NYC 9/11 Public Portal Document

ATTACHMENT 4

ANAL;YTICAL LABORATORY REPORT

SILICA (Quartz Total)

NYC-WTC_000329054

NYC 9/11 Public Portal Document

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PSC ANALYTICAL SERVICES
4418 Pottsville Pike phone: (610) 921-8833
Reading, PA 19605 fax: (610) 921-9667

AIR SAMPLING CHAIN OF CUSTODY

PSC Work Order # R0110470
Page 1 of 1

Report Results To:	
PO #	Quote #
Name	James Cohn
Company	ATC Associates Inc.
Mailing Address	104 E 25th Street
City	New York State NY ZIP 10010
Telephone #	212.353.8280 Fax # 212.353.8206

Submit Invoice To:	
Name	
Company	
Mailing Address	SAME
City	State ZIP
Telephone #	Fax #
Credit Card Info (include exp. date)	

COMMON MATRIX TYPES

1. Badge (OVM/Passive Monitor)
2. Tube (specify type: charcoal, silica, XAD, etc)
3. Train (filter + tube, 2 tubes in series, etc)
4. Filter/Cassette (specify PVC, MCE, GFF, etc.)
5. Impinger Solutions (specify components)
6. Wipe (specify type)
7. Tedlar Bag
8. Summa Can
9. PUF/Resin/XAD
10. Other (list details):

Job/Project Name: 19125-0279
Sampler's Name(s): Wagh and Tenzin
Sampling Location (Specify State): New York
Due Date (Rush results requires Lab approval):

REPORTING REQUIREMENTS (Circle all that apply):
Full Data Package Reduced Deliverables Pkg Electronic Data Deliverables

ITEM #	SAMPLE DESCRIPTION (ID must match container labels)	MATRIX (see above list)	MEDIA (list catalog number)	FINAL AIR VOLUME (specify: Liters, minutes, etc)	SAMPLE DATE	SAMPLE TIMES Start	SAMPLE TIMES Stop	FLOW RATES (specify units: L/m) Initial	FLOW RATES Final	FLOW RATES Average	ANALYSIS REQUESTED Use attachments if necessary. Please specify method requirements.	
1	ATC-1113-234M-S1	PVC	CO37500 PVC	1020 l	11/13/02	0710	1710	1.7	1.7	1.7	Respirable Silica	Hallway by Cafeteria
2	ATC-1113-234M-S2			1020 l		0713	1713	1.7	1.7	1.7		Cafeteria
3	ATC-1113-234M-S3			1020 l		0716	1716	1.7	1.7	1.7		Gymnasium
4	ATC-1113-234M-S4			1020 l		0718	1718	1.7	1.7	1.7		Auditorium
5	ATC-1113-234M-S5			1020 l		0719	1719	1.7	1.7	1.7		Room 211 South
6	ATC-1113-234M-S6			1020 l		0720	1720	1.7	1.7	1.7		Room 215 South
7	ATC-1113-234M-S7			1020 l		0721	1721	1.7	1.7	1.7		Room 218 East
8	ATC-1113-234M-S8			Blank								Blank
9												
10												

(1) Relinquished by:	Date	Time	(2) Received by:	Date	Time
Tenzin	11/13/02				
(3) Relinquished by:	Date	Time	(4) Received by:	Date	Time
			AKB	11/15/02	1010

Method of Delivery: UPS FED-EX PSC Courier Client US Mail Other

NYC-WTC_000329055

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PSC ANALYTICAL SERVICES
4410 Pottsville Pike Reading, PA 19605
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INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0236
•NC DENR 599

Analytical Results for ATC Associates

WorkOrder: R02110470
Client Reference: 19125-0279

Analyte	Concentration (ug)	Concentration (mg/m³)	Concentration (ppm)	Limit of Detection (ug)	Test Method	Date Analyzed /Analyst	
Client ID: ATC-1113-234M-S1	**Lab ID:** -01A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** 1020	
Respirable Particulate Matter	<50.0	<0.0490	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	<0.00980	--	10	AIRBORNE SILICA	11/21/2002	SUB
Client ID: ATC-1113-234M-S2	**Lab ID:** -02A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** 1020	
Respirable Particulate Matter	<50.0	<0.0490	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	<0.00980	--	10	AIRBORNE SILICA	11/21/2002	SUB
Client ID: ATC-1113-234M-S3	**Lab ID:** -03A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** 1020	
Respirable Particulate Matter	<50.0	<0.0490	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	<0.00980	--	10	AIRBORNE SILICA	11/21/2002	SUB
Client ID: ATC-1113-234M-S4	**Lab ID:** -04A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** 1020	
Respirable Particulate Matter	<50.0	<0.0490	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	<0.00980	--	10	AIRBORNE SILICA	11/21/2002	SUB
Client ID: ATC-1113-234M-S5	**Lab ID:** -05A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** 1020	
Respirable Particulate Matter	<50.0	<0.0490	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	<0.00980	--	10	AIRBORNE SILICA	11/21/2002	SUB
Client ID: ATC-1113-234M-S6	**Lab ID:** -06A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** 1020	
Respirable Particulate Matter	<50.0	<0.0490	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	<0.00980	--	10	AIRBORNE SILICA	11/21/2002	SUB

CITY_21MC100_003272861

NYC-WTC_000329056

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INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0286
•NC DENR 599

Analytical Results for

ATC Associates

WorkOrder: R02110470

Client Reference: 19125-0279

Analyte	Concentration (ug)	Concentration (mg/m³)	Concentration (ppm)	Limit of Detection (ug)	Test Method	Date Analyzed /Analyst	
Client ID: ATC-1113-234M-S7	**Lab ID:** -07A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** 1020	
Respirable Particulate Matter	<50.0	<0.0490	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	<0.00980	--	10	AIRBORNE SILICA	11/21/2002	SUB
Client ID: ATC-1113-234M-S8	**Lab ID:** -08A	**Date Sampled:** 11/13/200		**Matrix:** Filter		**Air Vol.(L):** NA	
Respirable Particulate Matter	<50.0	--	--	50	N0600	11/21/2002	SUB
Silica (Quartz Total)	<10.0	--	--	10	AIRBORNE SILICA	11/21/2002	SUB

(a) Analysis indicates possible breakthrough; back section result is greater than 0% of the front section result.

General Notes:
<: Less than the indicated limit of detection (LOD).
--: Information not available or not applicable.
Back sections were checked and showed no significant breakthrough.

NYC-WTC_000329057
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