

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

August 30, 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. 103D

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 103D on July 29, 2019. The air samples were analyzed for asbestos, Arsenic, Cadmium, and Lead. Settled dust samples were analyzed for Arsenic, Cadmium, and Lead.

Results indicated detectible levels of Arsenic, Cadmium, and Lead dust in one of the settled dust samples. Sample 103D-MetW-01 from a file cabinet in the nurse's office contained 0.68 micrograms per square foot (μ g/sf) of Arsenic, 0.059 μ g/sf of Cadmium, and 0.38 μ g/sf of Lead. 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 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,





ASBESTOS (PCM) RESULTS





Airborne Fiber Analysis

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



Customer: OCCU-TEC Inc. Attn: Justin Arnold Lab Order ID: 71919997

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

Analysis ID: 1919997_PCM

Date Received: 7/30/2019

Project: 919103 - Building 103D-GFC

Date Reported: 8/3/2019

Sample ID Lab Sample ID	Description Lab Notes	Volume Filter Area	Fibers Fields	Filter (Fibers / mm²)	LOD (Fibers / cc)	Conc. (Fibers / cc)
103D-AA-01	1st Floor Nurse Station - Waiting Room	627 L	< 5.5	< 7.0	0.0042	< 0.0042
71919997PCM_1		385 mm 2	100	< 7.0	0.0043	< 0.0043
103D-AA-02	Blank	0 L	< 5.5	£7.0	3 .T/A	DT/A
71919997PCM_2		385 mm 2	100	< 7.0	N/A	N/A
103D-AA-03	Blank	0 L	< 5.5	17.0	3. 1/A	NT/ A
71919997PCM_3		385 mm 2	100	< 7.0	N/A	N/A

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 (3)

(b) (6)

Approved Signatory



Scientific Analytical Institute 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313

Lah	Use Only	
Lab	Use Only Order ID: 71919997	
	ent Code:	

	www.sailab.c	com la	ab@sail	ab.com			
Company Cont	tact Information			200] [Asbestos Test	Types
Company: OCCU	TEC	Contac	t: Justi	Amold		PLM EPA 600/R-93/116 (P	LM)
Address:				810.3274		Positive stop	
2404 NE Indust	rial Drive Snite 23					PLM Point Count 400 (PT4)	
Jorth Karsus Cil			B: word	Wacutec.com		PLM Point Count 1000 (PT)	M)
	/ /					PCM NIOSH 7400-A Rules (I	PCM)
Billing/Invoice	Information	Tu	rn Aro	und Times		B Rules (PCB) TW.	A (PTA)
Company: Same		90 Min	. 🗆	48 Hours		TEM AHERA (AHE)	
Contact:		3 Hour	s 🔲	72 Hours 🔲 🕽	W.	TEM Level II (LII)	
Address:		6 Hours	s 🗆	96 Hours 🗆 🧷	7	TEM NIOSH 7402 (TNI)	
		12 Hou	rs 🗌	120 Hours 🗸 🙏	3	TEM Bulk Qualitative (TBL) [
		24 Hou	rs 🗌	144 ⁺ Hours	7	TEM Bulk Chatfield (TBS)	
						TEM Bulk Quantitative (TB	Q) [
PO Number:						TEM Wipe ASTM D6480-0	5
Project Name/Nu	mber: 919103 -	Bilding	1030	- GEC		TEM Microvac ASTM D575	5-02
	11100	Darising	1000			TEM Water EPA 100.2 (TW	(1)
Sample ID #				Volume	Ar	ea Commen	its
03D-10-01	1st Floor Nurse	Station- h	hiting &	200m 627	1		
03D-AA -02	BLANK)				
03D-AA-03	BLANK						
	64						
						Total # of Samples	3
Relinqui	ished by	Date/Time		Received	by		e/Time
0) (6)		7-29-19	(b) (6)		/		102
			_	cepted			
				jected _	1	Page /	of _/

METALS IN AIR RESULTS





Project:

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



NIOSH Method 7303

OCCU-TEC Inc. Client:

2604 NE Industrial Drive, 230

North Kansas City, MO 64117 919103 - Building 103D - GFC Attn: **Justin Arnold**

Lab Order ID: **Date Received:** 71919909

Date Reported:

07/30/2019 08/06/2019

Page: 1 of 1

Sample ID	Description Lab Notes	Volume (L)	Element	Reporting Limit	Concentration (µg)	Concentration (μg/m³)
Lab Sample ID	Lab Notes	(=)		(μg)	(178)	(1,8,)
103D-MctA-01	1st Floor Nurse Area –		As	0.25	< 0.25	< 0.40
103D-MC(A-01	Waiting Room		Cd	0.025	< 0.025	< 0.040
71919909IPA_ 1		629.5	Pb	0.13	< 0.13	< 0.21
1007 15 14 00	D1 1		As	0.25	< 0.25	-
103D-MctA-02	Blank	-	Cd	0.025	< 0.025	-
71919909IPA_2			Pb	0.13	< 0.13	-

(b) (6) Melissa Ferrell Lab Director Analyst

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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 71919909 Lab Order ID: 71919909
Lab Order ID:
Client Code:

Company Cont	act Informatio	n			A	sbestos	Test Typ	es
	-TEC		ustin Arn	old	PLM I	EPA 600/R-93	3/116 (PLM)	
Address:			816-810		Positiv	ve stop		
2404 NE Indus	tral Oive Snite		,	1	PLM I	Point Count 4	00 (PT4)	
	ity, MO 64117	Email 🔯:	ramold@	occutec.com	PLM I	Point Count 1	000 (PTM)	
v ^e	1/				PCM N	NIOSH 7400-A	Rules (PCM)	
Billing/Invoice	Information	Turn	Around	Times	B Ru	les (PCB)	TWA (PTA	A) 🔲
Company: Same		90 Min.	☐ 48 I	Hours	TEM A	AHERA (AH	E)	
Contact:		3 Hours	☐ 72 I	Hours	TEM I	Level II (LII)		
Address:		6 Hours	☐ 96 I	Hours 🔲	TEM 1	NIOSH 7402	(TNI)	
		12 Hours	120	Hours 🔀	TEM I	Bulk Qualitati	ve (TBL)	
		24 Hours	□ 144	[†] Hours	TEM I	Bulk Chatfield	i (TBS)	
					TEM I	Bulk Quantita	tive (TBQ)	
PO Number:					TEM Y	Wipe ASTM I	D6480-05	
Project Name/Nu	mber: 919103	- Building 103	BD - 61	FC	TEM N	Microvac AST	M D5755-02	
		5			TEM V	Water EPA 10	00.2 (TW1)	
					Other:	NOSH 7	303	区
Sample ID #				Volume/A	rea	Co	mments	
	150 (1 1)	0 (/.1:	0 .		_	Co	DI.	
1030-MCIA-01		e Aren - Waiting	Koon	629.5 I	- !	As, Col,	01	-
163D-MctA-02	BLANK			1017	F	is, ca,	15	
					-			
				Acc	epi	ed		
				Reid	cte	d		
				*		- Chapter - Chap		
						Total # of S	amples Z	
	ished by	Date/Time	1	Received b	Dy ,		Date/Ti	me
(b) (6)		7-29-19	(b) (6)		7/3(7 10	:30)	

METALS IN SETTLED DUST RESULTS





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



07/30/2019

Date Received:

NIOSH 7300/EPA SW-846 3050B

Client: 71919999 **OCCU-TEC Inc. Justin Arnold** Lab Order ID: Attn:

> 2604 NE Industrial Drive, #230 North Kansas City, MO 64117

Date Reported: 08/06/2019 919103-Building 103D-GFC **Project:** Page: 1 of 1

Sample ID	Description	Area		Reporting	Concentration	Concentration
Lab Sample ID	Lab Notes	(ft ²)	*Element	Limit (µg)	(µg)	(μg/ft ²)
103D-MctW-01	Nurse office file		As	0.50	0.68	0.68
103D-Mctw-01	cabinet – 1st floor	1	Cd	0.050	0.059	0.059
71919999IPW_1			Pb	0.25	0.38	0.38
102D M-4W 02	2 nd Floor column		As	0.50	0.52	0.52
103D-MctW-02	P32 – windowsill	1	Cd	0.050	< 0.050	< 0.050
71919999IPW_2			Pb	0.25	< 0.25	< 0.25
102D M. W. 02	D11-		As	0.50	< 0.50	-
103D-MctW-03	Blank	-	Cd	0.050	< 0.050	-
71919999IPW_3			Pb	0.25	< 0.25	-

Melissa Ferrell	(b) (6)
Analyst	Lab Director

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 SAL 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.

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



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

5.292.3313 Client Code:

Lab Use Only
Lab Order ID: 70000

Company Con	tact Information					F	Asbestos To	est Typ	es
Company: OCCU		Contact:	Justin	Anald		PLM	EPA 600/R-93/1	16 (PLM)	
Address:		Phone 🛚			74	Posi	tive stop		
ZUDY NE Ind	ustrial Ofice Suite 231	-				PLM	Point Count 400	(PT4)	
Worth Kansas (: larne	d Bocci	atec.com	PLM	Point Count 1000	0 (PTM)	
	//					PCM	NIOSH 7400-A R	ules (PCM)	
Billing/Invoice	Information	Turi	n Aro	und T	imes	BF	tules (PCB)	TWA (PT	A) 🔲
Company: Same		90 Min.		48 Hou	ırs 🔲	TEM	AHERA (AHE)		
Contact:		3 Hours		72 Hou	ırs 🔲	TEM	Level II (LII)		
Address:		6 Hours		96 Hou	ırs 🔲	TEM	I NIOSH 7402 (T)	NI)	
		12 Hours		120 Ho	urs 🔽	TEM	Bulk Qualitative	(TBL)	
		24 Hours		144 ⁺ Ho	ours 🗌	TEM	Bulk Chatfield (TBS)	
						TEM	Bulk Quantitative	e (TBQ)	
PO Number:	Mary Mary Mary Mary Mary Mary Mary Mary					TEM	Wipe ASTM D6	480-05	
Project Name/Nu	mber: 919103 - Buil	1:05/) - 1	EC		TEM	Microvac ASTM	D5755-02	
	THE TANK	100:				TEM	Water EPA 100.2	2 (TW1)	
						-		2	-
						Othe	r: NIOSH 73	300	B
Carralla VD #					Yalum o/A				LX
			SECI		Volume/A			ments	
03D-Metw-01	Muse Office File	Cabinet:	-jst Cla	xor	ISF				
03D-MeHW-01	Nurse Office File 2nd floor Column F	Cabinet:	-j5+Cle	or :ll	15f 18f				
030-MeHW-01 030-MeHW-02	Nurse Office File 2nd floor Column P BLANK	Cabinet :	-jst Cle	>or :11	ISF				
03D-MeHW-01 03D-MeHW-02		Cabinet :	-j st Cla	>or :l	15f 18f				108
03D-MeHW-01		Cabinet 32 - Wind	-jstClows	>or :11	15f 18f	rea	Com As, Cd, As, Cd, As, Cd,		DS
03D-MeHW-01 03D-MeHW-02		Cabinet 32 - Wind	-j st Cla	>>C :[]	15f 18f	rea			
03D-MeHW-01 03D-MeHW-02		Cabinet :	ow S	>or :11	15f 18f	rea	Com As, Cd, As, Cd, As, Cd,		
03D-MeHW-01 03D-MeHW-02		Cabinet 32 - Wind	-15+Cle	>or :11	15f 18f	rea	Com As, Cd, As, Cd, As, Cd,		7
Sample ID # 030-McHW-01 030-McHW-02 030-McHW-03	BLANK		-15+Cle		ISF ISF NA	AC R	Com As, Cd, As, Cd, As, Cd,	ments P3 P3 P4 T	7
03D-MeHW-01 03D-MeHW-02 03D-MeHW-03	ished by D	Cabinet 32 - Wind	-j ⁵⁺ Cla		15f 18f	AC R	Com As, Cd, As, Cd, As, Cd,	ments PS PS	7