

ATC ASSOCIATES INC.

BATCH NO.

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM**PROJECT INFORMATION**

1. Client: NYC - BOE	2. Project Name: AHERA REINSPECTION	3. Project # 14584-0819	4. Project Manager: ANDREAS ANDREOU 646-772-1155
2a. Project Address: 201 Warren street, New York, NY 10282			4a. Investigator: Yiannis Efstathiou
5. Date: 2/14/02	6. Building Name: PS 89M	8. Turnaround Time: ☐ STAT ☐ 24 HRS ☐ 72 HRS ☐ OTHER ☐ 6 HRS ☐ 48 HOURS ☐ NORMAL	9. Comments (Field): Analyzed all them for fiberglass 10. Time in / Time out:

H.A.#	SAMPLE ID NUMBER	MATERIAL DESCRIPTION	LOCATION	FLOOR NUMBER	RESULTS
	PS89M-2/14/02- Fiberglass-01	Settled Dust	Cafeteria (Floor)		ND
	PS89M-2/14/02- Fiberglass-02	Settled Dust	1st floor hallway - East of Cafeteria (Floor)		ND
	PS89M-2/14/02- Fiberglass-03	Settled Dust	1st floor hallway - South of Cafeteria (Floor)		ND
	PS89M-2/14/02- Fiberglass-04	Settled Dust	Classroom #202 - South side unit ventilators (Floor)		ND
	PS89M-2/14/02- Fiberglass-05	Settled Dust	and floor hallway - South end (Floor)		4% F.G.
	PS89M-2/14/02- Fiberglass-06	Settled Dust	Auditorium (Floor)		ND
	PS89M-2/14/02- Fiberglass-07	Settled Dust	Classroom #226 - North side unit ventilators		ND
	PS89M-2/14/02- Fiberglass-08	Settled Dust	Gymnasium (Floor)		ND
	PS89M-2/14/02- Fiberglass-09	Settled Dust	Classroom #306 - East side unit ventilators - Floor		ND
	PS89M-2/14/02- Fiberglass-10	Settled Dust	4th Floor hallway - South end		ND

CHAIN OF CUSTODY

17. Relinquished By: <i>Yiannis Efstathiou</i>	18. Date:	19. Time:	20. Received By: <i>QA</i>	21. Date: <i>2/14/02</i>	22. Time: <i>5:00p</i>	23. Method of Submittal:
						FIELD
						WALK IN
						US MAIL
						FED-X
						OTHER

LAB INFORMATION

24. Name and Signature: <i>QA</i>	25. Date: <i>2/14/02</i>	26. Time: <i>pm</i>	27. Comments (Lab): <i>10 PLM</i>
24a. Analyzed By:			
24b. Analyzed By:			
24c. QC By:			

ATC ASSOCIATES INC - NEW YORK - BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor - New York, NY 10010 - Phone (212) 353 - 8280, FAX (212) 353 - 3599 or 8306

NYLAP 101187

ELAP 10870

Microscope INLVP B11 Z

Client / Project

BOE / PS 89M / 201 Waverly / 10/10/10

Project No. 14584-0819

Analysis Date

2/14/12

Analyst

JIA

Batch No.

20015

1	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>15</u> Chrysotile	<u>40</u> Cellulose	<u>42</u> Mineral Fiber	<u>0</u> Organic
	Recommended ☐	Homogeneity <u>7</u>	Asbestos ☐	DS Color <u>Color, Pleo</u>	Color, Pleo <u>Sign</u>	<u>40</u> Amphibole	<u>80</u> Fiberglass	<u>0</u> Organic Binders	<u>0</u> Residue
	Gravimetric PREP ☐	# of Layers <u>7</u>	Detected Yes ☐ No ☐	Biref <u>Sign</u>		<u>80</u> Other	<u>0</u> Vermiculite	<u>0</u> Other	<u>0</u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u>tan</u>							<u>0</u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<u>0</u> Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

2	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>gran</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>2</u> Chrysotile	<u>4</u> Cellulose	<u>94</u> Mineral Fiber	<u>0</u> Organic
	Recommended ☐	Homogeneity <u>7</u>	Asbestos ☐	DS Color <u>Color, Pleo</u>	Color, Pleo <u>Sign</u>	<u>4</u> Amphibole	<u>0</u> Fiberglass	<u>0</u> Organic Binders	<u>0</u> Residue
	Gravimetric PREP ☐	# of Layers <u>7</u>	Detected Yes ☐ No ☐	Biref <u>Sign</u>		<u>0</u> Other	<u>0</u> Vermiculite	<u>0</u> Other	<u>0</u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u>tan</u>							<u>0</u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<u>0</u> Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

3	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>6</u> Chrysotile	<u>50</u> Cellulose	<u>44</u> Mineral Fiber	<u>0</u> Organic
	Recommended ☐	Homogeneity <u>7</u>	Asbestos ☐	DS Color <u>Color, Pleo</u>	Color, Pleo <u>Sign</u>	<u>50</u> Amphibole	<u>0</u> Fiberglass	<u>0</u> Organic Binders	<u>0</u> Residue
	Gravimetric PREP ☐	# of Layers <u>7</u>	Detected Yes ☐ No ☐	Biref <u>Sign</u>		<u>0</u> Other	<u>0</u> Vermiculite	<u>0</u> Other	<u>0</u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u>tan</u>							<u>0</u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<u>0</u> Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

4	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>8</u> Chrysotile	<u>80</u> Cellulose	<u>40</u> Mineral Fiber	<u>0</u> Organic
	Recommended ☐	Homogeneity <u>7</u>	Asbestos ☐	DS Color <u>Color, Pleo</u>	Color, Pleo <u>Sign</u>	<u>80</u> Amphibole	<u>0</u> Fiberglass	<u>0</u> Organic Binders	<u>0</u> Residue
	Gravimetric PREP ☐	# of Layers <u>7</u>	Detected Yes ☐ No ☐	Biref <u>Sign</u>		<u>0</u> Other	<u>0</u> Vermiculite	<u>0</u> Other	<u>0</u> Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer <u>tan</u>							<u>0</u> Other
	Gravimetric (HOB) TEM ☐	Comments:							<u>0</u> Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

CITY_21MC100_002880517

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104 East 25th Street, 10th Floor - New York, NY 10010 Phone (212) 353 - 8280, FAX (212) 353 - 3599 or 8306

NYLAP 101107

ELAP 1987a

Microscope OLVP B11 Z

Client / Project

BOE/KS9M/201 (Waiver) / NYN70022

Project No.

14584-0819

Analysis Date

2/14/02

Analyst

JAS

Batch No.

20015

1	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>gran</u>	Morphology ☐	Extinction ☐	☒ Chrysotile	8 Cellulose	84 Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	# of Layers <u>4</u>	RI I ☐	RI II ☐	☐ Amphibole	4 Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	Asbestos ☐	Asbestos ☐	DS Color ☐	Color, Pleo ☐	☐ Other	4 Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer ☐	Detected Yes No	Biref ☐	Sign ☐		8 gm	☐ Other	☐ Other
	Gravimetric (HOB) TEM ☐	Comments:					☐ O.C.	☐	☐ Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

2	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology ☐	Extinction ☐	☒ Chrysotile	4 Cellulose	66 Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	# of Layers <u>4</u>	RI I ☐	RI II ☐	☐ Amphibole	30 Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	Asbestos ☐	Asbestos ☐	DS Color ☐	Color, Pleo ☐	☐ Other	6 gm Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer ☐	Detected Yes No	Biref ☐	Sign ☐			☐ Other	☐ Other
	Gravimetric (HOB) TEM ☐	Comments:					☐ O.C.	☐	☐ Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

3	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology ☐	Extinction ☐	☒ Chrysotile	12 Cellulose	28 Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	# of Layers <u>4</u>	RI I ☐	RI II ☐	☐ Amphibole	60 Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	Asbestos ☐	Asbestos ☐	DS Color ☐	Color, Pleo ☐	☐ Other	60 gm Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer ☐	Detected Yes No	Biref ☐	Sign ☐			☐ Other	☐ Other
	Gravimetric (HOB) TEM ☐	Comments:					☐ O.C.	☐	☐ Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

4	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>gran</u>	Morphology ☐	Extinction ☐	☒ Chrysotile	8 Cellulose	60 Mineral Filler	☐ Organic
	Recommended ☐	Homogeneity <u>4</u>	# of Layers <u>4</u>	RI I ☐	RI II ☐	☐ Amphibole	32 Fiberglass	☐ Organic Binders	☐ Residue
	Gravimetric PREP ☐	Asbestos ☐	Asbestos ☐	DS Color ☐	Color, Pleo ☐	☐ Other	6 gm Other	☐ Vermiculite	☐ Carbonate
	Gravimetric (HOB) PLM ☐	Color of Layer ☐	Detected Yes No	Biref ☐	Sign ☐			☐ Other	☐ Other
	Gravimetric (HOB) TEM ☐	Comments:					☐ O.C.	☐	☐ Asbestos
	POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 prep. Asbestos = 0							

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104 East 25th Street, 10th Floor - New York, NY 10010 - Phone (212) 353 - 8280, FAX (212) 353 - 3599 or 8306

HVLP 101187

ELAP 101879

Microscope OL1P BH 2

Client / Project

BOB / PSC 9M / 201 Warren St / NY NY 10026

Project No.

14584-0219

Analysis Date

4/4/02

Analyst

JG

Batch No.

20015

1	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	9	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>10</u> Cellulose	<u>10</u> Mineral Filler	<u>Organic</u>
		Homogeneity <u>7</u>	Asbestos ☒	DS Color <u>Color Pleo</u>	Color Pleo <u>Sign</u>	<u>Amosite</u>	<u>20</u> Fiberglass	<u>Other</u>	<u>Residue</u>
		# of Layers <u>7</u>	Detected Yes No	Biref <u>Sign</u>		<u>Other</u>	<u>80</u> Other	<u>Other</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u>							<u>Other</u>
		Comments:				d.c.			<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0							

2	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
	10	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>4</u> Cellulose	<u>6</u> Mineral Filler	<u>Organic</u>
		Homogeneity <u>7</u>	Asbestos ☒	DS Color <u>Color Pleo</u>	Color Pleo <u>Sign</u>	<u>Amosite</u>	<u>90</u> Fiberglass	<u>Other</u>	<u>Residue</u>
		# of Layers <u>7</u>	Detected Yes No	Biref <u>Sign</u>		<u>Other</u>	<u>80</u> Other	<u>Other</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u>							<u>Other</u>
		Comments:				d.c.			<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0							

3	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>Cellulose</u>	<u>Mineral Filler</u>	<u>Organic</u>
		Homogeneity <u>7</u>	Asbestos ☐	DS Color <u>Color Pleo</u>	Color Pleo <u>Sign</u>	<u>Amosite</u>	<u>Fiberglass</u>	<u>Organic Binders</u>	<u>Residue</u>
		# of Layers <u>7</u>	Detected Yes No	Biref <u>Sign</u>		<u>Other</u>	<u>Other</u>	<u>Vermiculite</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u>						<u>Other</u>	<u>Other</u>
		Comments:				d.c.			<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0							

4	Field No.	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>RI I</u>	Extinction <u>RI II</u>	<u>Chrysotile</u>	<u>Cellulose</u>	<u>Mineral Filler</u>	<u>Organic</u>
		Homogeneity <u>7</u>	Asbestos ☐	DS Color <u>Color Pleo</u>	Color Pleo <u>Sign</u>	<u>Amosite</u>	<u>Fiberglass</u>	<u>Organic Binders</u>	<u>Residue</u>
		# of Layers <u>7</u>	Detected Yes No	Biref <u>Sign</u>		<u>Other</u>	<u>Other</u>	<u>Vermiculite</u>	<u>Carbonate</u>
		Color of Layer <u>Detected</u>						<u>Other</u>	<u>Other</u>
		Comments:				d.c.			<u>Asbestos</u>
		Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☒ SCANNING OPTION: ELAP (P.C.) & EPA First 4 preps. Asbestos = 0							

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