Phase Contrast Microscopy Air Sample Analysis Report

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

Date of Report: 4/24/2013
Date Sampled: 4/24/2013
Date Analyzed: 4/24/2013
Date Received: 4/24/2013

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. 12A	Sample ID BFB-	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
BB-1151	1869	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1152	1870	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1153	1871	16th Floor Elevator Lobby	AMBIENT	5	240	1200	16	20.00	0.0064	Yes
BB-1154	1872	18th Floor Elevator Lobby	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: _4-24-2013____ Address: _1500 E. Bannister Rd, Kansas City, MO 64131____ Analyst: Mark Liechti_____

Date Logged: __4-24-2013___ Facility: _Bolling Building – Phase IV Renovation_____ Surveyor: Mark Liechti_____

Date Analyzed: _4-24-2013___ 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-1151	1869	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1152	1870	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1153	1871	16th Fl. Elevator Lobby	6	A	5	6:00	10:00	240	1200	16	20.00	0.0064	N/A
BB-1154	1872	18th Fl. Elevator Lobby	1	A	5	6:05	10:05	240	1200	11	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:_____

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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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Signature [redacted]

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0.0080

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Lab. No. 12A	Sample ID BFB-	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
BB-1147	1865	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1148	1866	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1149	1867	16th Floor Elevator Lobby	AMBIENT	4	300	1200	13	16.25	0.0052	Yes
BB-1150	1868	18th Floor Elevator Lobby	AMBIENT	4	300	1200	11	13.75	0.0044	Yes

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

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BB-1147	1865	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1148	1866	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1149	1867	16th Fl. Elevator Lobby	6	A	4	6:00	11:00	300	1200	13	16.25	0.0052	N/A
BB-1150	1868	18th Fl. Elevator Lobby	1	A	4	6:05	11:05	300	1200	11	13.75	0.0044	N/A
													N/A
													N/A

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Phase Contrast Microscopy Air Sample Analysis Report

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

Date of Report: 4/17/2013
Date Sampled: 4/17/2013
Date Analyzed: 4/17/2013
Date Received: 4/17/2013

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

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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-1143	1861	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1144	1862	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1145	1863	16th Floor Inside Rm. 1625	AMBIENT	15	90	1350	11	13.75	0.0039	Yes
BB-1146	1864	16th Floor Outside Rm. 1625	AMBIENT	15	90	1350	14	17.50	0.0050	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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Date Analyzed: 4-17-2013 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-1143	1861	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1144	1862	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1145	1863	16th Fl. Inside Rm. 1625	6	A	15	6:05	7:35	90	1350	11	13.75	0.0039	N/A
BB-1146	1864	16th Fl. Outside Rm. 1625	1	A	15	6:10	7:40	90	1350	14	17.50	0.0050	N/A
													N/A
													N/A

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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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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-1139	1857	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1140	1858	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1141	1859	16th Floor C.L.B.2-8	AMBIENT	7	180	1260	9	11.25	0.0034	Yes
BB-1142	1860	18th Floor C.L. B.6-10	AMBIENT	7	180	1260	13	16.25	0.0050	Yes

	KINGSTON ENVI[illegible]MENTAL MANAGEMENT SYSTEM TITLE	
	Document No. 4.5.1 – F6	Date: August 26, 2009
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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-1139	1857	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1140	1858	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1141	1859	16th Fl. C.L. B.2-8	6	A	7	6:00	9:00	180	1260	9	11.25	0.0034	N/A
BB-1142	1860	18th Fl. C.L. B.6-10	1	A	7	6:05	9:05	180	1260	13	16.25	0.0050	N/A
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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-1135	1853	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1136	1854	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1137	1855	16th Floor C.L.B.2-8	AMBIENT	5	240	1200	10	12.50	0.0040	Yes
BB-1138	1856	18th Floor C.L. B.6-10	AMBIENT	5	240	1200	11	13.75	0.0044	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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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-1135	1853	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1136	1854	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1137	1855	16th Fl. C.L. B.2-8	6	A	5	6:00	10:00	240	1200	10	12.50	0.0040	N/A
BB-1138	1856	18th Fl. C.L. B.6-10	1	A	5	6:05	10:05	240	1200	11	13.75	0.0044	N/A
													N/A
													N/A

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12A	BFB-									
BB-1131	1849	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1132	1850	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1133	1851	16th Floor C.L.B.2-8	AMBIENT	4	300	1200	12	15.00	0.0048	Yes
BB-1134	1852	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	14	17.50	0.0056	Yes

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BB-1131	1849	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1132	1850	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1133	1851	16th Fl. C.L. B.2-8	6	A	4	6:00	11:00	300	1200	12	15.00	0.0048	N/A
BB-1134	1852	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

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12A	BFB-									
BB-1127	1845	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1128	1846	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1129	1847	16th Floor C.L.B.2-8	AMBIENT	4	300	1200	9	11.25	0.0036	Yes
BB-1130	1848	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	10	12.50	0.0040	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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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-1127	1845	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1128	1846	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1129	1847	16th Fl. C.L. B.2-8	6	A	4	6:00	11:00	300	1200	9	11.25	0.0036	N/A
BB-1130	1848	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

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: 4/9/2013
Date Sampled: 4/9/2013
Date Analyzed: 4/9/2013
Date Received: 4/9/2013

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-1123	1841	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1124	1842	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1125	1843	16th Floor C.L.B.2-8	AMBIENT	4	300	1200	12	15.00	0.0048	Yes
BB-1126	1844	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	11	13.75	0.0044	Yes

	KINGSTON ENV 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: _4-9-2013____ Address: _1500 E. Bannister Rd, Kansas City, MO 64131____ Analyst: Mark Liechti_____
Date Logged: __4-9-2013___ Facility: _Bolling Building – Phase IV Renovation_____ Surveyor: Mark Liechti_____
Date Analyzed: _4-9-2013___ 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-1123	1841	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1124	1842	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1125	1843	16th Fl. C.L. B.2-8	6	A	4	6:00	11:00	300	1200	12	15.00	0.0048	N/A
BB-1126	1844	18th Fl. C.L. B.6-10	1	A	4	6:05	11:05	300	1200	11	13.75	0.0044	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: 4/8/2013
Date Sampled: 4/8/2013
Date Analyzed: 4/8/2013
Date Received: 4/8/2013

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-1119	1837	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1120	1838	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1121	1839	16th Floor C.L.B.2-8	AMBIENT	4	300	1200	10	12.50	0.0040	Yes
BB-1122	1840	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: 4-8-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 4-8-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 4-8-2013 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-1119	1837	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1120	1838	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1121	1839	16th Fl. C.L. B.2-8	6	A	4	6:00	11:00	300	1200	10	12.50	0.0040	N/A
BB-1122	1840	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: 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: 4/5/2013
Date Sampled: 4/5/2013
Date Analyzed: 4/5/2013
Date Received: 4/5/2013

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-1115	1833	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1116	1834	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1117	1835	16th Floor C.L.B.2-8	AMBIENT	5	240	1200	11	13.75	0.0044	Yes
BB-1118	1837	18th Floor C.L. B.6-10	AMBIENT	5	240	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
Date Sampled: 4-5-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 4-5-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 4-5-2013 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-1115	1833	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1116	1834	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1117	1835	16th Fl. C.L. B.2-8	6	A	5	6:00	10:00	240	1200	11	13.75	0.0044	N/A
BB-1118	1836	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

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: 4/4/2013
Date Sampled: 4/4/2013
Date Analyzed: 4/4/2013
Date Received: 4/4/2013

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-1111	1829	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1112	1830	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1113	1831	16th Floor C.L.B.2-8	AMBIENT	4	300	1200	9	11.25	0.0036	Yes
BB-1114	1832	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
Date Sampled: 4-4-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 4-4-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 4-4-2013 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-1111	1829	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1112	1830	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1113	1831	16th Fl. C.L. B.2-8	6	A	4	6:00	11:00	300	1200	9	11.25	0.0036	N/A
BB-1114	1832	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: 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: 4/3/2013
Date Sampled: 4/3/2013
Date Analyzed: 4/3/2013
Date Received: 4/3/2013

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-1107	1825	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1108	1826	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1109	1827	16th Floor C.L.B.2-8	AMBIENT	4	300	1200	14	17.50	0.0056	Yes
BB-1110	1828	18th Floor C.L. B.6-10	AMBIENT	4	300	1200	16	20.00	0.0064	Yes

AIR MONITORING DATA FORM

Page 1 of 1 Client: U.S. General Services Administration Microscope Field Area: .0080 Method: 7400
Date Sampled: 4-3-2013 Address: 1500 E. Bannister Rd, Kansas City, MO 64131 Analyst: Mark Liechti
Date Logged: 4-3-2013 Facility: Bolling Building – Phase IV Renovation Surveyor: Mark Liechti
Date Analyzed: 4-3-2013 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-1107	1825	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1108	1826	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1109	1827	16th Fl. C.L. B.2-8	6	A	4	6:00	11:00	300	1200	14	17.50	0.0056	N/A
BB-1110	1828	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: 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: 4/2/2013
Date Sampled: 4/2/2013
Date Analyzed: 4/2/2013
Date Received: 4/2/2013

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-1103	1821	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1104	1822	Field Blank	Blank	N/A	N/A	N/A	0	0.00	N/A	N/A
BB-1105	1823	16th Floor C.L.B.2-8	AMBIENT	4	300	1200	10	12.50	0.0040	Yes
BB-1106	1824	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____

Date Sampled: _4-2-2013____ Address: _1500 E. Bannister Rd, Kansas City, MO 64131____ Analyst: Mark Liechti_____

Date Logged: __4-2-2013___ Facility: _Bolling Building – Phase IV Renovation_____ Surveyor: Mark Liechti_____

Date Analyzed: _4-2-2013___ 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-1103	1821	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1104	1822	Field Blank	-	-	-	-	-	-	-	0	0.00	0.00	N/A
BB-1105	1823	16th Fl. C.L. B.2-8	6	A	4	6:00	11:00	300	1200	10	12.50	0.0040	N/A
BB-1106	1824	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: _____