OCCU-TEC

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

August 5, 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. 102E
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 102E on July 23, 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.

Results indicated detectible levels of lead dust in one of the settled dust samples. Sample 102E-Pbw-01 from a shelf in the back-storage area within the USDA space resulted in a lead level of 4.2 micrograms per square foot. All other 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

Project: GFC- 102E

Lab Order ID: 71919396
Analysis ID: 1919396_PCM
Date Received: 7/24/2019
Date Reported: 7/30/2019

Sample ID	Description	Volume	Fibers	Filter (Fibers / mm²)	LOD (Fibers / cc)	Conc. (Fibers / cc)
Lab Sample ID	*Lab Notes*	*Filter Area*	Fields			
102E-05	2nd floor lobby-outside VA	450 L	< 5.5	< 7.0	0.0060	**< 0.0060**
71919396PCM_1		*385 mm²*	100			
102E-06	Field blank	0 L	< 5.5	< 7.0	N/A	**N/A**
71919396PCM_2		*385 mm²*	100			

Philip Szabo (2)

Analyst

(b) (6)

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: 71919396
Client Code: _____

Company Contact Information	
Company: Occu-Tec	Contact: Jeff Smith
Address: 2604 NE Industrial Drive	Phone ☐:
Suite 230	Fax ☐:
North Kansas City, MO 64117	Email ☒: jsmith@occutec.com

Billing/Invoice Information	Turn Around Times	
Company:	90 Min. ☐	48 Hours ☐
Contact: Jay Hurst	3 Hours ☐	72 Hours ☐
Address:	6 Hours ☐	96 Hours ☐
	12 Hours ☐	120 Hours ☒
	24 Hours ☐	144+Hours ☐

PO Number: 919103
Project Name/Number: GFC - 102E

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

Sample ID #		Volume/Area	Comments
102E-05	2nd Floor Lobby - outside VA	450 l	PCM analysis (Not TEM)
102E-06	Field Blank	—	PCM (Not TEM)
			Accepted ☑
			Rejected ☐

Total # of Samples 2

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	7-23-19	(b) (6)	7/24 10:30

A-F-017 EXP: 12-1-13

METALS IN AIR RESULTS

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

NIOSH Method 7303

Client:	**OccuTec**	**Attn:**	**Jeff Smith**	**Lab Order ID:**	**71919405**
	2604 NE Industrial Drive Suite 230			**Date Received:**	**07/24/2019**
	North Kansas City, MO 64117			**Date Reported:**	**07/30/2019**
Project:	**GFC-102E**			**Page:**	**1 of 1**

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m³)
102E-01	1st Floor Lobby - Outside #103	718.68	As	0.25	< 0.25	< 0.35
			Cd	0.025	< 0.025	< 0.035
71919405IPA_1			Pb	0.13	< 0.13	< 0.18
102E-02	2nd Floor Lobby- Outside VA Space	781	As	0.25	< 0.25	< 0.32
			Cd	0.025	< 0.025	< 0.032
71919405IPA_2			Pb	0.13	< 0.13	< 0.17
102E-03	2nd Floor- VA Training Room	445.22	As	0.25	< 0.25	< 0.56
			Cd	0.025	< 0.025	< 0.056
71919405IPA_3			Pb	0.13	< 0.13	< 0.29
102E-04	Field Blank	-	As	0.25	< 0.25	-
			Cd	0.025	< 0.025	-
71919405IPA_4			Pb	0.13	< 0.13	-

Melissa Ferrell

Analyst

(b) (6)

Lab Director

This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by AIHA or any other agency of the U.S. government. Scientific Analytical Institute participates in the AIHA IHPAT program. IHPAT Laboratory ID: 173190. Unless otherwise noted blank sample correction was not performed on analytical results. MDLs are available upon request. Reporting limits stated above.

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

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: 1191905
Client Code:

Contact Information

Company Name: OccuTec
Address: 2604 NE Industrial Drive
Suite 230
North Kansas City, MO 64117
Contact: Jeff Smith
Phone ☐:
Fax ☐:
Email ☒: jsmith@occutec.com
PO Number: 919103
Project Name/Number: GFC-102E

Billing/Invoice Information

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

Turn Around Times

3 Hours	☐	72 Hours	☐
6 Hours	☐	96 Hours	☐
12 Hours	☐	120 Hours	☒
24 Hours	☐	144+ Hours	☐
48 Hours	☐		

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 only

Sample ID #	Description/Location	Volume/Area	Comments
102E-01	1st Floor Lobby - outside # 103	718.68 l	Pb, Ar, Cd only
102E-02	2nd Floor Lobby - outside VA space	781 l	↓
102E-03	2nd Floor - VA Training Room	445.22 l	
102E-04	Field Blank		

Accepted ☐

Rejected ☐

Total Number of Samples 4

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	7-23-19	(b) (6)	7-24 10:30

METALS IN SETTLED DUST RESULTS

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

NIOSH 7300/EPA SW-846 3050B

Client:	**Occu-Tec**	**Attn:**	**Jeff Smith**	**Lab Order ID:**	**71919404**
	2604 NE Industrial Dr Suite 230			**Date Received:**	**07/24/2019**
	North Kansas City, MO 64117			**Date Reported:**	**07/30/2019**
Project:	**GFC-102E**			**Page:**	**1 of 1**

Sample ID *Lab Sample ID*	Description *Lab Notes*	Area (ft^2)	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft^2)
102E-Pbw-01	USDA-back shelf	1	As	0.35	< 0.35	< 0.35
			Cd	0.10	0.39	0.39
71919404IPW_1			Pb	0.25	4.2	4.2
102E-Pbw-02	VA-Elevator Lobby Carpet	1	As	0.35	< 0.35	< 0.35
			Cd	0.10	< 0.10	< 0.10
71919404IPW_2			Pb	0.25	0.53	0.53
102E-Pbw-03	Field Blank	-	As	0.35	< 0.35	-
			Cd	0.10	< 0.10	-
71919404IPW_3			Pb	0.25	< 0.25	-

Melissa Ferrell

Analyst

(b) (6) [redacted]

Lab Director

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

Unless otherwise noted blank sample correction was not performed on analytical results. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. MDLs are available upon request. Time-weighted average (TWA) calculations are based on customer supplied data and valid only for samples included in the specified TWA group. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190.

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: 7191404
Client Code: _____

Contact Information

Company Name:	Occu-Tec
Address:	2604 NE Industrial Drive Suite 230 North Kansas City, MO 64117
Contact:	Jeff Smith
Phone ☐:	
Fax ☐:	
Email ☒:	jsmith@occutec.com
PO Number:	919 103
Project Name/Number:	GFC-102E

Billing/Invoice Information

Company:	
Address:	
Contact:	Joy Hurst
Phone ☐:	
Fax ☐:	
Email ☐:	

Turn Around Times

3 Hours	☐	72 Hours	☐
6 Hours	☐	96 Hours	☐
12 Hours	☐	120 Hours	☒
24 Hours	☐	144+ Hours	☐
48 Hours	☐		

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

Sample ID #	Description/Location	Volume/Area	Comments
102E-PbW-01	USDA - Back Shelf	1 SF	Pb, Ar, Cd only
102E-PbW-02	VA - Elevator Lobby Carpet	1 SF	"
102E-PbW-03	Field Blank	—	"

Accepted ☑

Rejected ☐

Total Number of Samples 3

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	7-23-19	(b) (6)	7-24 10:20