

North Kansas City, Missouri 64117 Telephone: 816.231.5580 Fax: 816.231.5641

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. 105

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 105 on August 23, 2019, September 5, 2019 and October 7, 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/or Lead dust in eleven (11) of the settled dust samples. The heavy metal samples collected ranged from <0.50 micrograms per square foot (μ g/sf) to 1.90 μ g/sf for Arsenic, <0.1 μ g/sf to 54.0 μ g/sf for Cadmium, and <1.5 μ g/sf to 12.0 μ g/sf for Lead. Sample number 105-W-24 had the highest result. This sample was collected from a piece of equipment that was only accessible by step ladder and has not been subjected to regular cleaning. All asbestos air samples were found to be <0.0035 Fibers per cubic centimeter (F/cc).

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.





Justin Arnold, CIEC 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. Attn: Kevin Heriford Lab Order ID: 71922295

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

Analysis ID: 1922295_PCM

Date Received: 8/26/2019

Project: 919103.001 GFC OSHA **Date Reported:** 8/30/2019

Sample ID Lab Sample ID	Description Lab Notes	Volume Filter Area	Fibers Fields	Filter (Fibers / mm²)	LOD (Fibers / cc)	Conc. (Fibers / cc)
105-2	1st @ D37	906.3 L	< 5.5	< 7.0	0.0030	< 0.0030
71922295PCM_1		385 mm 2	100	< 7.0	0.0030	< 0.0030
105-5	1st @ D15	772.35 L	< 5.5	< 7.0	0.0025	< 0.0025
71922295PCM_2		385 mm 2	100	< 7.0	0.0035	< 0.0035
105-BL-2	Blank	0 L	< 5.5	.70	N T/A	N T/A
71922295PCM_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



Company Contact Information

Relinquished by

(b) (6)

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

Lab Use Only / Lab Order ID:	1933395
Client Code:	

Asbestos Test Types

Company: OCCU-TEC Inc.		Contact: Kevin Heriford		PLM EP	A 600/R-93/116 (PLM)	
Address: 2	604 NE Industrial Drive Suite 230	Phone : 816-82	25-0628	Positive	stop	
Nort	th Kansas City, MO 64117	Fax : 816-994-	3470	PLM Po	int Count 400 (PT4)	
		Email : kherif	ord@occutec.com	PLM Po	int Count 1000 (PTM)	
				PCM NIC	OSH 7400-A Rules (PCM)	
Billing/Invo	ice Information	Turn Arc	ound Times	B Rule:	s (PCB) TWA (PTA	A) 🔲
Company: Same		90 Min.	48 Hours	TEM AF	HERA (AHE)	
Contact:		3 Hours	72 Hours	TEM Le	vel II (LII)	
Address:		6 Hours	96 Hours	TEM NI	OSH 7402 (TNI)	
		12 Hours	120 Hours	TEM Bu	lk Qualitative (TBL)	
		24 Hours	144 ⁺ Hours	TEM Bu	lk Chatfield (TBS)	
				TEM Bu	ılk Quantitative (TBQ)	
PO Number:				TEM W	ipe ASTM D6480-05	
Project Name	/Number: 919103.001 GFC OSHA			TEM Microvac ASTM D5755-02		
				TEM W	ater EPA 100.2 (TW1)	
				Other:		
						tion
Sample ID #	Description	n/Location	Volume/A	Area	Comments	
105-2	1 St @ 037		906.3	4		
105-5	154 @ D15		772.3			
105-BL- 6	R/L		NIA			
102 0- 0	O Takar		10711			
		-				
					N -	
					10	
				oteo	+	
			ACCO	7	1	
			Acce	-600		
			gele	C	3	
			R 4 2 3	To	otal # of Samples	

Date/Time

7-23 1600

Date/Time

| Received by

(b) (6)

Airborne Fiber Analysis

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



Customer: OCCU-TEC Inc. Attn: Justin Arnold Lab Order ID: 71923420

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

Analysis ID: 1923420_PCM

Date Received: 9/9/2019

Project: 919103.001 GFC OSHA **Date Reported:** 9/12/2019

Sample ID	Description	Volume	Fibers	Filter	LOD	Conc.
Lab Sample ID	Lab Notes	Filter Area	Fields	(Fibers / mm ²)	(Fibers / cc)	(Fibers / cc)
105-AA-01	1st Floor Warehouse Column D 49 top of Cabinet	795.15 L	< 5.5	< 7.0	0.0034	< 0.0034
71923420PCM_1		385 mm 2	100	< 7.0	0.0034	\ 0.005 1
105-AA-02	Room 320 2nd Floor Column C 44 Top of Air Cleaner Cabinet	778.05 L	< 5.5	< 7.0	0.0035	< 0.0035
71923420PCM_2		385 mm 2	100	< 7.0	0.0033	< 0.005 5
105-AA-03	Room 347 2nd Floor Column G 48 Top of Cabinet	780.9 L	< 5.5	< 7.0	0.0035	< 0.0035
71923420PCM_3		385 mm 2	100	< 7.0	0.0033	< 0.0033
105-AA-04	Blank	0 L	< 5.5		N T/A	NT/A
71923420PCM_4	-	385 mm 2	100	< 7.0	N/A	N/A
105-AA-05	Blank	0 L	< 5.5	< 7.0	N T/A	DI/A
71923420PCM_5	-	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 (5)

Analysi

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

<i>Lab</i> Lab	Order ID: 1923420
Clien	t Code:

of _____ A-F-017 EXP: 2/4/2021

Page _

	ntact Information				A	sbestos T	est Typ	es
Company: OCCU-T	EC Inc.	Contact: Justin	Contact: Justin Arnold		PLM	EPA 600/R-93/1	16 (PLM)	
Address: 260	4 NE Industrial Drive Suite, 230	Phone : 816-810-3276			Positiv	e stop		1
North 1	Kansas City, MO 64117	Fax : 816-994-3478			PLM	Point Count 400	(PT4)	
		Email : jarn	old@occute	c.com	PLM	Point Count 1000	(PTM)	
					РСМ	NOSH 7400-A R	ules (PCM)	×
Billing/Invoice Information		Turn A	round T	imes	BRu	les (PCB)	TWA (PTA	4) 🔲
Company: Same		90 Min.	48 Ho	urs 🔲	TEM	AHERA (AHE)		
Contact:		3 Hours	72 Ho	urs 🔲	TEM	Level II (LII)		
Address:		6 Hours	96 Ho	urs 🔲	TEM	TIOSH 7402 (TI	NI)	
		12 Hours	120 H	ours 🔳	TEM	ulk Qualitative	(TBL)	
		24 Hours	144 ⁺ H	ours 🗌	TEM	ulk Chatfield (TBS)	
					TEMI	ulk Quantitativ	e (TBQ)	
PO Number:					TEM	Vipe ASTM D6	480-05	
Project Name/N	Number: 919103.001 GFC OSHA			1	TEM Microvac ASTM D5755-02			
				1	TEM	Vater EPA 100.2	2 (TW1)	
								_
					Other:			
	Description			Volume/	Area		ments	
Sample ID # 105-AA-01	Description 1st Floor Warehouse Col		inet	Volume / 795.1:	Area	Com	ments	
		umn D 49 top of Cab			Area		ments	
105-AA-01	1st Floor Warehouse Col	umn D 49 top of Cab 44 Top of Air Clean	er Cabinet	795.1	Area	Com	ments	
105-AA-01 105-AA-02	1st Floor Warehouse Col Room 320 2nd Floor Column C	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab	er Cabinet	795.11 778.01	Area	Com	ments	
105-AA-02 105-AA-03	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com	ments	
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com	ments	
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com	ments	
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com		
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com	ments	
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com		
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com		
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Acce	Com		
105-AA-01 105-AA-02 105-AA-03 105-AA-04	1st Floor Warehouse Col Room 320 2nd Floor Column C Room 347 2nd Floor Column Bla Bla	umn D 49 top of Cab 44 Top of Air Clean umn G 48 Top of Cab nk	er Cabinet	795.1: 778.0: 780.9 NA	Area	Com Died Total # of Sam		

METALS IN AIR RESULTS







NIOSH Method 7303

Client: OCCU-TEC Inc.

2604 NE Industrial Drive, Ste 230

North Kansas City, MO 64117

Project: 919103.001 GFC OSHA

Attn: Kevin Heriford

Lab Or

Lab Order ID: Date Received: 71922309 08/26/2019

Date Reported:

08/26/2019 09/03/2019

Page: 1 of 1

Sample ID	Description	Volume	Element	Reporting Limit	Concentration	Concentration	
Lab Sample ID	Lab Notes	(L)		Lillit (μg)	(μg)	$(\mu g/m^3)$	
105-1	1st El 🕝 C40		As	0.25	< 0.25	< 0.28	
103-1	1st Fl @ C40	880.65	Cd	0.075	< 0.075	< 0.085	
71922309IPA_1			Pb	0.75	< 0.75	< 0.85	
105.2	1st El 🕢 D20		As	0.25	< 0.25	< 0.27	
105-3	1 st Fl @ D30	934.8	Cd	0.075	< 0.075	< 0.080	
71922309IPA_2			Pb	0.75	< 0.75	< 0.80	
105.4	1st E1 🕢 E12		As	0.25	< 0.25	< 0.32	
105-4	1 st Fl @ E13	778.05	Cd	0.075	< 0.075	< 0.096	
71922309IPA_3		7	Pb	0.75	< 0.75	< 0.96	
105.6	1et F1 () C11		As	0.25	< 0.25	< 0.034	
105-6	1 st Fl @ C11	732.45	Cd	0.075	< 0.075	< 0.10	
71922309IPA_4			Pb	0.75	< 0.75	< 1.0	
105.7	1 et F1 (2) 112		As	0.25	< 0.25	< 0.32	
105-7	1 st F1 @ H2	778.05	Cd	0.075	< 0.075	< 0.096	
71922309IPA_5			Pb	0.75	< 0.75	< 0.96	
105 Dt 1	DI. I		As	0.25	< 0.25	-	
105-BL-1	Blank	-	Cd	0.075	< 0.075	-	
71922309IPA_6			Pb	0.75	< 0.75	-	

Melissa Ferrell

Analyst

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

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:	1929316
Client Code:	

As, Cd, Pb

Company Con	tact Inform	nation			Indu	strial Hygiene Test Ty	pes
Company: OCCU	-TEC Inc.	Contact: Kevin	Heriford	Silica as	Alpha Quartz (XSZ)* With Respirable Dust (XDZ	z) []	
Address: 2604 NE Industrial Drive, Suite 230 North Kansas City, MO 64117			Phone □: 816-	825-0628	Silica as	Cristobalite (XSC)* With Respirable Dust (XD	
			Fax □: 816-9	94-3470	Silica as	Tridymite (XST)*	
			Email : Kherifo	rd@occutec.com	Silica as (XSA)*	Alpha Quartz, Cristobalite, Tridyr With Respirable Dust (XDA	nite
Billing/Invoice	e Informati	on	Turn Aro	und Times	Silica Bu	ılk (XSI)*	TC
SAME			90 Min.	48 Hours	Bulk Pha	se ID/Whole Rock (XUK)	
Company:			3 Hours	72 Hours	Total Du NIOSH N	st Method 0500 (GTD)	
Contact:			6 Hours	96 Hours	Respirab		10
Address:			12 Hours	120 Hours	PCM NIC	OSH 7400-A Rules (PCM)	
			24 Hours	144 ⁺ Hours	B Rule	s (PCB) TWA (PTA)	
			^TATs not available	for certain test types	TEM NIC	OSH 7402 (Asbestos) (TNI)	
PO Number:						ent Chromium (OSHA ID-215) from spray paint operations)	
Project Name/N	umber: 91910	3.001 GFC OSH	4		Under Co	NIOSH 7300) (Specify Metals omments)	
					Other Ni	OSH 7300	×
					* M	dodified NIOSH 7500 OSHA ID 1	42
Sample ID #		Description/I	Location	Volume	/Area	Comments	
						As, Cd, Pb	
105-W-1	2 nd - B	Luces (37-	837	1 54		As, Cd, Pb	
105-W-2	2nd _ /	428		1 SF		As, Cd, Pb	
105 - W - 3	2 nd -	E 26		1 SF		As, Cd, Pb	
105-W-4	2 nd -	H 11		+ 3F	1SF	As, Cd, Pb	
05-W-5	2 nd _	H23		13F		As, Cd, Pb	
105-W-6	2 nd -	Tup of Cabo	inst	1 51	1	As, Cd, Pb	
105-W-7	2nd -	H5		155		As, Cd, Pb	
105-W-8	2 nd - C	2		1 SF		As, Cd, Pb	
105-W-9	2nd - 8	11		1 SF		As, Cd, Pb	
105-W-10	Blank	8/21		1 SF		As, Cd, Pb	
100-11-11	15+ -	The		, 3F		As, Cd, Pb	

			-	Total #	of Samples
	Relinquished by	3 d Dated	Re	eceived by	Date/Time
(b) (6)			(b) (6)	5/21	1030 m
(5) (5)		8-23 1600		0/20	10 K
					Pageof
4					A-F-018 EXP. 2/4/2021

Accepted W



Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407

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:	1922314
Client Code:	

Company Contact				trial Hygiene Test Ty	pes	
Company: OCCU-TEC	C Inc.	Contact: Kevin	Heriford	Silica as Alpha Quartz (XSZ)* With Respirable Dust (XDZ)		
Address: 2604 NE Indu	strial Drive, Suite 230	Phone □: 816-8	325-0628	Silica as C	ristobalite (XSC)* With Respirable Dust (XDC)	
North Kansas (City, MO 64117	Fax □: 816-99	94-3470	Silica as Tr	ridymite (XST)*	_
		Email : Kheriford	d@occutec.com	Silica as Al	lpha Quartz, Cristobalite, Tridyn	_
					With Respirable Dust (XDA) [
Billing/Invoice Info	ormation	Turn Arou	nd Times	Silica Bulk	(XSI)*	T
SAME		90 Min.	48 Hours	Bulk Phase	ID/Whole Rock (XUK)	
Company:		3 Hours	72 Hours	Total Dust NIOSH Me	ethod 0500 (GTD)	
Contact:		6 Hours	96 Hours	Respirable NIOSH Me	Dust ethod 0600 (GRD)	
Address:		12 Hours	120 Hours	PCM NIOS	6H 7400-A Rules (PCM)	
		24 Hours	144⁺Hours □	B Rules (PCB) TWA (PTA)	
		^TATs not available fo	or certain test types	TEM NIOS	SH 7402 (Asbestos) (TNI)	
PO Number:					Chromium (OSHA ID-215) m spray paint operations)	
Project Name/Numbe	r: 919103.001 GFC OSH	A			OSH 7300) (Specify Metals	
				Other NIOS		×
				* Mod	dified NIOSH 7500 OSHA ID 14	2
Sample ID #	Description/I	Location	Volume/A	rea	Comments	
					As, Cd, Pb	
105-W-13 /	st - 821		1 51=		As, Cd, Pb	
	t - J16		, sF		As, Cd, Pb	
105-W-16 1	st - J30		, SF		As, Cd, Pb	
105-W-17 /	5+ - 635		1 SF		As, Cd, Pb	
0	ank 8-22		1 35		As, Cd, Pb	
01	area of the				As, Cd, Pb	
					As, Cd, Pb	
					As, Cd, Pb	
					As, Cd, Pb	
					As, Cd, Pb	
					As, Cd, Pb	-

Relinquished by

Date/Time
Received by

Date/Time

Total # of Samples

Date/Time

F-23 /600

Page___of__

As, Cd, Pb

METALS IN SETTLED DUST RESULTS







08/26/2019

Date Received:

NIOSH 7303/EPA SW-846 3050B

Client: OCCU-TEC Inc. Attn: Kevin Heriford Lab Order ID: 71922316

2604 NE Industrial Drive, Suite 230

Sample ID	Description	Area	4371	Reporting	Concentration	Concentration
Lab Sample ID	Lab Notes	(ft ²)	*Element	Limit (µg)	(µg)	(μg/ft²)
105-W-1	2 nd – Between		As	0.50	< 0.50	< 0.50
103-W-1	C37-B37	1	Cd	0.10	< 0.10	< 0.10
71922316IPW_1			Pb	1.5	<1.5	<1.5
105-W-2	2 nd – H28		As	0.50	< 0.50	< 0.50
103-W-2	2 ¹¹ – H28	1	Cd	0.10	<0.10	<0.10
71922316IPW_2			Pb	1.5	<1.5	<1.5
105-W-3	2 nd – E26		As	0.50	< 0.50	< 0.50
103-W-3	2** – E20	1	Cd	0.10	<0.10	<0.10
71922316IPW_3			Pb	1.5	<1.5	<1.5
105-W-4	2 nd – H11		As	0.50	< 0.50	< 0.50
103-W-4	Z ¹¹⁰ – H11	1	Cd	0.10	0.13	0.13
71922316IPW_4			Pb	1.5	<1.5	<1.5
105-W-5	2 nd – H23		As	0.50	< 0.50	< 0.50
103-W-3	2 – 1123	1	Cd	0.10	<0.10	<0.10
71922316IPW_5			Pb	1.5	<1.5	<1.5
105-W-6	2 nd – Top of		As	0.50	< 0.50	< 0.50
103-W-0	Cabinet	1	Cd	0.10	<0.10	<0.10
71922316IPW_6			Pb	1.5	<1.5	<1.5
105-W-7	2 nd – H5		As	0.50	< 0.50	< 0.50
103-W-7	2 -113	1	Cd	0.10	< 0.10	< 0.10
71922316IPW_7			Pb	1.5	2.1	2.1
105-W-8	$2^{\mathrm{nd}} - \mathrm{C2}$		As	0.50	< 0.50	< 0.50
103-W-0	2 – C2	1	Cd	0.10	< 0.10	< 0.10
71922316IPW_8			Pb	1.5	<1.5	<1.5

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.





NIOSH 7303/EPA SW-846 3050B

Client: **OCCU-TEC Inc. Kevin Heriford** Lab Order ID: 71922316 Attn: **Date Received:** 08/26/2019

2604 NE Industrial Drive, Suite 230

North Kansas City, MO 64117 09/03/2019 **Date Reported:** 919103.001 GFC OSHA **Project:** Page: 2 of 3

Sample ID	Description	Area	4101	Reporting	Concentration	Concentration
Lab Sample ID	Lab Notes	(ft ²)	*Element	Limit (µg)	(µg)	(μg/ft ²)
105-W-9	$2^{\mathrm{nd}} - \mathrm{B}11$		As	0.50	< 0.50	< 0.50
105-W-9	2 ^{na} – B11	1	Cd	0.10	0.10	0.10
71922316IPW_9			Pb	1.5	2.5	2.5
105-W-10	Dlaula 9/21		As	0.50	< 0.50	< 0.050
105-W-10	Blank 8/21	1	Cd	0.10	<0.10	< 0.10
71922316IPW_10			Pb	1.5	<1.5	<1.5
105 W 11	$1^{st} - T6$		As	0.50	< 0.50	< 0.50
105-W-11	155 – 16	1	Cd	0.10	<0.10	< 0.10
71922316IPW_11			Pb	1.5	<1.5	<1.5
105-W-12	$1^{\mathrm{st}} - \mathrm{B7}$		As	0.50	< 0.50	< 0.50
103-W-12	I – B /	1	Cd	0.10	0.58	0.58
71922316IPW_12			Pb	1.5	7.1	7.1
105-W-13	$1^{st} - B21$		As	0.50	0.64	0.64
103-W-15	1 - 1021	1	Cd	0.10	0.86	0.86
71922316IPW_13			Pb	1.5	9.9	9.9
105-W-14	$1^{st} - J16$		As	0.50	< 0.50	< 0.50
103-W-14	$1^{-1} - 310$	1	Cd	0.10	<0.10	< 0.10
71922316IPW_14			Pb	1.5	<1.5	<1.5
105-W-16	$1^{st} - J30$		As	0.50	< 0.50	< 0.50
103-W-10	1 - 350	1	Cd	0.10	<0.10	<0.10
71922316IPW_15			Pb	1.5	<1.5	<1.5
105-W-17	1st – C35		As	0.50	< 0.50	< 0.50
103-W-1/	1	1	Cd	0.10	<0.10	<0.10
71922316IPW_16			Pb	1.5	<1.5	<1.5

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.





08/26/2019

Date Received:

NIOSH 7303/EPA SW-846 3050B

Client: OCCU-TEC Inc. Attn: Kevin Heriford Lab Order ID: 71922316

2604 NE Industrial Drive, Suite 230

Sample ID Lab Sample ID	Description Lab Notes	Area (ft²)	*Element	Reporting Limit	Concentration (µg)	Concentration (μg/ft²)
Lav Sample ID	Lab Notes	(10)		(μg)		,,
105-W-18	Blank 8-22		As	0.50	< 0.50	< 0.50
103-W-16	Diank 6-22	1	Cd	0.10	< 0.10	< 0.10
71922316IPW_17			Pb	1.5	<1.5	<1.5

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 Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 lab@sailab.com www.sailab.com

Lab Use Only Lab Order ID:	1929316
Client Code:	

	-825-0628	Silica as Alpha Quartz (XSZ)* With Respirable Dust (XDZ) Silica as Cristobalite (XSC)* With Respirable Dust (XDC) Silica as Tridymite (XST)* With Respirable Dust (XDT) Silica as Alpha Quartz, Cristobalite, Tridymit (XSA)*
North Kansas City, MO 64117 Fax : 816-9 Email : Kherife Billing/Invoice Information SAME 90 Min. 90 Min. 10 Total Control Cont	994-3470 ord@occutec.com	With Respirable Dust (XDC) Silica as Tridymite (XST)* With Respirable Dust (XDT) Silica as Alpha Quartz, Cristobalite, Tridymit (XSA)*
Billing/Invoice Information SAME 90 Min.	ord@occutec.com	Silica as Tridymite (XST)* With Respirable Dust (XDT) Silica as Alpha Quartz, Cristobalite, Tridymit (XSA)*
Billing/Invoice Information SAME 90 Min.	ord@occutec.com	Silica as Alpha Quartz, Cristobalite, Tridymit (XSA)*
Billing/Invoice Information Turn Ard SAME 90 Min.		(XSA)*
SAME 90 Min.	ound Times	
SAME 90 Min.	unu limes	With Respirable Dust (XDA) Silica Bulk (XSI)*
	48 Hours	Bulk Phase ID/Whole Rock (XUK)
	72 Hours	Total Dust
Contact: 6 Hours	96 Hours	NIOSH Method 0500 (GTD) Respirable Dust
Address: 12 Hours	120 Hours	NIOSH Method 0600 (GRD) PCM NIOSH 7400-A Rules (PCM)
Address: 24 Hours	144 ⁺ Hours	B Rules (PCB) TWA (PTA)
	-	TEM NIOSH 7402 (Asbestos) (TNI)
PO Number:	le for certain test types	Hexavalent Chromium (OSHA ID-215)
Project Name/Number: 919103.001 GFC OSHA		(Note if from spray paint operations) Metals (NIOSH 7300) (Specify Metals
1 roject trame/rumber: 313105.001 Gr C 0511A		Under Comments) Other NIOSH 7300
		As, Cd, Pb
105-W-1 2nd - Between (37-837	1 55	As, Cd, Pb
105-w-2 2nd- H28	1 SF	As, Cd, Pb
105-W-3 2nd - E26	1 5F	As, Cd, Pb
105-W-4 2nd - H11	+ SF 13	As, Cd, Pb
105-W-5 2nd - H23	135	As, Cd, Pb
105-W-6 2nd - Tup of Cabinet	1 SF	As, Cd, Pb
105-W-7 2nd - H5	155	As, Cd, Pb
105-W-8 2nd - C2	1 SF	As, Cd, Pb
105-W-9 2nd - 811	1 sF	As, Cd, Pb
105-W-10 Blank 8/21	1 SF	As, Cd, Pb
105-W-11 15+ - Th	1 SF	As, Cd, Pb
105-W-12 15+ - 84 CENTED	1 3 =	As, Cd, Pb
		Total # of Samples
Relinquished by Date Date	Received by	Date/Tim
) (6)	9 m 1030 m
8-23 (600		01,46 10 V



Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407

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:	1922314
Client Code:	

Company Cor	ntact Infor	mation			Industrial Hygiene Test Ty	pes
Company: OCCU			Contact: Kevin	Heriford	Silica as Alpha Quartz (XSZ)* With Respirable Dust (XDZ) [
Address: 2604 NE	Industrial D	rive, Suite 230	Phone □: 816-	825-0628	Silica as Cristobalite (XSC)* With Respirable Dust (XDC)	
North Kans	sas City. N	MO 64117	Fax []: 816-9	94-3470	Silica as Tridymite (XST)* With Respirable Dust (XDT	
			Email : Kherifor	rd@occutec.com	Silica as Alpha Quartz, Cristobalite, Tridyn (XSA)* With Respirable Dust (XDA	nite
Billing/Invoice	e Informat	ion	Turn Arou	und Times	Silica Bulk (XSI)*	
SAME			90 Min.	48 Hours	Bulk Phase ID/Whole Rock (XUK)	
Company:			3 Hours	72 Hours	Total Dust NIOSH Method 0500 (GTD)	
Contact:			6 Hours	96 Hours	Respirable Dust NIOSH Method 0600 (GRD)	
Address:			12 Hours	120 Hours	PCM NIOSH 7400-A Rules (PCM)	1
			24 Hours	144 ⁺ Hours	B Rules (PCB) TWA (PTA)	
			TAT's not available	for certain test types	TEM NIOSH 7402 (Asbestos) (TNI)	
PO Number:					Hexavalent Chromium (OSHA ID-215) (Note if from spray paint operations)	
Project Name/N	umber: 9191	03.001 GFC OSH	A		Metals (NIOSH 7300) (Specify Metals Under Comments)	
					Other NIOSH 7300	X
Sample ID #		Description/I		Volume/A	rea Comments As, Cd, Pb	
105-W-13	1st -	821		1 5=	As, Cd, Pb	
105-W-14	1 st _	T16		, SF	As, Cd, Pb	
105-W-16	1 st _	J30		, SF	As, Cd, Pb	
105-W-17	15t -	635		1 5F	As, Cd, Pb	
105-W-18	Blank	8-22		1 5F	As, Cd, Pb	
103-00 11	Diane	0 00			As, Cd, Pb	
					As, Cd, Pb	
					As, Cd, Pb	
					As, Cd, Pb	
	1				As, Cd, Pb	
					As, Cd, Pb	
	1				As, Cd, Pb	
	4				Total # of Samples	
Relinq (b) (6)	uished by	Date	e/Time	Received b	1000	ne
		-	2 = //-			





NIOSH 7300/EPA SW-846 3050B

Client: **OCCU-TEC Inc.** Lab Order ID: 71923422 Attn: **Justin Arnold Date Received:** 09/09/2019

2604 NE Industrial Drive, Suite 230

North Kansas City, MO 64117 **Date Reported:** 09/16/2019

919083.001 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)
105-W-19	2nc Floor Room 359 Column J 47		As	1.0	< 1.0	< 1.0
103-W-19	Top of Fridge	1	Cd	0.10	1.0	1.0
71923422IPW_1			Pb	1.5	1.9	1.9
105 W 20	2 nd Floor Room		As	1.0	< 1.0	< 1.0
105-W-20	308 Column J 42 Top of Desk	1	Cd	0.10	0.15	0.15
71923422IPW_2	•		Pb	1.5	2.3	2.3
105 111 21	2 nd Floor Room		As	1.0	1.1	1.1
105-W-21	349 Column G 45 Top of Fridge	1	Cd	0.10	3.0	3.0
71923422IPW_3			Pb	1.5	6.7	6.7
105 W 22	2 nd Floor Rm 306		As	1.0	1.7	1.7
105-W-22	Column F 42 Top of Built in Cabinet	1	Cd	0.10	2.8	2.8
71923422IPW_4			Pb	1.5	16	16
105 11/ 22	2 nd Floor Room		As	1.0	1.3	1.3
105-W-23	321 Column D 46 Top of Equipment	1	Cd	0.10	2.4	2.4
71923422IPW_5			Pb	1.5	3.7	3.7
105 111 24	2 nd Floor Room		As	1.0	1.9	1.9
105-W-24	318 Column C 41 Top of Equipment	1	Cd	0.10	54	54
71923422IPW_6			Pb	1.5	12	12
105-W-25	Blank		As	1.0	< 1.0	-
103-W-23	Віапк	-	Cd	0.10	< 0.10	-
71923422IPW_7			Pb	1.5	< 1.5	-

Melissa Ferrell	(b) (7)(A)
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 Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313

Lab Use Only Lab Order ID:	1192342	2
Client Code:		

Company Con	ntact Information	- ×			Indus	trial Hygiene Test Ty	pes
ompany: OCCU	-TEC Inc.	Contact: Justin	Arno	ld	Silica as A	lpha Quartz (XSZ)* With Respirable Dust (XDZ	о П
ddress: 2604 NE	Industrial Drive, Suite 230	Phone □:816-8	810-3	276	Silica as Ci	ristobalite (XSC)*	
	sas City, MO 64117	Fax □:816-99			Silica as Tr	With Respirable Dust (XDC idymite (XST)* With Respirable Dust (XDT	_
		Email :jarnold	@occu	tec.com	Silica as Al (XSA)*	lpha Quartz, Cristobalite, Tridyn	nite
Billing/Invoic	e Information	Turn Aro	und I	l'imes^	Silica Bulk	With Respirable Dust (XDA	
AME 🔳		90 Min.	48 H	ours 🔲	Bulk Phase	: ID/Whole Rock (XUK)	
ompany:		3 Hours	72 H	ours 🔲	Total Dust NIOSH Me	ethod 0500 (GTD)	E
ontact:		6 Hours	96 H	ours 🔲	Respirable		
ddress:		12 Hours	120 H	Iours 🔳		SH 7400-A Rules (PCM)	
		24 Hours	144+1	Hours 🔲	B Rules ((PCB) TWA (PTA)	
		^TATs not available	e for certa	in test types	TEM NIO	SH 7402 (Asbestos) (TNI)	
O Number:						t Chromium (OSHA ID-215) om spray paint operations)	
raject Name/N	umber:919083.001 GFC					OSH 7300) (Specify Metals	
Toject Name/I							_
Toject Name/N					Other NIC	OSH 7300 dified NIOSH 7500/OSHA ID I	
Sample ID #	Description/I	Location		Volume/	* Mo		
			•	Volume/	* Mo	dified NIOSH 7500/OSHA ID I	
Sample ID#	Description/I	J 47 top of fridge			* Mo	dified NIOSH 7500/OSHA ID I	
Sample ID # 105-W-19	Description/I	J 47 top of fridge J 42 top of desk		1 SF	* Mo	Comments As, Cd, Pb	
Sample ID # 105-W-19 105-W-20	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column	J 47 top of fridge J 42 top of desk G 45 top of fridge	е	1 SF 1 SF 1 SF	* Mo	Comments As, Cd, Pb As, Cd, Pb	
Sample ID # 105-W-19 105-W-20 105-W-21	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 349 Column	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in c	e cabinet	1 SF 1 SF 1 SF 1 SF	* Mo	Comments As, Cd, Pb As, Cd, Pb As, Cd, Pb	
Sample ID # 105-W-19 105-W-20 105-W-21 105-W-22	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 349 Column 2nd Floor Room 306 Column F	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in o	e cabinet pment	1 SF 1 SF 1 SF 1 SF	* Mo	Comments As, Cd, Pb	
Sample ID # 105-W-19 105-W-20 105-W-21 105-W-22 105-W-23	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 349 Column 2nd Floor Room 306 Column F 2nd Floor Room 321 Column	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in o	e cabinet pment	1 SF 1 SF 1 SF 1 SF 1 SF	* Mo	Comments As, Cd, Pb	
Sample ID # 105-W-19 105-W-20 105-W-21 105-W-22 105-W-23 105-W-24	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 349 Column 2nd Floor Room 306 Column F 2nd Floor Room 321 Column 2nd Floor Room 318 Column	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in o	e cabinet pment	1 SF 1 SF 1 SF 1 SF 1 SF	* Mo	Comments As, Cd, Pb	
Sample ID # 105-W-19 105-W-20 105-W-21 105-W-22 105-W-23 105-W-24	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 349 Column 2nd Floor Room 306 Column F 2nd Floor Room 321 Column 2nd Floor Room 318 Column	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in o	e cabinet pment	1 SF 1 SF 1 SF 1 SF 1 SF	* Mo	Comments As, Cd, Pb	
Sample ID # 105-W-19 105-W-20 105-W-21 105-W-22 105-W-23 105-W-24	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 349 Column 2nd Floor Room 306 Column F 2nd Floor Room 321 Column 2nd Floor Room 318 Column Blank	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in o	e cabinet pment	1 SF 1 SF 1 SF 1 SF 1 SF	Area	Comments As, Cd, Pb	
Sample ID # 105-W-19 105-W-20 105-W-21 105-W-22 105-W-23 105-W-24	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 349 Column 2nd Floor Room 306 Column F 2nd Floor Room 321 Column 2nd Floor Room 318 Column Blank	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in o	e cabinet pment	1 SF 1 SF 1 SF 1 SF 1 SF	Acces Rejec	Comments As, Cd, Pb	42
Sample ID # 105-W-19 105-W-20 105-W-21 105-W-22 105-W-23 105-W-24 105-W-25	Description/I 2nd Floor Room 359 Column 2nd Floor Room 308 Column 2nd Floor Room 306 Column F 2nd Floor Room 321 Column 2nd Floor Room 318 Column Blank	J 47 top of fridge J 42 top of desk G 45 top of fridge 42 top of built in o	e cabinet pment	1 SF 1 SF 1 SF 1 SF 1 SF	Accept Rejec	Comments As, Cd, Pb	7





10/08/2019

Date Received:

NIOSH 7300/EPA SW-846 3050B

Client: **OCCU-TEC Inc. Justin Arnold** 71926046 Attn: Lab Order ID:

2604 NE Industrial Drive, Suite 230

North Kansas City, MO 64117 10/14/2019 **Date Reported:**

919103 Bldg 105 **Project:** Page: 1 of 1

Sample ID	Description	Area	*Element	Reporting Limit	Concentration	Concentration
Lab Sample ID	Lab Notes	(ft ²)		Lillit (μg)	(μg)	(μg/ft ²)
105-PbW-01	Carpet at Column J-26	1	As	0.50	< 0.50	< 0.50
			Cd	0.10	< 0.10	< 0.10
71926046IPW_1			Pb	0.50	0.65	0.65
105-PbW-02	Field Blank	-	As	0.50	< 0.50	-
			Cd	0.10	< 0.10	-
71926046IPW_2			Pb	0.50	< 0.50	-

(b) (6) Melissa Ferrell **Lab Director** Analyst

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

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

Lab Use Only
Lab Use Only 1926046
Client Code.

Company Cont		Industrial Hygiene Test Ty	pes		
Company: Occu-		Contact: Justin Amild		Silica as Alpha Quartz*	
	· · · · · · · · · · · · · · · · · · ·	Phone :		Silica as Cristobalite*	
, # 23		Fax :		Silica as Tridymite*	
North Kansu	os City, MO (04117)	Email X: jamo ld Qoccutec com		Silica as Alpha Quartz, Cristobalite, Tridymite*	
		3		Include Respirable Dust	
Billing/Invoice	Information	Turn Around Times [^]		Silica Bulk*	
SAME		90 Min.		Bulk Phase ID/Whole Rock SAI Method H-SOP-003	
Company:		3 Hours 72 Hours		Total Dust NIOSH Method 0500	
Contact:		6 Hours		Respirable Dust NIOSH Method 0600	
Address:		12 Hours 120 Hours		PCM NIOSH 7400 (Fibers)	
		24 Hours		TEM NIOSH 7402 (Asbestos)	
		TAT's not available for certain test types		Hexavalent Chromium (OSHA ID-215) (Note if from spray paint operations)	
PO Number:				Metals (NIOSH 7300) (Specify Metals Uncer Comments)	
Project Name/Nu	mber: 919103	B/da 10	05	Other AS, Cd, Pb	K
		3		*Medified MOSH 7500/OSH/.	(D 1:12
Sample ID #	Description/L	ocation	Volume/Ar	ea Comments (List Metals	Here)
105-PbW-01	Carpet at Colu	mn J-26	1 SF	- As, Cd, Ph	,
105 PbW-02	Field Blan	K			
			Acce	pted 🔟	
			Reie	cted	
			14 55100	The second state of	
	,				
					7
				Total # of Samples	_
Relingu	ished by Date/	Time	Received by		me
(b) (6)	10-7-19	(b) (6)	1121	8 10:30A	
		, ,,,,,,	10/8		
				Page of_	