



2604 NE Industrial Drive, Suite 230
North Kansas City, Missouri 64117
Telephone: 816.231.5580
Fax: 816.231.5641
www.occutec.com

September 3, 2019

Diane Czarnecki
Industrial Hygienist
Facilities Management Division
GSA Public Buildings Service – Heartland Region
2300 Main Street
Kansas City, Missouri 64108

RE: Side-by-Side Environmental Sampling Report – Bldg. 104
Goodfellow Federal Center
4300 Goodfellow Boulevard, St. Louis, MO 63120
Project Number: 919103

Ms. Czarnecki,

In response to an ongoing Occupational Safety and Health Administration (OSHA) inspection of the Goodfellow Federal Center (GFC) located at the above referenced address, OCCU-TEC Inc. (OCCU-TEC) was contracted by the General Services Administration (GSA) to collect representative environmental samples from various locations throughout the building. OCCU-TEC was instructed to collect samples for the same contaminants at approximately half of the same locations as the OSHA inspector.

OCCU-TEC collected samples from Building 104 on August 7-8, 2019. The air samples were analyzed for asbestos, Arsenic, Cadmium, and Lead. Settled dust samples were analyzed for Arsenic, Cadmium, and Lead. These analyses mirrored the OSHA inspector's samples.

All results were less the laboratory limit of detection.

The samples collected were only indicative of the time of the sample and were not collected as 8-hour TWA for comparison to the OSHA permissible exposure limits (PELs). Analytical results from the independent laboratory are attached.

Please note that the results of this investigation are only applicable to the time of sampling and the current activities being completed at the time of sampling. Conditions at the site may have changed resulting in higher or lower concentrations that were not measured during this investigation. This report has been prepared for the sole use of the GSA. Use by other parties is expressly forbidden without the expressed written consent of the GSA and OCCU-TEC.

OCCU-TEC appreciates the opportunity to provide the GSA with the above references sampling services. If you have any questions, please contact us at (816) 231-5580.

Sincerely,

(b) (6)

Jeff T. Smith
Senior Project Manager

(b) (6)

Kevin Heriford
Operations Manager (QA/QC)



ASBESTOS (PCM) RESULTS





Airborne Fiber Analysis

By Phase Contrast Microscopy
NIOSH 7400, Issue 2, (A Counting Rules)



Customer: OCCU-TEC Inc.
2604 NE Industrial Drive, Suite 230
North Kansas City, MO 64117

Attn: Jeff Smith

Lab Order ID: 71921293

Analysis ID: 1921293_PCM

Date Received: 8/13/2019

Project: GFC-Bldg 104

Date Reported: 8/16/2019

Sample ID	Description	Volume	Fibers	Filter	LOD	Conc.
Lab Sample ID	Lab Notes	Filter Area	Fields	(Fibers / mm ²)	(Fibers / cc)	(Fibers / cc)
104-Asb-01	Field blank	0 L	< 5.5	< 7.0	N/A	N/A
71921293PCM_1		385 mm ²	100			
104-Asb-02	Field blank	0 L	< 5.5	< 7.0	N/A	N/A
71921293PCM_2		385 mm ²	100			
104-Asb-03	Office cubicle area at H-4	492 L	< 5.5	< 7.0	0.0055	< 0.0055
71921293PCM_3		385 mm ²	100			
104-Asb-04	Warehouse at D-9	435 L	< 5.5	< 7.0	0.0062	< 0.0062
71921293PCM_4		385 mm ²	100			
104-Asb-05	2nd Floor office at H-9	421 L	< 5.5	< 7.0	0.0064	< 0.0064
71921293PCM_5		385 mm ²	100			
104-Asb-06	2nd Fl office at B-28	864 L	< 5.5	< 7.0	0.0031	< 0.0031
71921293PCM_6		385 mm ²	100			
104-Asb-07	2nd Fl office at F-49	435 L	< 5.5	< 7.0	0.0062	< 0.0062
71921293PCM_7		385 mm ²	100			

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Sharon Donald (7)

(b) (6)

Analyst

Approved Signatory



Scientific Analytical Institute
 4604 Dundas Dr. Greensboro, NC 27407
 Phone: 336.292.3888 Fax: 336.292.3313
 www.sailab.com lab@sailab.com

Lab Use Only
 Lab Order ID: 11921293
 Client Code: _____

Company Contact Information	
Company: Occu Tec	Contact: Jeff Smith
Address: 2604 NE Industrial Drive # 230	Phone <input type="checkbox"/>
North Kansas City, MO 64117	Fax <input type="checkbox"/>
	Email <input checked="" type="checkbox"/> jsmith@occutec.com
Billing/Invoice Information	
Company:	90 Min. <input type="checkbox"/> 48 Hours <input type="checkbox"/>
Contact: Jay Hurst	3 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/>
Address:	6 Hours <input type="checkbox"/> 96 Hours <input type="checkbox"/>
	12 Hours <input type="checkbox"/> 120 Hours <input checked="" type="checkbox"/>
	24 Hours <input type="checkbox"/> 144 Hours <input type="checkbox"/>

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input type="checkbox"/>
Positive stop	<input type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input checked="" type="checkbox"/>
B Rules (PCB) <input type="checkbox"/> TWA (PTA) <input type="checkbox"/>	
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-02	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other:	<input type="checkbox"/>

PO Number: 919103
Project Name/Number: GFC - Bldg 104

Sample ID #	Description/Location	Volume/Area	Comments
104-Asb-01	Field Blank	—	
-02	Field Blank	—	
-03	Office Cubicle Area at H-4	492 l	
-04	Warehouse at D-9	435 l	
-05	2nd Floor - Office at G-12 H-9	421 l	
-06	2nd Fl Office at B-28	864 l	
-07	2nd Fl Office at F-49	435 l	
			Accepted <input checked="" type="checkbox"/>
			Rejected <input type="checkbox"/>

Total # of Samples _____

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	8-12-19:1300	(b) (6)	8/12 10:30 A

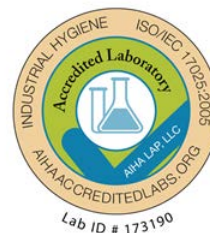
METALS IN AIR RESULTS





Airborne Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)

NIOSH Method 7303



Client:	OCCU-TEC Inc. 2604 NE Industrial Drive, Ste 230 North Kansas City, MO 64117	Attn: Jeff Smith	Lab Order ID: 71921294 Date Received: 08/14/2019 Date Reported: 08/20/2019
Project:	GFC-104		Page: 1 of 2

Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m ³)
Lab Sample ID	Lab Notes					
104-PbA-01	Field blank	-	As	0.25	< 0.25	-
			Cd	0.075	< 0.075	-
71921294IPA_1			Pb	0.13	< 0.13	-
104-PbA-02	Field blank	-	As	0.25	< 0.25	-
			Cd	0.075	< 0.075	-
71921294IPA_2			Pb	0.13	< 0.13	-
104-PbA-03	1 st Fl file cabinet at H-2	807	As	0.25	< 0.25	< 0.31
			Cd	0.075	< 0.075	< 0.093
71921294IPA_3			Pb	0.13	< 0.13	< 0.16
104-PbA-04	1 st Fl file cabinet at G-9	489	As	0.25	< 0.25	< 0.51
			Cd	0.075	< 0.075	< 0.15
71921294IPA_4			Pb	0.13	< 0.13	< 0.27
104-PbA-05	2 nd Fl office area at G-12	392	As	0.25	< 0.25	< 0.64
			Cd	0.075	< 0.075	< 0.19
71921294IPA_5			Pb	0.13	< 0.13	< 0.33
104-PbA-06	2 nd Fl office cube at H-19	418	As	0.25	< 0.25	< 0.60
			Cd	0.075	< 0.075	< 0.18
71921294IPA_6			Pb	0.13	< 0.13	< 0.31
104-PbA-07	2 nd Fl office at J-41	491	As	0.25	< 0.25	< 0.51
			Cd	0.075	< 0.075	< 0.15
71921294IPA_7			Pb	0.13	< 0.13	< 0.26

Melissa Ferrell

(b) (6)

Analyst

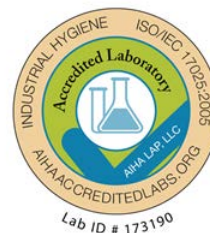
Lab Director

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Airborne Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)

NIOSH Method 7303



Client:	OCCU-TEC Inc. 2604 NE Industrial Drive, Ste 230 North Kansas City, MO 64117	Attn: Jeff Smith	Lab Order ID: 71921294 Date Received: 08/14/2019 Date Reported: 08/20/2019
Project:	GFC-104		Page: 2 of 2

Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m ³)
Lab Sample ID	Lab Notes					
104-PbA-08	2 nd Fl office at B-51	459	As	0.25	< 0.25	< 0.054
			Cd	0.075	< 0.075	< 0.16
71921294IPA_8			Pb	0.13	< 0.13	< 0.28

Melissa Ferrell

Analyst

(b) (6)

Lab Director

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METALS IN SETTLED DUST RESULTS





Dust Wipe Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)

NIOSH 7300/EPA SW-846 3050B



Client: OCCU-TEC Inc. 2604 NE Industrial Drive, Ste 230 North Kansas City, MO 64117	Attn: Jeff Smith	Lab Order ID: 71921279 Date Received: 08/13/2019 Date Reported: 08/20/2019
Project: GFC-104		Page: 1 of 2

Sample ID	Description	Area (ft ²)	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft ²)
Lab Sample ID	Lab Notes					
104-PbW-01	1 st Fl Desk at J-6	1	As	0.50	< 0.50	< 0.50
71921279IPW_1			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25
104- PbW -02	1 st Fl File Tray at H-9	1	As	0.50	< 0.50	< 0.50
71921279IPW_2			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25
104- PbW -03	1 st Fl Floor at Crossover	1	As	0.50	< 0.50	< 0.50
71921279IPW_3			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25
104- PbW -04	2 nd Fl Top of Fridge at G-11	1	As	0.50	< 0.50	< 0.50
71921279IPW_4			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25
104- PbW -05	2 nd Fl Top of Cabinet at G-22	1	As*	0.75	< 0.75	< 0.75
71921279IPW_5			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25
104- PbW -06	2 nd Floor Top of Fridge at G-27	1	As*	0.75	< 0.75	< 0.75
71921279IPW_6			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25
104- PbW -07	2 nd Fl Top of Desk at D-18	1	As	0.50	< 0.50	< 0.50
71921279IPW_7			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25
104- PbW -08	2 nd Hall Locker #236	1	As	0.50	< 0.50	< 0.50
71921279IPW_8			Cd	0.15	< 0.15	< 0.15
			Pb	0.25	< 0.25	< 0.25

*As - elevated RL due to analyte interference

Melissa Ferrell

Analyst

(b) (6)

Lab Director

* SAI is AIHA ELLAP accredited for Pb only for dust wipe metals.

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Dust Wipe Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)

NIOSH 7300/EPA SW-846 3050B



Client: OCCU-TEC Inc.
2604 NE Industrial Drive, Ste 230
North Kansas City, MO 64117

Attn: Jeff Smith

Lab Order ID: 71921279

Date Received: 08/13/2019

Date Reported: 08/20/2019

Project: GFC-104

Page: 2 of 2

Sample ID	Description	Area (ft ²)	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft ²)
Lab Sample ID	Lab Notes					
104- PbW -09	Field Blank	-	As	0.50	< 0.50	-
			Cd	0.15	< 0.15	-
71921279IPW_9			Pb	0.25	< 0.25	-

Melissa Ferrell

Analyst

(b) (6)

Lab Director

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Scientific Analytical Institute
 4604 Dundas Dr. Greensboro, NC 27407
 Phone: 336.292.3888 Fax: 336.292.3313
 www.sailab.com lab@sailab.com

Lab Use Only 71921219
 Lab Order ID: 71921219
 Client Code: _____

Contact Information

Company Name: Occu-Tec
 Address: 2604 NE Industrial Drive
Suite 7.30
North Kansas City, MO 64117
 Contact: Jeff Smith
 Phone :
 Fax :
 Email : jsmith@occutec.com
 PO Number:
 Project Name/Number: GFC-104

Billing/Invoice Information

Company:
 Address:
 Contact: Jay Hurst
 Phone :
 Fax :
 Email :

Lead Test Types

Paint Chips by Flame AA (PBP) Soil by Flame AA (PBS) Other
 Wipe by Flame AA (PBW) Air by Flame AA (PBA) Pb, Ar, Cd

Turn Around Times

3 Hours	<input type="checkbox"/>	72 Hours	<input type="checkbox"/>
6 Hours	<input type="checkbox"/>	96 Hours	<input type="checkbox"/>
12 Hours	<input type="checkbox"/>	120 Hours	<input checked="" type="checkbox"/>
24 Hours	<input type="checkbox"/>	144+ Hours	<input type="checkbox"/>
48 Hours	<input type="checkbox"/>		

Sample ID #	Description/Location	Volume/Area	Comments
104-PbW-01	1st Fl desk at J-6	1 SF	Pb, As, Cd only ↓
-02	1st Fl File tray at H-9	1 SF	
-03	1st Fl Floor at Crossover	1 SF	
-04	2nd Fl Top of Fridge at G-11	1 SF	
-05	2nd Fl Top of cabinet at G-22	1 SF	
-06	2nd Fl Top of Fridge at G-27	1 SF	
-07	2nd Fl Top of desk at D-18	1 SF	
-08	2nd Hall Locker #236	1 SF	
-09	Field Blank	-	

Accepted
 Rejected

Total Number of Samples _____

Relinquished by <u>(b) (6)</u>	Date/Time <u>8-12-19 1300</u>	Received by <u>(b) (6)</u>	Date/Time <u>8/13 10:30A</u>
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