



2604 NE Industrial Drive, Suite 230
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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)



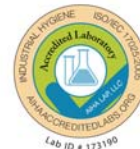
ASBESTOS (PCM) RESULTS





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

Lab Order ID: 71919396

Analysis ID: 1919396_PCM

Date Received: 7/24/2019

Project: GFC- 102E

Date Reported: 7/30/2019

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

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Philip Szabo (2)

(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: 71919396
 Client Code: _____

Company Contact Information	
Company: Occu-Tec	Contact: Jeff Smith
Address: 2604 NE Industrial Drive	Phone <input type="checkbox"/>
Suite 230	Fax <input type="checkbox"/>
North Kansas City, MO 64117	Email <input checked="" type="checkbox"/> : jsmith@occutec.com

Billing/Invoice Information	Turn Around Times	
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"/>

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

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"/>

Sample ID #	Volume/Area	Comments
102E-05	450 L	PCM analysis (Not TEM)
102E-06	—	PCM (Not TEM)
		Accepted <input checked="" type="checkbox"/>
		Rejected <input type="checkbox"/>

Total # of Samples 2

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

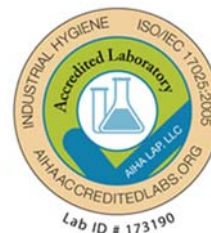
METALS IN AIR RESULTS





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

NIOSH Method 7303



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

Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m ³)
<i>Lab Sample ID</i>	<i>Lab Notes</i>					
102E-01	1 st 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	2 nd 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	2 nd 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

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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
2604 NE Industrial Dr Suite 230
North Kansas City, MO 64117

Attn: Jeff Smith

Lab Order ID: 71919404
Date Received: 07/24/2019
Date Reported: 07/30/2019

Project: GFC-102E

Page: 1 of 1

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

Melissa Ferrell

Analyst

(b) (6)

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.

