

North Kansas City, Missouri 64117 Telephone: 816.231.5580 Fax: 816.231.5641 www.occutec.com

November 11, 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. 110

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 110 on October 14, 2019. The air samples were analyzed for Asbestos, and Lead. Settled dust samples were analyzed for Lead.

Results indicated detectible levels of Lead dust in two of the settled dust samples. All samples collected ranged <2.0 micrograms per square foot ( $\mu g/sf$ ) to 8.8  $\mu g/sf$  for lead.

The samples collected were only indicative of the time of the sample and were not collected as 8-hour Time Weighted Average (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,



Justin Arnold, CIEC Project Manager



(b) (6)

Kevin Heriford Operations Manager (QA/QC)

# ASBESTOS (PCM) RESULTS





Project: GFC 110 OSHA

## Airborne Fiber Analysis

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



Customer: OCCU-TEC Inc. Attn: Kevin Heriford Lab Order ID: 71926498

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

Analysis ID: 1926498\_PCM

**Date Received:** 10/15/2019

**Date Reported:** 10/15/2019

Sample ID	Description	Volume	Fibers	Filter	LOD	Conc.
Lab Sample ID	Lab Notes	Filter Area	Fields	(Fibers / mm <sup>2</sup> )	(Fibers / cc)	( Fibers / cc )
110-ASB-003	2nd Floor @ L12-L13	412 L	< 5.5	< 7.0	0.0065	< 0.0065
71926498PCM_1		385 mm 2	100	< 7.0	0.0065	<b>~ 0.0005</b>
110-ASB-005	1st Floor @ 89	402 L	< 5.5	· 7.0	0.0067	< 0.00 <i>C</i> 7
71926498PCM_2		385 mm 2	100	< 7.0	0.0067	< 0.0067

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. Analytical uncertainty available upon request. (Laboratory precision: Sr: 0.45

Sharon Donald (2)

Approved Signatory

(b) (6)



#### 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: Client Code:	9210498

Company Contact Information			Asbestos Test Typ	es
Company: OCCU-TEC, Inc	Contact: Key	Nesi Ford	PLM EPA 600/R-93/116 (PLM)	
Address: 2604 NE Industrial \$30		-825-0628	Positive stop	
North Kansas City, MO (04117		994-3466	PLM Point Count 400 (PT4)	
		Ford Cocarde	PLM Point Count 1000 (PTM)	
			PCM NIOSH 7400-A Rules (PCM)	M
Billing/Invoice Information	Turn Aro	und Times	B Rules (PCB) TWA (PTA	A) 🔲
Company: Same	90 Min.	48 Hours	TEM AHERA (AHE)	
Contact: Ap Coccutec. com	3 Hours	72 Hours	TEM Level II (LII)	
Address:	6 Hours	96 Hours	TEM NIOSH 7402 (TNI)	
	12 Hours	120 Hours 🔲	TEM Bulk Qualitative (TBL)	
	24 Hours	144 <sup>+</sup> Hours	TEM Bulk Chatfield (TBS)	
	2 Stand	erd	TEM Bulk Quantitative (TBQ)	
PO Number: 419103			TEM Wipe ASTM D6480-05	
Project Name/Number: GFC 110	OSHA		TEM Microvac ASTM D5755-02	
	<u></u>		TEM Water EPA 100.2 (TW1)	
			Other:	

Sample ID #	Volume/Area	Comments
110-458-003 2 Floor C L12-613	412 L	
110-ASB-003 2 Floor @ L12-L13 110-ASB-005 1° Floor @ 89	402 2	
	4 .	
	A	ccepted
	Re	ejected

Total # of Samples

Re	linguished by	Date/Time		Received by	Date/Time
(b) (6)		16-14-19 1600	(b) (6)	10115	10 <sup>30</sup> A

## LEAD IN AIR RESULTS





**Project:** 

### Analysis for Airborne **Lead Concentration**



71926490 PBA

**Analysis ID:** 

by Flame Atomic Absorption Spectroscopy **NIOSH 7082** 

Customer: OCCU-TEC Inc. Attn: Kevin Heriford **Lab Order ID:** 71926490

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

**Date Received:** 10/15/2019 **Date Reported:** 10/15/2019 GFC-Build 110-OSHA

Sample ID	Description  Lab Notes	Volume (m³)	Concentration (μg)	Concentration (μg/m³)
Euo Sumpte 1D	Luo ivotes	( <i>m</i> )	(μg)	(μg/m )
110-Pb-01	M14-M15 2nd Floor	0.438	< 0.80	< 1.8
71926490PBA_1		00	0.00	100
110-Pb-02	H11 2nd Floor	0.432	< 0.80	< 1.9
71926490PBA_2		01.02	0.00	200
110-Pb-04	E11 1st Floor	0.442	< 0.80	< 1.8
71926490PBA_3				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 10ml sample is 0.80µg Total Pb).

Melissa Ferrell (3)



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: 7192	6490
Client Code:	

<b>Contact Informa</b>	ition	Billing/Invoice Information
Company Name:	cu-TEC. Inc	Company: Some
	NE Industrial Dr Suite 230	Address:
North Kansas	A 1	
	- //-	Contact: ApC occurred.com
Contact: Kenin	Heriford	Phone :
	825-0628	Fax □:
	994-3466	Email :
	Ford @ occutec.com	
PO Number: 9191		Turn Around Times
	GFC - Build 110-OSHA	3 Hours 72 Hours
-	0:0000000000000000000000000000000000000	6 Hours
Lead Test Types		12 Hours   120 Hours
Paint Chips by Flame AA [		24 Hours   144+ Hours
(PBP) Wipe by Flame AA (PBW)	Air by Flame AA (PBA)	48 Hours - Standard
Sample ID #	Description/Location	Volume/Area Comments
10-76-01	M14-M15 2nd Floor	438 L
10-86-02	HII 2nd Floor	432 4
10-26-04	Ell 1st Floor	442 L
110-W-06	Ell Conference Por table	1 SF
110-W-07	K13 1st Fl Light Fixture	2" × 24'
110-W-08	P12 1st Fl Window Ledge	L I SF
110-W-09	LII 2nd Partition	1 SF
110-W-10	Elle 1st Top of Refigurator	1 5F
		Accepted 🗸
		Rejected
		Total Number of Samples
Relinquished by	Date/Time Received	
	10/14/19 1600 (b) (6)	10/15 10:30

# LEAD IN SETTLED DUST RESULTS





#### Analysis for Lead Concentration in Wipe Samples



by Flame Atomic Absorption Spectroscopy EPA SW-846 3050B/6010C/7000B

Customer: OCCU-TEC Inc. Attn: Kevin Heriford **Lab Order ID:** 71926492

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

**Analysis ID:** 71926492\_PBW **Date Received:** 10/15/2019 **Date Reported:** 10/15/2019

GFC-Build 110-OSHA **Project:** 

Sample ID  Lab Sample ID	Description  Lab Notes	Area (ft²)	Concentration (μg)	Concentration (µg/ft²)
110-W-06 71926492PBW_1	E11 Conference Rm Table	1	< 2.0	< 2.0
110-W-07 71926492PBW_2	K13 1st Fl Light Fixture	0.333	2.9	8.8
110-W-08 71926492PBW_3	P12 1st Fl Window Ledge	1	< 2.0	< 2.0
110-W-09 71926492PBW_4	L11 2nd Partition	1	< 2.0	< 2.0
110-W-10 71926492PBW_5	E16 1st Top of Refigerator	1	2.2	2.2

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Melissa Ferrell (5)

(b) (6)



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:	719	6492
Client Code: _		

Contact Information	Billing/Invo	ice Informa	ion
company Name: Occu-TEC, Inc	A CONTRACTOR OF THE CONTRACTOR	one	or belland one
adress: 2604 NE Industrial Dr Sute 230	Address:		
Worth Kansas City, MO 64117			
10 mm sas = 11 g , 10 mm s	Contact: A.C	2 occube	COM
ontact: Kevin Heriford	Phone :	- Occus C	1.00
hone : \$16 - 825 - 06 28	Fax :	-	
ax []: 816 - 994 - 3466	Email :		
mail : Kheriford @ occutec. com			
0 Number: 919103	Turn Aroun	d Times	
roject Name/Number: GFC - Build 110-OSHA	3 Hours	☐ 72 Hour	s
GIL-BUILD HO USAN	6 Hours	□ 96 Hour	
ead Test Types	12 Hours	☐ 120 Hou	
aint Chips by Flame AA Soil by Flame AA Cher	24 Hours	☐ 144+ Ho	
PBP) (PBS)  Vipe by Flame AA  Air by Flame AA			
(PBA)	48 Hours	- (Star	dard)
Sample ID # Description/Location	Volume/Area	Com	Tents .
	438 L		
10-P6-01 M14-M15 2nd Floor	432 1		
0-76-04 EII 1st Floor	442 L		
10-W-06 Ell Conference Bon talde	SF	manage of school physics such as House	The Trainmental agency of the Constitution of
0-W-07 K13 1st Fl Light Fixture	2" × 24'		
46 . 10 1	1 SF		
10-W-08 P12 1st F1 Window Ledge	1 51		11
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition			
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF	A	
10-W-09 LII 2nd Partition	1 SF	Accept	ed V
10-W-09 LII 2nd Partition	1 SF		
10-W-09 LII 2nd Partition	1 SF	Accept	
10-W-09 LII 2nd Partition	1 SF 1 SF	Rejecto	0
10-W-09 LII 2nd Partition	1 SF 1 SF		0
10-W-09 LII 2nd Partition	I SF / SF  Total Num	Rejectors ber of Sample	0