

**Quarterly Air Monitoring for Asbestos**

**Second Quarter Fiscal Year 2007**

**Byron G. Rogers Federal Office Building  
Denver, Colorado**

**For**

**General Services Administration**

**By**

**U.S. Public Health Service  
Federal Occupational Health  
Denver, Colorado**

**May 22, 2007**

## **INTRODUCTION**

This report summarizes the results of the Quarterly Air Monitoring for asbestos for the Second Quarter FY 2007 as requested by the General Services Administration (GSA) for the Bryon G. Rogers Office Building in Denver, Colorado. Elaine Holcomb performed this survey; Bruce Hills, CIH prepared the report. Federal Occupational Health (FOH), in accordance with the Memorandum of Agreement and Specification between the GSA and FOH, conducted the sampling on March 26 and 27, 2007.

## **EVALUATION CRITERIA**

FOH and GSA have agreed to use State of Colorado Regulation 8 as an equivalent or most stringent standard of exposure level for asbestos. The maximum allowable asbestos level in Regulation 8 using Transmission Electron Microscopy (TEM) is 70 structures per square millimeter (s/mm<sup>2</sup>).

## **METHODS**

Air flow sampling pumps were fitted with 25 millimeter air cassettes with 0.45 um mixed cellulose ester filters (MCEF), most were pre-calibrated at flow rates between 8.6 and 9.3 liters per minute (L/min), and placed on predetermined floors in various sections of the floors (see Drawings). Pumps were set to collect a minimum 1200 liters of air.

The samples were subsequently analyzed by the National Environmental Reference Laboratory (NERL) pursuant to the protocol in 40 C.F.R. Part 763, Appendix A of Subpart E (EPA 1995).

Sampling was conducted during the afternoon and evening. An attempt was made to monitor one to five locations on each floor. Collection of sample number 35 was stopped by the tenant on the 10<sup>th</sup> who refused to allow sampling in the area.

In the Bryon G. Rogers Building floors; 1, 3, 9,10,11,12, 13, 16, 17, and 18 were monitored for a total of 49 samples. (see Drawings for locations).

## **RESULTS**

A total of 49 samples were collected in the building. In the Byron G. Rogers Building all samples were below the recommended standard of 70 s/mm<sup>2</sup> and no asbestos structures were detected.

## **CONCLUSIONS**

No airborne asbestos was detected in the 49 samples collected.

## **Asbestos Air Monitoring Results**

**Byron G. Rogers Federal Office Building  
Denver, Colorado**

**March 26 & 27, 2007**

**U.S. Public Health Service  
Federal Occupational Health**

### **Summary:**

**On March 26 and 27, 2007, the U. S. Public Health Service, Federal Occupational Health collected 49 air samples inside the Byron Rogers Federal Office Building for monitoring airborne asbestos levels. The samples were analyzed by Transmission Electron Microscopy (TEM). No asbestos structures were detected in the 49 samples. The Public Health Service and GSA have agreed to use State of Colorado Regulation 8 as equivalent or most stringent standard of ambient asbestos exposure level. The maximum allowable asbestos level in Regulation 8 is equal to or less than 70 structures per square millimeter of air.**



Federal Occupational Health Service  
PO Box 25145  
Bldg 41, Ent E-1, Rm 190  
Denver Federal Center  
Denver Co 80225-0145  
Phone: 303-236-0076 x 603  
Fax: 303-236-3440

April 25, 2007

LGN T0782921

Elaine Holcomb  
Federal Occupational Health  
Building 41, Room 190, DFC  
Denver, CO 80225-0145

Dear Elaine:

Enclosed are the results of the analysis of 50 air samples from General Services Administration Byron Rogers Federal Building quarterly air sampling, Denver, submitted to the Federal Occupational Health Environmental Laboratory Asbestos/Fine Particle Analytical Division in Denver, CO, for transmission electron microscopy (TEM) analysis. The samples were received at this facility March 30, 2007, and were analyzed according to AHERA (40 CFR Part 763) protocol. The TEM results, which pertain only to those materials submitted for testing, are summarized in the enclosed report.

Details of this report are not discussed with any person or agency not associated with you or the GSA. This report may not be used to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) of the National Institute of Standards and Technology (NIST) or other U.S. Government agency.

Please call (303) 236-3455 ext. 603 if you have questions about this work, or other analytical services.

LABORATORY ANALYSTS

LABORATORY DIRECTOR

Handwritten signature of Mark A. Steiner in blue ink.

Handwritten signature of Bruce Hills in blue ink.

MARK A. STEINER MS  
Geologist/Microscopist

BRUCE HILLS, MS CSP  
Certified Industrial Hygienist

PAUL D. LoSCALZO  
Geologist/Microscopist

# FOHEL/AFPAD TRANSMISSION ELECTRON MICROSCOPY BRANCH

## AIRBORNE ASBESTOS ANALYSIS RESULTS

AGENCY: General Services Administration

LGN: T0782921

PROJECT I.D.: P121819/Byron Rogers FOB QAAM, Denver, CO

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### Sample Description

Sample Number	Sample Date	Description/Location/PCM LGN
EH070326-01	3/26/07	18 <sup>th</sup> Floor south side office
EH070326-02	3/26/07	18 <sup>th</sup> Floor conference room NW
EH070326-03	3/26/07	18 <sup>th</sup> Floor open area NW
EH070326-04	3/26/07	18 <sup>th</sup> Floor conference room NE
EH070326-05	3/26/07	18 <sup>th</sup> Floor open are E side
EH070326-06	3/26/07	17 <sup>th</sup> Floor open area SW
EH070326-07	3/26/07	17 <sup>th</sup> Floor office center N
EH070326-08	3/26/07	17 <sup>th</sup> Floor hallway center E
EH070326-09	3/26/07	17 <sup>th</sup> Floor SE corner office
EH070326-10	3/26/07	17 <sup>th</sup> Floor office E center S
EH070326-11	3/26/07	16 <sup>th</sup> Floor office center S
EH070326-12	3/26/07	16 <sup>th</sup> Floor SW hallway fount
EH070326-13	3/26/07	16 <sup>th</sup> Floor NW corner area
EH070326-14	3/26/07	16 <sup>th</sup> Floor north side office
EH070326-15	3/26/07	13 <sup>th</sup> Floor south side office

### Results of TEM Analysis

Sample Number	Volume (liters)	Particulate Loading	# Asbestos Structures	Asbestos /sq. mm	Asbestos /cc
EH070326-01	1539.0	L	ND	0	<0.0046
EH070326-02	1564.0	L	ND	0	<0.0045
EH070326-03	1530.0	L	ND	0	<0.0046
EH070326-04	1511.0	L	ND	0	<0.0046
EH070326-05	1503.0	L	ND	0	<0.0046
EH070326-06	1562.0	L	ND	0	<0.0045
EH070326-07	1521.0	L	ND	0	<0.0046
EH070326-08	1538.0	L	ND	0	<0.0046
EH070326-09	1479.0	L	ND	0	<0.0047
EH070326-10	1462.0	L	ND	0	<0.0047
EH070326-11	1566.0	L	ND	0	<0.0045
EH070326-12	1575.0	L	ND	0	<0.0044
EH070326-13	1566.0	L	ND	0	<0.0045
EH070326-14	1566.0	L	ND	0	<0.0037
EH070326-15	1584.0	L	ND	0	<0.0037

ND - None Detected. L - Light.

**Comments:** The AHERA clearance value is 70 asbestos structures/mm<sup>2</sup>.

**Analyst:** \_\_\_\_\_  
Mark A. Steiner

**Date:** 4/24/07

**TABLE 1  
CONTINUED**

AGENCY: General Services Administration

LGN: T0782921

PROJECT I.D.: P121819/Byron Rogers FOB QAAM, Denver, CO

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**Sample Description**

Sample Number	Sample Date	Description/Location/PCM LGN
EH070326-16	3/26/07	13 <sup>th</sup> Floor office S side
EH070326-17	3/26/07	13 <sup>th</sup> Floor NE office center
EH070326-18	3/26/07	13 <sup>th</sup> Floor office center N
EH070326-19	3/26/07	13 <sup>th</sup> Floor conference room
EH070326-20	3/26/07	13 <sup>th</sup> Floor office W side
EH070326-21	3/26/07	12 <sup>th</sup> Floor small room West
EH070326-22	3/26/07	12 <sup>th</sup> Floor break room north
EH070326-23	3/26/07	12 <sup>th</sup> Floor room center north
EH070326-24	3/26/07	12 <sup>th</sup> Floor outside ladies E
EH070326-25	3/26/07	12 <sup>th</sup> Floor first office north
EH070327-26	3/27/07	11 <sup>th</sup> Floor office center S
EH070327-27	3/27/07	11 <sup>th</sup> Floor cubicle SW corner
EH070327-28	3/27/07	11 <sup>th</sup> Floor cubicle NW ext
EH070327-29	3/27/07	11 <sup>th</sup> Floor office north side
EH070327-30	3/27/07	11 <sup>th</sup> Floor conference E elev

**Results of TEM Analysis**

Sample Number	Volume (liters)	Particulate Loading	# Asbestos Structures	Asbestos /sq. mm	Asbestos /cc
EH070326-16	1479.0	L	ND	0	<0.0040
EH070326-17	1476.0	L	ND	0	<0.0040
EH070326-18	1601.0	L	ND	0	<0.0037
EH070326-19	1443.0	L	ND	0	<0.0041
EH070326-20	1486.0	L	ND	0	<0.0039
EH070326-21	1566.0	L	ND	0	<0.0045
EH070326-22	1530.0	L	ND	0	<0.0046
EH070326-23	1485.0	L	ND	0	<0.0047
EH070326-24	1422.0	L	ND	0	<0.0049
EH070326-25	1395.0	L	ND	0	<0.0042
EH070327-26	1350.0	L	ND	0	<0.0043
EH070327-27	1347.0	L	ND	0	<0.0043
EH070327-28	1279.0	L	ND	0	<0.0046
EH070327-29	1308.0	L	ND	0	<0.0045
EH070327-30	396.0	L	ND	0	<0.0148

ND - None Detected. L - Light.

**Comments:** The AHERA clearance value is 70 asbestos structures/mm<sup>2</sup>.

**Analyst:** \_\_\_\_\_  
Mark A. Steiner

**Date:** 4/24/07

**TABLE 1  
CONTINUED**

AGENCY: General Services Administration

LGN: T0782921

PROJECT I.D.: P121819/Byron Rogers FOB QAAM, Denver, CO

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**Sample Description**

Sample Number	Sample Date	Description/Location/PCM LGN
EH070327-31	3/27/07	10 <sup>th</sup> Floor large meeting room
EH070327-32	3/27/07	10 <sup>th</sup> Floor computer training
EH070327-33	3/27/07	10 <sup>th</sup> Floor east elevator area
EH070327-34	3/27/07	10 <sup>th</sup> Floor by freight elev
EH070327-35	3/27/07	10 <sup>th</sup> Floor tenant refusal
EH070327-36	3/27/07	9 <sup>th</sup> Floor break room center S
EH070327-37	3/27/07	9 <sup>th</sup> Floor SE area W side
EH070327-38	3/27/07	9 <sup>th</sup> Floor center area W side
EH070327-39	3/27/07	9 <sup>th</sup> Floor storeroom NW corner
EH070327-40	3/27/07	9 <sup>th</sup> Floor W of center N side
EH070327-41	3/27/07	3rd Floor outside freight el
EH070327-42	3/27/07	3rd Floor doorway SW corner
EH070327-43	3/27/07	3rd Floor office SE corner
EH070327-44	3/27/07	3rd Floor break/work room
EH070327-45	3/27/07	3rd Floor east exam room

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**Results of TEM Analysis**

Sample Number	Volume (liters)	Particulate Loading	# Asbestos Structures	Asbestos /sq. mm	Asbestos /cc
EH070327-31	1458.0	L	ND	0	<0.0048
EH070327-32	1507.0	L	ND	0	<0.0046
EH070327-33	1413.0	L	ND	0	<0.0041
EH070327-34	1350.0	L	ND	0	<0.0043
EH070327-35	-----	-	--	-	-----
EH070327-36	1479.0	L	ND	0	<0.0047
EH070327-37	1557.0	L	ND	0	<0.0045
EH070327-38	1602.0	L	ND	0	<0.0044
EH070327-39	1629.0	L	ND	0	<0.0043
EH070327-40	1566.0	L	ND	0	<0.0045
EH070327-41	1406.0	L	ND	0	<0.0042
EH070327-42	1488.0	L	ND	0	<0.0047
EH070327-43	1323.0	L	ND	0	<0.0044
EH070327-44	1380.0	L	ND	0	<0.0042
EH070327-45	1359.0	L	ND	0	<0.0043

ND - None Detected. L - Light.

**Comments:** The AHERA clearance value is 70 asbestos structures/mm<sup>2</sup>.

**Analyst:** \_\_\_\_\_  
Mark A. Steiner

**Date:** 4/24/07

**TABLE 1  
CONTINUED**

AGENCY: General Services Administration LGN: T0782921  
 PROJECT I.D.: P121819/Byron Rogers FOB QAAM, Denver, CO Page 4 of 21

**Sample Description**

Sample Number	Sample Date	Description/Location/PCM LGN
EH070327-46	3/27/07	1 <sup>st</sup> Floor postal employee rm
EH070327-47	3/27/07	1st Floor north side
EH070327-48	3/27/07	1st Floor trash compacting
EH070327-49	3/27/07	1st Floor office left in GSA
EH070327-50	3/27/07	1st Floor far NE in GSA
EH070327-51	3/27/07	FB 1 Not Analyzed
EH070327-52	3/27/07	FB 2 Not Analyzed
EH070327-53	3/27/07	FB 3 Not Analyzed
EH070327-54	3/27/07	FB 4 Not Analyzed
EH070327-55	3/27/07	FB 5 Not Analyzed

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**Results of TEM Analysis**

Sample Number	Volume (liters)	Particulate Loading	# Asbestos Structures	Asbestos /sq. mm	Asbestos /cc
EH070327-46	1359.0	L	ND	0	<0.0043
EH070327-47	1362.0	L	ND	0	<0.0043
EH070327-48	1395.0	L	ND	0	<0.0042
EH070327-49	1386.0	L	ND	0	<0.0042
EH070327-50	1413.0	L	ND	0	<0.0041

ND - None Detected. L - Light.

**Comments:** The AHERA clearance value is 70 asbestos structures/mm<sup>2</sup>.

**Analyst:** \_\_\_\_\_  
 Mark A. Steiner

**Date:** 4/24/07



Sample #: **EH070326-01** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070326-02** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070326-03** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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**Analyst:** \_\_\_\_\_  
Mark A. Steiner

**Date:** 4/22/07

Sample #: **EH070326-04** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-05** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-06** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Analyst: \_\_\_\_\_  
Mark A. Steiner

Date: 4/22/07

Sample #: **EH070326-07** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-08** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-09** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0047** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Analyst: \_\_\_\_\_  
Mark A. Steiner

Date: 4/22/07

Sample #: **EH070326-10** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0047** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-11** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-12** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0044** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Analyst: \_\_\_\_\_  
Mark A. Steiner

Date: 4/22/07

Sample #: **EH070326-13** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070326-14** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0037** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **DF061226-15** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0037** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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**Analyst:** \_\_\_\_\_  
Paul D. LoScalzo

**Date:** 4/22/07

Sample #: **EH070326-16** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0040** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-17** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0040** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-18** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0037** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/22/07

Sample #: **EH070326-19** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0041** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070326-20** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0039** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070326-21** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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**Analyst:** \_\_\_\_\_  
Paul D. LoScalzo

**Date:** 4/22/07

Sample #: **EH070326-22** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-23** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0047** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070326-24** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0049** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/22/07



Sample #: **EH070326-25** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0042** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070327-26** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0043** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070327-27** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0043** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/22/07

Sample #: **EH070327-28** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070327-29** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Sample #: **EH070327-30** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0148** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

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Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/22/07

Sample #: **EH070327-31** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0048** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070327-32** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0046** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070327-33** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0041** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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**Analyst:** \_\_\_\_\_  
Paul D. LoScalzo

**Date:** 4/22/07

Sample #: **EH070327-34** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0043** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

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Sample #: **EH070327-35** Type of Analysis: **N.A.**  
Total Area Analyzed: **N.A.** sq. mm Analytical Sensitivity: **N.A.** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
------------------	-----------------	------------------------	---------------------	------------------------------

**Comments:** Not Analyzed - Refused by Tenant.

-----

Sample #: **EH070327-36** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0047** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

**Comments:**

-----

**Analyst:** \_\_\_\_\_  
Paul D. LoScalzo

**Date:** 4/22/07

Sample #: **EH070327-37** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-38** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0044** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-39** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0043** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/24/07

Sample #: **EH070327-40** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0045** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-41** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0042** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-42** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0550** sq. mm Analytical Sensitivity: **0.0047** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/24/07

Sample #: **EH070327-43** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0044** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-44** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0042** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-45** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0043** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/24/07

Sample #: **EH070327-46** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0043** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-47** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0043** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Sample #: **EH070327-48** Type of Analysis: **AHERA**  
Total Area Analyzed: **0.0660** sq. mm Analytical Sensitivity: **0.0042** s/cc

Asbestos Mineral	Structure Types	Structures > 5 $\mu$ m	Excluded Structures	Structures for Concentration
None	0	0	0	0

Comments:

-----

Analyst: \_\_\_\_\_  
Paul D. LoScalzo

Date: 4/24/07







National Environmental Reference Laboratory  
 Building 41, Room 190, POB 25145  
 Denver Federal Center  
 Denver, CO 80225-0145  
 Tel: (303)-236-3455 ext. 603 Fax: (303)-236-3440  
 Attn: Mark A. Steiner

PROJECT REFERENCE  
 Agreement No.: **4105366**  
 Statement of Work No.: **5125800**  
 Project No.: **P125819**  
 Agency/Project Name: **Byron Rogers 184**  
 Location (City, State): **Denver CO**

For Lab Use Only  
 Project Report #: **7D782021**  
 Due Date: **3/30/07**  
 Samples Received Chilled? YES  NO  (circle one)

Conditions on Receipt with Name & Date  
**Good**  
**3/30/07**

Contact Information  
 Name: **Mark A. Steiner**  
 Address: **11500 E. Harvard Ave. Suite 1000 Denver, CO 80231**  
 Phone/Fax: **303-886-9978**  
 Email: **steiner@nepsl.com**

Water Sample Codes  
 Container Types: **P-Plastic, G-Glass, V-VOC**  
 Preservatives: **A-None, B-H<sub>2</sub>SO<sub>4</sub>, C-HNO<sub>3</sub>, D-NaOH**

Turn Around Time Codes  
 STD - Standard  
 R - Rush  
 2D - Two Day Rush  
 ND - Next Day Rush  
 SD - Same Day Rush  
 WH - Weekend/Holiday

ID #	Type	Sample		Sample Location / Description	Air		Wipe		Water		Turn Around Time	Lab ID #
		Media	Collected Date / Time		Flow (LPM)	Time (min)	Volume (liters)	Area (m <sup>2</sup> )	Volume (liters)	Code		
<b>EH0703K</b>	<b>1</b>	<b>9</b>	<b>03/26/05</b>	<b>18th floor south side office</b>	<b>9.0</b>	<b>171</b>	<b>1539</b>					
<b>2</b>				<b>18th floor near conference room elevator</b>	<b>9.2</b>	<b>170</b>	<b>1564</b>					
<b>3</b>				<b>open area NE quadrant</b>	<b>9.0</b>	<b>170</b>	<b>1530</b>					
<b>4</b>				<b>18th floor conference room</b>	<b>9.1</b>	<b>166</b>	<b>1511</b>					
<b>5</b>				<b>18th floor open area east side</b>	<b>9.0</b>	<b>167</b>	<b>1503</b>					
<b>6</b>			<b>1405</b>	<b>17th floor open southwest corner area</b>	<b>9.3</b>	<b>168</b>	<b>1562</b>					
<b>7</b>				<b>office at center of north side</b>	<b>9.0</b>	<b>169</b>	<b>1521</b>					
<b>8</b>				<b>center of hallway east side</b>	<b>9.1</b>	<b>169</b>	<b>1538</b>					

Sample Type Codes  
 1-Air 2-Water 3-Point 4-Soil 5-Dust  
 6-Bulk 7-Wipe 8-Contact Plate  
 9-Tape 10-Spore Trap (Zoon & others)  
 11-Other

Sample Media Codes  
 1-Charcoal 2-XAD 3-Matched Weight  
 4-Preweighed 5-MECA 6-CCA 7-R2A/TSA  
 8-Air-O Cell Cassette 9-MCE Cassette (0.45)  
 10-MCE Cassette (0.9) 11-MCE Filter 12-Other

Relinquished By: **MSA**

Date & Time

Received By: **Mark Steiner**

Date & Time: **3/30/07**

\* Applied to non-viable microbiological samples only. Applied to asbestos samples, SD: 2-hour PLM/PCM, 6-hour TEM, ND: 24-hour, R: 3-5 business days.

Environmental Microbiology Laboratory  
 Building 41, Room 199, POB 25145  
 Denver Federal Center  
 Denver, CO 80225-0145  
 Tel: (303)-236-3456 ext. 603 Fax: (303)-236-3440  
 Attn: Mark A. Steiner

Agreement No.: 4103366  
 Statement of Work No.: 5125800  
 Project No.: P125819  
 Agency/Project Name: Byron Rogers Bldg  
 Location (City, State): Denver, CO

FOR LAB USE ONLY  
 Project/Report #: TD782921  
 Due Date: \_\_\_\_\_  
 Samples Received Chilled? YES NO (circle one)

Water Sample Codes: \_\_\_\_\_  
 Container Types: P-Plastic, G-Glass, V-VOG  
 Preservatives: A-None, B-H<sub>2</sub>SO<sub>4</sub>, C-HNO<sub>3</sub>, D-NaOH  
 Turn Around Time Codes: STD-Standard, R-Rush, 2D-Two Day Rush, ND-Next Day Rush, SD-Same Day Rush, WH-Weekend/Holiday

Conditions on Receipt with Name & Date

ID #	Type	Media	Collected		Sample Location / Description	Flow Rate (LPM)	Air Time (Min)	Volume (Liters)	Wipes Area (ft <sup>2</sup> )	Water Volume (Liters)	Turn Around Time	Lab ID #	Analysis Requested
			Date	Time									
EH010336					17th floor								
9	1	9	03/26/05	1405	S.E. corner office	8.6	172	1479					
					office just east of center south side	8.6	170	1462					
10					10th floor - office just west of center south side	8.9	176	1566					
11					west of center south side by drinking fountain	9.0	175	1575					
12					NW corner of open area	9.0	174	1566					
13					office - 2nd east of center, north side	9.0	174	1566					
14					at NE corner of floor	9.0	176	1584					
15					13th floor - office - 2nd from east, south side	9.0	164	1476					
16													

Sample Type Codes:  
 1-Air 2-Water 3-Paint 4-Soil 5-Dust  
 6-Bulk 7-Wipe 8-Contact Plate  
 9-Tape 10-Spore Trap (Zefon & others)  
 11-Other

Sample Media Codes:  
 1-Chloroac 2-XAD 3-Matched Weight  
 4-Preweighed 5-MEA 6-CCA 7-R2A/TSA  
 8-ATC-Cell Cassette 9-MCE Cassette (0.45)  
 10-MCE Cassette (0.9) 11-MCE Filter 12-Other

Relinquished By: *ms*

Date & Time: \_\_\_\_\_  
 Received By: *ms*  
 Date & Time: 3/30/07

Applied to non-viable microbiological samples only.  
 Applied to asbestos samples, SD: 2-hour PLM/PCM, 6-hour TEM, ND: 24-hour, R: 3-5 business days.



National Environmental Reference Laboratory  
 Building 41, Room 190, POB 25145  
 Denver Federal Center  
 Denver, CO 80225-0145  
 Tel: (303)-236-3455 ext. 603 Fax: (303)-236-3440

Attn: Mark A. Steiner  
 Contact Information  
 Name: *Mark A. Steiner*  
 Address: *3150 Bryant Street, Denver, CO*  
 Phone/Fax: *303-886-0978*  
 Email: *Mark.Steiner@epa.gov*

PROJECT REFERENCE  
 Agreement No.: *41053500*  
 Statement of Work No.: *5125800*  
 Project No.: *P125819*

For Lab Use Only  
 Project Report #: *70182921*  
 Due Date:  
 Samples Received Chilled? YES NO (circle one)

Conditions on Receipt with Name & Date

ID #	Type	Media <sup>1</sup>	Sample		Sample Location / Description	Air			Water		Turn Around Time <sup>4</sup>	Analysis Requested
			Collected Date	Time		Flow (LPM)	Time (Min.)	Volume (Liters)	Wipe Area (ft <sup>2</sup> )	Volume (Liters)		
<i>EH070326</i>	<i>1</i>	<i>9</i>	<i>03/26/07</i>	<i>1455</i>	<i>12th floor office east of center south side</i>	<i>9.0</i>	<i>155</i>	<i>1395</i>				
<i>EH070327</i>			<i>03/27/07</i>	<i>1500</i>	<i>11th office just west of center south side</i>	<i>9.0</i>	<i>150</i>	<i>1350</i>				
<i>26</i>					<i>at cubicle 503</i>	<i>9.1</i>	<i>148</i>	<i>1347</i>				
<i>27</i>					<i>at cubicle near corner of open area</i>	<i>9.2</i>	<i>139</i>	<i>1279</i>				
<i>28</i>					<i>at cubicle near core of NB extension</i>	<i>8.9</i>	<i>147</i>	<i>1308</i>				
<i>29</i>					<i>office next east of center north side</i>	<i>9.0</i>	<i>144</i>	<i>396</i>				
<i>30</i>					<i>conference next east of elevators</i>							
<i>31</i>					<i>10th large meeting room east end</i>	<i>9.0</i>	<i>162</i>	<i>1458</i>				
<i>32</i>					<i>computer training room near center east side</i>	<i>9.3</i>	<i>162</i>	<i>1507</i>				

Sample Type Codes:  
 1-Air 2-Water 3-Plant 4-Soil 5-Dust  
 6-Bulk 7-Wipe 8-Contact Plate  
 9-Tape 10-Spore Trap (Zefon & others)  
 11-Other

Sample Media Codes:  
 1-Charcoal 2-XAD 3-Matched Weight  
 4-Preweighed 5-MEA 6-CCA 7-R2A/MSA  
 8-Air-O-Cell Cassette 9-MNCE Cassette (0.45)  
 10-MNCE Cassette (0.9) 11-MNCE Filter 12-Other

Relinquished By: *MSA*  
 Date & Time:  
 Received By: *Michael...*  
 Date & Time: *3/30/07*

Building 41, Room 190, POB 25145  
 Denver Federal Center  
 Denver, CO 80225-0145  
 Tel: (303)-236-3465 ext. 603 Fax: (303)-236-3440  
 Attn: Mark A. Steiner

Contact Information  
 Name: *1111 S. Lewis, Henderson & Sons, Inc.*  
 Address: *3150 Pearl & Arden Boulevard*  
 Phone/Fax: *303-886-9978*  
 Email: *lewis.henderson@hendersons.com*

Agreement No.: *4103366*  
 Statement of Work No.: *5125800*  
 Project No.: *P125819*  
 Agency/Project Name:  
 Location: *Byron Rogers Bldg.*  
 (City, State): *Denver CO*

FOR LAB USE ONLY  
 Project Report #: *TD782921*  
 Due Date:  
 Samples Received Chilled? YES NO (circle one)  
 Water Sample Codes:  
 Container Types:  
 P-Plastic, G-Glass, V-VOC  
 Preservatives:  
 A-None, B-H<sub>2</sub>SO<sub>4</sub>,  
 C-HNO<sub>3</sub>, D-NaOH

Turn Around Time Codes:  
 STD- Standard  
 R- Rush®  
 2D- Two Day Rush®  
 ND- Next Day Rush®  
 SD- Same Day Rush®  
 WH- Weekend/Holiday®  
 Analysis Requested

ID #	Type	Media	Sample		Sample Location / Description	Flow (LPM)	Air Time (Min.)	Volume (Liters)	Wipe Area (in <sup>2</sup> )	Water Volume (Liters)	Turn Around Time	Lab ID #
			Collected Date	Time								
<del>EH03327</del>					Floor - Map provided							
33	I	Q	03 27	1507	10th location moved to corner area by east elevators - let tenant to pack - lock or mould at tenant request to common room by freight elevator	9.0	157	1413				
34	I	Q				9.0	150	1350				
35	I	Q	03 27	1415	Location refused by tenant 9th break room center of south side	8.7	110	1479				
36	I	Q	03 27		SEC corner of open area west side	9.0	173	1551				
37	I	Q			Center of open area west side	9.0	178	1602				
38	I	Q			Store room next to corner NW corner	9.0	181	1629				
39	I	Q			2nd room west of center north side	9.0	174	1566				
40	I	Q										

Sample Type Codes:  
 1-Air 2-Water 3-Paint 4-Soil 5-Dust  
 6-Bulk 7-Vulc 8-Contact Plate  
 9-Tape 10-Spore Trap (Zoon & others)  
 11-Other

Sample Media Codes:  
 1-Chloroal 2-XAD 3-Matched Weight  
 4-Preweighed 5-MEA 6-CCA 7-R2A/TSA  
 8-Air-O-Cell Cassette 9-MCE Cassette (0.45)  
 10-MCE Cassette (0.9) 11-MCE Filter 12-Other

Relinquished By: *MSD*  
 Date & Time:  
 Received By: *Michelle*  
 Date & Time: *3/30/07*  
*Michelle*  
*4/25/07*

Applied to non-viable microbiological samples only. Applied to asbestos samples, SD: 2-hour PLM/PCM, 6-hour TEM, ND: 24-hour, R: 3-5 business days.  
 page 5 of 7

Conditions on receipt with Name & Date

NATIONAL ENVIRONMENTAL REFERENCE LABORATORY

Building 41, Room 186, POB 25145  
 Denver Federal Center  
 Denver, CO 80225-0145

Tel: (303)-236-3455 ext. 603 Fax: (303)-236-3440

Attn: Mark A. Steiner

Contact Information

Name: *Mark A. Steiner*

Address: *3150 Briar (West) Boulevard*

Phone/Fax: *303-856-0978*

Email: *Mark.Steiner@epa.gov*

PROJECT REFERENCE

Agreement No.: *4105350*

Statement of Work No.: *5125800*

Project No.: *P125819*

Agency/Project Name: *Byron Rogers R44*

Location (City, State): *Denver CO*

For Lab Use Only

Project / Report # *10152921*

Due Date: *3/25/07*

Samples Received Chilled? YES NO (circle one)

Water Sample Codes<sup>3</sup>

Container Types: P-Plastic, G-Glass, V-VOC

Preservatives: A-None, B-H<sub>2</sub>SO<sub>4</sub>, C-HNO<sub>3</sub>, D-NaOH

Turn Around Time Codes<sup>4</sup>

STD - Standard

R - Rush<sup>®</sup>

2D - Two Day Rush<sup>®</sup>

ND - Next Day Rush<sup>®</sup>

SD - Same Day Rush<sup>®</sup>

WH - Weekend/Holiday<sup>®</sup>

Conditions on Receipt with Name & Date

Received By: *Mark A. Steiner*

Date & Time: *3/25/07*

ID #	Type <sup>1</sup>	Media <sup>2</sup>	Sample		Sample Location / Description	Air			Water	Turn Around Time <sup>5</sup>	Lab ID #
			Collected Date	Time		Flow (LPM)	Time (Min.)	Volume (Liters)			
41	I	9	03/27/07	1318	3rd SW corner of room outside freight elevator clearway between second office in SE corner	8.9	158	1406			
42					in back / work room near center north side of east side	9.3	160	1488			
43					office in SE corner	9.0	147	1323			
44					1st postal / employee room	8.9	155	1380			
45					2nd from west south side	9.0	151	1359			
46					2nd from west north side	9.0	151	1359			
47					2nd from west north side	8.9	153	1362			
48					truck compacting room by freight elevator	9.0	155	1395			

Sample Type Codes:

- 1-Air 2-Water 3-Part 4-Soil 5-Dust
- 6-Bulk 7-Misc 8-Contact Plate
- 9-Tape 10-Spore Trap (Zefon & others)
- 11-Other

Sample Media Codes:

- 1-Charcoal 2-XAD 3-Matched Weight
- 4-Preweighed 5-MEA 6-CCA 7-R2A/ISA
- 8-Air-O-Cell Cassette 9-MCE Cassette (0.45)
- 10-MCE Cassette (0.9) 11-MCE Filter 12-Other

Relinquished By

*MDL*

Date & Time

*3/25/07*

Received By

*Mark A. Steiner*

Date & Time

*3/25/07*

Applied to non-viable microbiological samples only. Applied to asbestos samples, SD: 2-hour PLM/PCM, 6-hour TEM; ND: 24-hour; R: 3-5 business days.

page 6 of 7