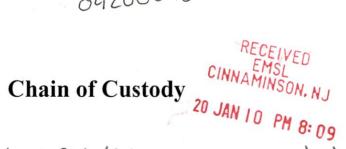
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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AlHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 01/11/2020 12:38:03

OrderID: 042000760





Client Name: Sampling Location:	School District of Carnell E.S. 1100 Deveraux Philadelphia. P		Date Sampled: Technician: Project #: Material:	1/10/20 Som OSE 193142 ACM	erosp
Type of Sample:		117	4.17) W	
Turnaround: On-Si	ite:(6 Hour: 1	2 Hour: 2	4 Hour: 48	B Hour: S	3-5 Day:
		# Condit 08 600 09 1	Λ	Sample #	Condition
-04	-				
-05		3			
<u>-66</u>		3 F. BLAJ	FNL		
Total Number of Samp					
Report Results To:	Soseraff @ Critor	Email/I	Phone:		
Send Reports To:	Florster@ Critorian l	dos.com	Mipanepiess	o@crito	ionlabs co
Samples Taken By:	Serve Berne	Signature:	n. 1	Date:	1110/70
	am Oscroff		12-11		11/2/20
		Signature: _	10.10	Date:	1110120
	ram Oseroff	Signature: _/		Date:	1110120
Received By:		Signature:		Date:	
Relinquished By:		Signature:			
Received By:		Signature:		Date:	Y
Analyzed By:		Signature:		Date:	
Comments: Please	e provide seperate (-01+02, 03+04),	beometric v	Mean S for tc.). Don't	analyte le	denus



042006760

i			
Page	of	0	

Asbestos Air Sample Log

20 JAN 10 PM 8: 09

Client Name:	School	Distict	de	Philadelp	hia
Site Address:	Carnell	ES.		-	

Sample No: 193142

1100 Devereoux Ave

Date: 1/10/70

Site Location: Vhiladelphia, PA

riterion

Dav: Fridgy

					Time				Fibers	
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
193142 -01	3	308 Closet	202434	0857	700	183	9.89	(898)		
-02	3	308 closel	3007	0358	1200		9.89	799.98		
-03	3	314 close+	205554				19.89	182465		
-04	3	314 closet	200526	0103	1203	185	9.89	(Bylos		
_05	3	B7 Closet	305556	0908	1313	184	959	184.76		
-06	3	B7 closet	go5754	0909	1313	183	9.89	180987		
-07	3	108 closet	262120	0915	1218	183	9.84	180457		
-08	3	108 Closet	6574	0917	।त्रा४	183	9.89	(80487		

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

FIELD TECH SOM OSESOFF



RECLETVEL EMSL

Page 2 of 2

Asbestos Air Sample Log

20 JAN 10 PM 8: 09

Client Name:	School	Dist	lict	d	Philade	lebia
1202 100 100 120 20 20			_			

Site Address: Carnell E.S.

1100 pereregux Ave

Site Location:

Sample No:

Project No.: 193142

Date: 1 10 20

Day: Friday

			Time						Fibers	
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
143142 -09	3	107 in test	195744	0918	1390	189	9.89	1799.98		
~10	3	107 in test	20139	091B	1990	189	9.89	749.98		
///	3	101 Bathroom	19927	0921	1992	184	4.87 9.89	1819.76		
-12	3	101 Bathroom	202369	692	(M)	183	989	1809.87		
-13	5	F. BL	Al	K						¥
-14	5	S. BL	AA	16						*
	2					v				-

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

FIELD TECH SOM OSCIOTA



200 Route 130 North, Cinnaminson, NJ 08077

(800) 220-3675 / (856) 786-5974

cinnasblab@EMSL.com http://www.EMSL.com

EMSL Order: 042000777 CustomerID: CRIT52

CustomerPO: ProjectID:

Sam Oseroff Criterion Laboratories, Inc. 400 Street Road Bensalem, PA 19020

Phone: (215) 244-1300 Fax: (215) 244-4349 Received: 01/11/20 1:35 PM Analysis Date: 1/11/2020

Collected:

Project: School District of Philadelphia / Carnell E.S. / 1100 Devereaux / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures ≥ 0.5μ -5μ ≥5μ	Analytical Sensitivity (S/cc)		estos ntration (S/cc
193142-01 042000777-0001	Outside Work Area (OWA) at Decon in B1	1799.98	0	0.0528	None Det	ected	0.0041	<19.00	<0.0041
193142-02 042000777-0002	OWA in B1 Right of Decon	1799.98	0	0.0528	None Det	rected	0.0041	<19.00	<0.0041
193142-03 042000777-0003	OWA Basement Hall at Girls Restroom	1799.98	0	0.0528	None Det	rected	0.0041	<19.00	<0.0041
193142-04 042000777-0004	OWA Basement Hall at B1	1799.98	0	0.0528	None Det	rected	0.0041	<19.00	<0.0041
193142-05 042000777-0005	OWA Basement Hall by B2	1799.98	0	0.0528	None Det	rected	0.0041	<19.00	<0.0041

Geometric Mean (S/cc): 0.00410

Analyst(s)

Sarah Richey (5)

Samantha Rundstrom, Laboratory Manager

or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 01/11/2020 18:27:55



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Phone/Fax: (800) 220-3675 / (856) 786-5974

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EMSL Order: 042000777 CustomerID: CRIT52

CustomerPO: ProjectID:

Sam OseroffCriterion Laboratories, Inc.400 Street RoadBensalem, PA 19020

Phone: (215) 244-1300 Fax: (215) 244-4349 Received: 01/11/20 1:35 PM Analysis Date: 1/11/2020

Collected:

Project: School District of Philadelphia / Carnell E.S. / 1100 Devereaux / 193142

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Non Asb	Area Analyzed (mm²)	Asbestos Type(s)	# Structures $\geq 0.5\mu$ -5 μ $\geq 5\mu$	Analytical Sensitivity (S/cc)		estos ntration (S/cc
193142-06 <i>042000777-0006</i>	Inside Work Area (IWA) B1 Closet	1819.76	0	0.0528	None Det	ected	0.0040	<19.00	<0.0040
193142-07 <i>042000777-0007</i>	IWA Right of AFD	1819.76	0	0.0528	None Det	ected	0.0040	<19.00	<0.0040
193142-08 <i>042000777-0008</i>	IWA at AFD	1809.87	0	0.0528	None Det	ected	0.0040	<19.00	<0.0040
193142-09 <i>042000777-0009</i>	IWA Left of AFD	1799.98	0	0.0528	None Det	ected	0.0041	<19.00	<0.0041
193142-10 042000777-0010	IWA at Decon	1799.98	0	0.0528	None Det	ected	0.0041	<19.00	<0.0041

Geometric Mean (S/cc): 0.00404

Analyst(s)

Matthew Hermann (5)

Samantha Rundstrom, Laboratory Manager

Samantha Rundstrom, Laboratory Manager or other approved signatory

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Initial report from 01/11/2020 18:32:06

OrderID: 042000777



Chain of Custody

2020 JAN 11 P 2: 40

Client Name:	School	District	of Phila	Date Sampl	ed: 1117	O
Sampling Location	: Carnell	E.S.		Technician:	Sem o	OSCOFF
	1100	Devereal	/×	Project #:	193142	
	Philo	PA		Material:	Acm	
		1				
Type of Sample:	TEM					
Turnaround: On	-Site: 6	Hour: 1	Hour:	24 Hour:	48 Hour:	3-5 Day:
12 11.2	ondition	Sample	e# Cond		Sample #	Condition
<u>-07</u>			10		-	
-01			P. Ble		E	
-05 -06 -07			12 5.B/a	<u>// //</u>		
Total Number of San	mples:	12				
Report Results To:			sion lubs. Email			
Send Reports To:	Iforste	Ccrites	ionabs.con	n Mpanepa	esso @ Crit	crionlobs.com
Samples Taken By:	Som OS	seroff	Signature:	n 2	Date	1/11/20
Transported By:	Sam OS	ESOFE	Signature:	nV	Date:	1/1/20
Relinquished By:		seroff	Signature: _	ne	Date:	
Received By:	OP Drop	Box	Signature: _		Date:	1/11/2020 2:35
Relinquished By:			Signature: _		Date	
Received By:			Signature: _		Date:	2.0
Analyzed By:			Signature: _		Date:	
Comments: [Mil	ly Regs	. Phease	e provid	le sepera	it 600	Mcws
400	inside	(-06th	ough 10)	and out	SUC (-0)	through os
	Dond of	16/YZe	blank s'			

OrderID: <u>042</u>000777



RECEIVE of of MANAGEMENT

Asbestos Air Sample Log

		2020 JAN 11	P 2: 4	n
1 1 0000	1110 110		47 1/1)	·

Client Name: Sypo Description of Philadelphics
Site Address: Carnell E.S.

1100 Devereoux Ave

Site Location: BIBI Closet

Sample No: 193/42-01-002-24

Project No.: 193/42

Date: 111120

Day: Saturday

		211-11-1					,			
			Time				Fibers			
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
43142 -01	3	atsole WOLL ALCO (OWA) at DECONIAB)	303072		1344		1. 44	174.98	nou	10100
-02	3	OWA IN BI RIGHT OF DECON	200554	1042	744	182		1744.48		
-03	3	owa Basement Hall at Girls restroom	20552	1042	1344	152	9.89	79994		
-04	3	owa Bosement Hall at BI	20734	2042	344	182	9.89	1799.98		
-05	3	OWA Busement Hall by B2	30369	1042	1344	187	40 /	179998		
-06	3		202439	1040	1344	184	9.89/	1819.76		
-07	3	swt right of AFD	255TH	1040	1344	184	26	181976	1 4 2 2	
_08	3	TWA at	305750	1041	1344	183	9.99	1809.87		

TYPE:

1-Air Sample

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

FIELD TECH SAM OSESOA



RECEIVED EMSL Page 2 of 2

Asbestos Air Sample Log

2020 JAN | 1 P 2: 40

Client Name: School District of Philadelphis

Site Address: Carnell E.S.
1100 Devereanx Ave

Phila, PA

Site Location:

Sample No: 193/42-01-002-24

Project No.: 193142

Date: IN 80

Day: Saturday

			Time			-			Fibers	
Sample Number	Туре	Location	Pump Number	Start	Stop	Total Min.	Flow Rate (L/Min)	Volume (L)	Per Field	Fibers Per CC
193142	3	JWA Left OF AFN	20776			182	9.89	1799,98		
_10	3	IWA at Decon	41630	1042	1344	192	9.89	799.99		
-11	5	F. Bla	nK							
-12	5	S. B	lanl	<				1		
										¹⁷
				,						

TYPE:

1-Air Sample 2-P

2-Pre-Test

3-Post-Test

4-Personal

5-Field Blank

FIELD TECH

Sam Oseroff