Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/20/2013
Date Sampled: 3/20/2013
Date Analyzed: 3/20/2013
Date Received: 3/20/2013

Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature: [redacted]
5USC 552 (b) (6)

Laboratory Coefficient of Variation: 0.45 AIHA Organization #: 102543
Individual CV: 0-5 fiber range (CV)= 0.75, 5.1-20 fiber range (CV) 0.36, 20.1-50 fiber range (CV)= 0.25, 50.1-100 fiber range (CV)=0.21, 100.1 & up (CV)=0.15
Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

0.0080

		SAMPLING DATA					ANALYTICAL DATA			
Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1067	1785	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1068	1786	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1069	1787	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	10	12.50	0.0040	Yes
BB-1070	1788	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	14	17.50	0.0056	Yes

AIR MONITORING DATA FORM

Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400
Date Sampled: 3-20-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 3-20-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 3-20-2013 Address: Contractor:
KES Project No: 002-AI-2012.001 Client Project No Area: # of Samples: 4
Turnaround Time:

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1067	1785	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1068	1786	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1069	1787	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	10	12.50	0.0040	N/A
BB-1070	1788	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	14	17.50	0.0056	N/A
													N/A
													N/A

Sample results proceeded by a "less than" sign (<) are calculated using a count of 7 fibers per 100 fields. This is the reliable limit of quantification as determined by NIOSH. Actual fiber counts are lower than the detection limit of 7 fibers per 100 fields. Note: P- Personal; A- Area; E – Excursion; C- Clearance

Contact Person: Phone No: Fax No: Contact Made:

Chain of Custody

Shipped to: Via: Date:

Submitted By: Submitted By: Submitted By: Submitted By:

Date/Time: Date/Time: Date/Time: Date/Time:

Received By: Received By: Received By: Received By:

Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/19/2013
Date Sampled: 3/19/2013
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Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
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Project Number: 0002-AI-2012.001

Signature: [redacted]

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0.0080

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Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1063	1781	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1064	1782	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1065	1783	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	12	15.00	0.0048	Yes
BB-1066	1784	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	9	11.25	0.0036	Yes

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Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400
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KES Project No: 002-AI-2012.001 Client Project No Area: # of Samples: 4
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BB-1063	1781	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1064	1782	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1065	1783	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	12	15.00	0.0048	N/A
BB-1066	1784	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	9	11.25	0.0036	N/A
													N/A
													N/A

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Chain of Custody

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Submitted By: Submitted By: Submitted By: Submitted By:

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Received By: Received By: Received By: Received By:

Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/18/2013
Date Sampled: 3/18/2013
Date Analyzed: 3/18/2013
Date Received: 3/18/2013

Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature [redacted]

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Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

0.0080

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Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1059	1777	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1060	1778	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1061	1779	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	15	18.75	0.0060	Yes
BB-1062	1780	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	13	16.25	0.0052	Yes

	KINGSTON ENVI NMENTAL MANAGEMENT SYSTEM TITLE	
	Document No. 4.5.1 – F6	Date: August 26, 2009
	Document Owner: Dr. Georgi Popov	Revision: Original

AIR MONITORING DATA FORM

Page ____1_____of__1_____ Client:_U.S. General Services Administration _____ Microscope Field Area:__.0080____ Method:__7400____
Date Sampled: _3-18-2013____ Address: _1500 E. Bannister Rd, Kansas City, MO 64131____ Analyst: Mark Liechti_____
Date Logged: __3-18-2013___ Facility: _Bolling Building – Phase IV Renovation_____ Surveyor: Mark Liechti_____
Date Analyzed: _3-18-2013___ Address: _____ Contractor:_____
KES Project No: _002-AI-2012.001 Client Project No_____ Area: _____ # of Samples: _4_____
Turnaround Time:_____

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1059	1777	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1060	1778	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1061	1779	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	15	18.75	0.0060	N/A
BB-1062	1780	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	13	16.25	0.0052	N/A
													N/A
													N/A

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Contact: _____ Phone: _____ Fax No: _____ Contact: _____
Person: _____ No: _____ Made: _____

Chain of Custody

Shipped to: _____ Via: _____ Date: _____

Submitted By: _____ Submitted By: _____ Submitted By: _____ Submitted By: _____

Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____

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Phase Contrast Microscopy Air Sample Analysis Report

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Kansas City, MO 64131

Date of Report: 3/15/2013
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Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature: [redacted]

5USC 552 (b) (6)

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Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

0.0080

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Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1055	1773	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1056	1774	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1057	1775	16th Floor C.L.B.6-13	AMBIENT	5	240	1200	9	11.25	0.0036	Yes
BB-1058	1776	18th Floor C.L. B.6-10	AMBIENT	5	240	1200	10	12.50	0.0040	Yes

KINGSTON ENV[illegible]NMENTAL MANAGEMENT SYSTEM TITLE	
Document No. 4.5.1 – F6	Date: August 26, 2009
Document Owner: Dr. Georgi Popov	Revision: Original

AIR MONITORING DATA FORM

Page ____1_____of__1_____ Client:_U.S. General Services Administration _____ Microscope Field Area:__.0080____ Method:__7400____
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Date Logged: __3-15-2013___ Facility: _Bolling Building – Phase IV Renovation_____ Surveyor: Mark Liechti_____
Date Analyzed: _3-15-2013___ Address: _____ Contractor:_____
KES Project No: _002-AI-2012.001 Client Project No_____ Area: _____ # of Samples: _4_____
Turnaround Time:_____

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1055	1773	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1056	1774	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1057	1775	16th Fl. C.L. B.6-13	6	A	5	6:00	10:00	240	1200	9	11.25	0.0036	N/A
BB-1058	1776	18th Fl. C.L. B.6-10	1	A	5	6:05	10:05	240	1200	10	12.50	0.0040	N/A
													N/A
													N/A

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Contact Person: _____ Phone: _____ Fax No: _____ Contact: _____ Made: _____ No: _____

Chain of Custody

Shipped to: _____ Via: _____ Date: _____

Submitted By: _____ Submitted By: _____ Submitted By: _____ Submitted By: _____

Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____

Received By: _____ Received By: _____ Received By: _____ Received By: _____

Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/14/2013
Date Sampled: 3/14/2013
Date Analyzed: 3/14/2013
Date Received: 3/14/2013

Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature: [redacted] 5USC 552 (b) (6)

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		SAMPLING DATA					ANALYTICAL DATA			
Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1051	1769	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1052	1770	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1053	1771	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	11	13.75	0.0044	Yes
BB-1054	1772	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	12	15.00	0.0048	Yes

KINGSTON ENVI NMENTAL MANAGEMENT SYSTEM TITLE	
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AIR MONITORING DATA FORM

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Date Analyzed: _3-14-2013___ Address: _____ Contractor:_____
KES Project No: _002-AI-2012.001 Client Project No_____ Area: _____ # of Samples: _4_____
Turnaround Time:_____

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1051	1769	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1052	1770	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1053	1771	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	11	13.75	0.0044	N/A
BB-1054	1772	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	12	15.00	0.0048	N/A
													N/A
													N/A

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Chain of Custody

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0.0080

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Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1047	1765	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1048	1766	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1049	1767	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	15	18.75	0.0060	Yes
BB-1050	1768	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	10	12.50	0.0040	Yes

AIR MONITORING DATA FORM

Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400

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KES Project No: 002-AI-2012.001 Client Project No Area: # of Samples: 4

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BB-1047	1765	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1048	1766	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1049	1767	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	15	18.75	0.0060	N/A
BB-1050	1768	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	10	12.50	0.0040	N/A
													N/A
													N/A

Sample results proceeded by a "less than" sign (<) are calculated using a count of 7 fibers per 100 fields. This is the reliable limit of quantification as determined by NIOSH. Actual fiber counts are lower than the detection limit of 7 fibers per 100 fields. Note: P- Personal; A- Area; E – Excursion; C- Clearance

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Signature [redacted] 5USC 552 (b) (6)

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Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

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12A	BFB-									
BB-1043	1761	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1044	1762	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1045	1763	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	9	11.25	0.0036	Yes
BB-1046	1764	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	13	16.25	0.0052	Yes

AIR MONITORING DATA FORM

Page ____1_____of__1_____ Client:_U.S. General Services Administration _____ Microscope Field Area:__.0080____ Method:__7400____

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Date Logged: __3-12-2013___ Facility: _Bolling Building – Phase IV Renovation_____ Surveyor: Mark Liechti_____

Date Analyzed: _3-12-2013___ Address: _____ Contractor:_____

KES Project No: _002-AI-2012.001 Client Project No_____ Area: _____ # of Samples: _4_____

Turnaround Time:_____

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1043	1761	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1044	1762	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1045	1763	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	9	11.25	0.0036	N/A
BB-1046	1764	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	13	16.25	0.0052	N/A
													N/A
													N/A

Sample results proceeded by a "less than" sign (<) are calculated using a count of 7 fibers per 100 fields. This is the reliable limit of quantification as determined by NIOSH. Actual fiber counts are lower than the detection limit of 7 fibers per 100 fields. Note: P- Personal; A- Area; E – Excursion; C- Clearance

Contact: _____ Phone: _____ Fax No: _____ Contact:_____

Person: _____ No: _____ Made: _____

Chain of Custody

Shipped to: _____ Via: _____ Date: _____

Submitted By: _____ Submitted By: _____ Submitted By: _____ Submitted By:_____

Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____

Received By: _____ Received By: _____ Received By: _____ Received By: _____

Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/11/2013
Date Sampled: 3/11/2013
Date Analyzed: 3/11/2013
Date Received: 3/11/2013

Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature: [redacted] 5USC 552 (b) (6)

Laboratory Coefficient of Variation: 0.45 AIHA Organization #: 102543
Individual CV: 0-5 fiber range (CV)= 0.75, 5.1-20 fiber range (CV) 0.36, 20.1-50 fiber range (CV)= 0.25, 50.1-100 fiber range (CV)=0.21, 100.1 & up (CV)=0.15
Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

0.0080

		SAMPLING DATA					ANALYTICAL DATA			
Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1039	1757	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1040	1758	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1041	1759	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	10	12.50	0.0040	Yes
BB-1042	1760	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	9	11.25	0.0036	Yes

AIR MONITORING DATA FORM

Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400

Date Sampled: 3-11-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti

Date Logged: 3-11-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti

Date Analyzed: 3-11-2013 Address: Contractor:

KES Project No: 002-AI-2012.001 Client Project No Area: # of Samples: 4

Turnaround Time:

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1039	1757	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1040	1758	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1041	1759	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	10	12.50	0.0040	N/A
BB-1042	1760	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	9	11.25	0.0036	N/A
													N/A
													N/A

Sample results proceeded by a "less than" sign (<) are calculated using a count of 7 fibers per 100 fields. This is the reliable limit of quantification as determined by NIOSH. Actual fiber counts are lower than the detection limit of 7 fibers per 100 fields. Note: P- Personal; A- Area; E – Excursion; C- Clearance

Contact: Person: Phone: No: Fax No: Contact: Made:

Chain of Custody

Shipped to: Via: Date:

Submitted By: Submitted By: Submitted By: Submitted By:

Date/Time: Date/Time: Date/Time: Date/Time:

Received By: Received By: Received By: Received By:

Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/8/2013
Date Sampled: 3/8/2013
Date Analyzed: 3/8/2013
Date Received: 3/8/2013

Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature: [redacted] 5USC 552 (b) (6)

Laboratory Coefficient of Variation: 0.45 AIHA Organization #: 102543
Individual CV: 0-5 fiber range (CV)= 0.75, 5.1-20 fiber range (CV) 0.36, 20.1-50 fiber range (CV)= 0.25, 50.1-100 fiber range (CV)=0.21, 100.1 & up (CV)=0.15
Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

0.0080

		SAMPLING DATA					ANALYTICAL DATA			
Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1035	1753	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1036	1754	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1037	1755	16th Floor C.L.B.6-13	AMBIENT	5	240	1200	11	13.75	0.0044	Yes
BB-1038	1756	18th Floor C.L. B.6-10	AMBIENT	5	240	1200	13	16.25	0.0052	Yes

AIR MONITORING DATA FORM

Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400
Date Sampled: 3-8-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 3-8-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 3-8-2013 Address: Contractor:
KES Project No: 002-AI-2012.001 Client Project No Area: # of Samples: 4
Turnaround Time:

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1035	1753	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1036	1754	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1037	1755	16th Fl. C.L. B.6-13	6	A	5	6:30	10:30	240	1200	11	13.75	0.0044	N/A
BB-1038	1756	18th Fl. C.L. B.6-10	1	A	5	6:35	10:35	240	1200	13	16.25	0.0052	N/A
													N/A
													N/A

Sample results proceeded by a "less than" sign (<) are calculated using a count of 7 fibers per 100 fields. This is the reliable limit of quantification as determined by NIOSH. Actual fiber counts are lower than the detection limit of 7 fibers per 100 fields. Note: P- Personal; A- Area; E – Excursion; C- Clearance

Contact: Phone: Fax No: Contact:
Person: No: Made:

Chain of Custody

Shipped to: Via: Date:

Submitted By: Submitted By: Submitted By: Submitted By:

Date/Time: Date/Time: Date/Time: Date/Time:

Received By: Received By: Received By: Received By:

Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/7/2013
Date Sampled: 3/7/2013
Date Analyzed: 3/7/2013
Date Received: 3/7/2013

Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature: [redacted]

5USC 552 (b) (6)

Laboratory Coefficient of Variation: 0.45 AIHA Organization #: 102543
Individual CV: 0-5 fiber range (CV)= 0.75, 5.1-20 fiber range (CV) 0.36, 20.1-50 fiber range (CV)= 0.25, 50.1-100 fiber range (CV)=0.21, 100.1 & up (CV)=0.15
Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

0.0080

		SAMPLING DATA					ANALYTICAL DATA			
Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1031	1749	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1032	1750	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1033	1751	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	13	16.25	0.0052	Yes
BB-1034	1752	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	16	20.00	0.0064	Yes

	KINGSTON ENVIRONMENTAL MANAGEMENT SYSTEM TITLE	
	Document No. 4.5.1 – F6	Date: August 26, 2009
	Document Owner: Dr. Georgi Popov	Revision: Original

AIR MONITORING DATA FORM

Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400
Date Sampled: 3-7-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 3-7-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 3-7-2013 Address: Contractor:
KES Project No: 002-AI-2012.001 Client Project No Area: # of Samples: 4
Turnaround Time:

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1031	1749	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1032	1750	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1033	1751	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	13	16.25	0.0052	N/A
BB-1034	1752	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	16	20.00	0.0064	N/A
													N/A
													N/A

Sample results proceeded by a "less than" sign (<) are calculated using a count of 7 fibers per 100 fields. This is the reliable limit of quantification as determined by NIOSH. Actual fiber counts are lower than the detection limit of 7 fibers per 100 fields. Note: P- Personal; A- Area; E – Excursion; C- Clearance

Contact: Person: Phone: No: Fax No: Contact: Made:

Chain of Custody

Shipped to: Via: Date:

Submitted By: Submitted By: Submitted By: Submitted By:

Date/Time: Date/Time: Date/Time: Date/Time:

Received By: Received By: Received By: Received By:

Phase Contrast Microscopy Air Sample Analysis Report

Client: General Services Administration
1500 E. Bannister Road
Kansas City, MO 64131

Date of Report: 3/6/2013
Date Sampled: 3/6/2013
Date Analyzed: 3/6/2013
Date Received: 3/6/2013

Kingston Environmental Laboratory
15450 Hangar Road
Kansas City, Missouri 64147
Office: 816/524-8811 Fax: 816/525-5027

Project Name: Bolling Building - Phase IV Renovation
Project Address: 601 E. 12th St., Kansas City, MO 64106
Sampled By: Mark Liechti / AIHA Registry # 9179
Analyst: MarkLiechti / AIHA Registry # 9179

Project Number: 0002-AI-2012.001

Signature [redacted]

5USC 552 (b) (6)

Laboratory Coefficient of Variation: 0.45 AIHA Organization #: 102543
Individual CV: 0-5 fiber range (CV)= 0.75, 5.1-20 fiber range (CV) 0.36, 20.1-50 fiber range (CV)= 0.25, 50.1-100 fiber range (CV)=0.21, 100.1 & up (CV)=0.15
Analytical Method: NIOSH 7400, Issue 2, Dated August 15, 1994

0.0080

SAMPLING DATA							ANALYTICAL DATA			
Lab. No.	Sample ID	Sample Location	Sample Type	Flow Rate l/min	Total Minutes	Total Volume	Fibers/ 100 Fields	Fiber Density F/mm2	Concentr. F/cc	Below PEL Yes/No
12A	BFB-									
BB-1027	1745	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1028	1746	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1029	1747	16th Floor C.L.B.6-13	AMBIENT	4	300	1200	9	11.25	0.0036	Yes
BB-1030	1748	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	12	15.00	0.0048	Yes

KINGSTON ENVIRONMENTAL MANAGEMENT SYSTEM TITLE	
Document No. 4.5.1 – F6	Date: August 26, 2009
Document Owner: Dr. Georgi Popov	Revision: Original

AIR MONITORING DATA FORM

Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400
Date Sampled: 3-6-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 3-6-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 3-6-2013 Address: Contractor:
KES Project No: 002-AI-2012.001 Client Project No Area: # of Samples: 4
Turnaround Time:

Lab Number 11A-	Sample Number BFB-	Location or Employee	Pump Number	Sample Type	Flow Rate (L/Min)	Time ON	Time OFF	Total Min.	Volume (L)	Fibers/Field	Density (F/mm2)	Conc. (F/cc)	TWA
BB-1027	1745	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1028	1746	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1029	1747	16th Fl. C.L. B.6-13	6	A	4	6:00	11:00	300	1200	9	11.25	0.0036	N/A
BB-1030	1748	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	12	15.00	0.0048	N/A
													N/A
													N/A

Sample results proceeded by a "less than" sign (<) are calculated using a count of 7 fibers per 100 fields. This is the reliable limit of quantification as determined by NIOSH. Actual fiber counts are lower than the detection limit of 7 fibers per 100 fields. Note: P- Personal; A- Area; E – Excursion; C- Clearance

Contact: Phone: Fax No: Contact:
Person: No: Made:

Chain of Custody

Shipped to: Via: Date:

Submitted By: Submitted By: Submitted By: Submitted By:

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Received By: Received By: Received By: Received By: