

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 – Gate 5 Guard Shack

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 the Gate 5 Guard Shack on October 3, 2019. The air samples were analyzed for Asbestos. The settled dust samples were collected 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 IN AIR RESULTS





Airborne Fiber Analysis

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



Customer: OCCU-TEC Inc. Attn: Jeff Smith Lab Order ID: 71926060

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

Analysis ID: 1926060_PCM

Date Received: 10/8/2019

Project: 919103.001 GFC OSHA Gate 5 **Date Reported:** 10/14/2019

Sample ID Lab Sample ID	Description Lab Notes	Volume Filter Area	Fibers Fields	Filter (Fibers / mm²)	LOD (Fibers / cc)	Conc. (Fibers / cc)
Gate5-Asb-01	Gate 5 - Guard Shack	542 L	< 5.5	.70	0.0050	. 0.00.70
71926060PCM_1		385 mm 2	100	< 7.0	0.0050	< 0.0050
Gate5-Asb-02	Field Blank	0 L	< 5.5	< 7.0	N T/A	NT/A
71926060PCM_2		385 mm 2	100	< 7.0	N/A	N/A
Gate5-Asb-03	Field Blank	0 L	< 5.5	< 7.0	N T/A	NT/A
71926060PCM_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

Philip Szabo (3)

(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: 192000 Client Code:
Chefit Code:

Company Cont	tact Information				Asbestos Test Typ	es	
Company: OCCU-TEC	Inc.	Contact:	Contact: Jose Smith		PLM EPA 600/R-93/116 (PLM)		
Address: 2604 N	NE Industrial Drive Suite, 230	Phone :		Pos	Positive stop		
North Ka	nsas City, MO 64117	Fax :	Fax :		PLM Point Count 400 (PT4)		
		Email : ISA	nthooguta 1	PL	M Point Count 1000 (PTM)		
					M NIOSH 7400-A Rules (PCM)	X	
Billing/Invoice	Information	Turn Ar	ound Times	В	Rules (PCB) TWA (PTA	A) 🗌	
Company: Same		90 Min.	48 Hours	TE	M AHERA (AHE)		
Contact:		3 Hours	72 Hours	TE	TEM Level II (LII)		
Address:		6 Hours	96 Hours	TE	TEM NIOSH 7402 (TNI)		
		12 Hours	120 Hours	TE	M Bulk Qualitative (TBL)		
		24 Hours	144 ⁺ Hours	TE	M Bulk Chatfield (TBS)		
				TE	M Bulk Quantitative (TBQ)		
PO Number:				TE	M Wipe ASTM D6480-05		
Project Name/Nu	mber: 919103.001 GFC OSH	A Gate S		TEN	TEM Microvac ASTM D5755-02		
				TE	M Water EPA 100.2 (TW1)		
				Oth	ier:		
Sample ID #	Description	on/Location		e/Area	Comments		
		on/Location and Shack	Volum 547	-	Comments		
				-	Comments		
SateS-Asb-01	Gate 5 - Gu			-	Comments		
SateS-Asb-01	Gate 5-Gua Field (ard Shack		-	Comments		
SateS-Asb-01	Gate 5 - Gu	ard Shack		-	Comments		
SateS-Asb-01	Gate 5-Gua Field (ard Shack		2 J -			
SateS-Asb-01	Gate 5-Gua Field (ard Shack		2 J -	Comments	1	
Sample ID# Sate S-Asb-01 Gate S-Asb-02 Gate S-Asb-03	Gate 5-Gua Field (ard Shack		2	ccepted [1	
SateS-Asb-01	Gate 5-Gua Field (ard Shack		2		1	
SateS-Asb-01	Gate 5-Gua Field (ard Shack		2	ccepted [
SateS-Asb-01	Gate 5-Gua Field (ard Shack		2	ccepted [
SateS-Asb-01	Gate 5-Gua Field (ard Shack		2	ccepted [
Sate S-Asb-01 Gate S-Asb-02 Gate S-Asb-03	Gate S-Gua Field (Field /	ard Shack		A	elected]] me	
Sate S-Asb-01 Gate S-Asb-02 Gate S-Asb-03	Gate 5 - Gua Field (Field /	Date/Time	S47	A	ccepted elected Total # of Samples	me	
Gate S-Asb-01 Gate S-Asb-02 Gate S-Asb-03 Relingu	Gate 5 - Gua Field (Field /	ard Shack Black Black	S47	A	cepted elected Total # of Samples Date/Ti] me	
Sate S-Asb-01 Sate S-Asb-02 Gate S-Asb-03 Relingu	Gate 5 - Gua Field (Field /	Date/Time	S47	A	cepted elected Total # of Samples Date/Ti] me	

METALS IN SETTLED DUST RESULTS





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



10/08/2019

Date Received:

NIOSH 7300/EPA SW-846 3050B

Client: OCCU-TEC Inc. Attn: Justin Arnold Lab Order ID: 71926061

2604 NE Industrial Drive, Suite 230

North Kansas City, MO 64117 Date Reported: 10/11/2019
Project: 919103 – Gate 5 Guard Shack Page: 1 of 1

Sample ID Lab Sample ID	Description Lab Notes	Area (ft²)	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft²)
	Floor – NW –		As	0.50	< 0.50	< 0.50
Gate5-PbW-01	Corner	1	Cd	0.10	< 0.10	< 0.10
71926061IPW_1			Pb	0.50	< 0.50	< 0.50
Gate5-PbW-02	Field Blank		As	0.50	< 0.50	-
		-	Cd	0.10	< 0.10	-
71926061IPW_2		1	Pb	0.50	< 0.50	-

Melissa Ferrell

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 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.

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



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

	1//////
Lab Use Only Lab Order ID:	14/10/101
Client Code:	

Company Cont	act Information	1000		Industrial Hygiene Tea	st Types
Company: Occu-	ec	Contact: Justin Amold		Silica as Alpha Quartz*	
Address: 2604 W	E Industrial Drive	Phone :		Silica as Cristobalite*	
, # 23		Fax □:		Silica as Tridymite*	
North Kansa	s City, MO 64117	Email Sigarnold Doccutec com		Silica as Alpha Quartz, Cristobalite, Tridymite*	
	1//	- 5		Include Respirable Dust	
Billing/Invoice	Information	Turn Aro	und Times	Silica Bulk*	
SAME		90 Min.	48 Hours	Bulk Phase ID/Whole Rock SAI Method H-SOP-003	
Company:		3 Hours	72 Hours	Total Dust NIOSH Method 0500	
Contact:		6 Hours	96 Hours	Respirable Dust NIOSH Method 0600	
Address:		12 Hours 🔲	120 Hours	PCM NIOSH 7400 (Fibers)	
		24 Hours	144⁺Hours □	TEM NIOSH 7402 (Asbestos)	
		TATs not available	e for certain test types	Hexavalent Chromium (OSHA ID-2 (Note if from spray paint operations	
PO Number:				Metals (NIOSH 7300) (Specify Metals Under Comments)	
Project Name/Nu	mber: 919103 - G	ate S Gue	and Shack	Other As, Cd, Ph	N/
				*Modified NIOSH 7500/	OSHA IĎ 142
Sample ID #	Description/L	ocation	Volume/A	rea Comments (List Metals Here)	
Gates-PbW-01	Floor -NW- (ciner	1 SF	As, Cd, Pa	6
GateS-PbW-02	Field Blank			V	
				/	
			Acce	epted /	
			Daia	4 1 []	
			Reje	cted	
					7
				Total # of Sample	s C
Relinqu	ished by Date	e/Time	A Received l	by, Date	e/Time
(b) (6)	10-7-19	(b) (6	10	18 10:30A	
			, 4/	,	/
				Page /	of /