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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. 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 ( $\mu\text{g}/\text{sf}$ ) to 1.90  $\mu\text{g}/\text{sf}$  for Arsenic, <0.1  $\mu\text{g}/\text{sf}$  to 54.0  $\mu\text{g}/\text{sf}$  for Cadmium, and <1.5  $\mu\text{g}/\text{sf}$  to 12.0  $\mu\text{g}/\text{sf}$  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.

Sincerely,

(b) (6)

Justin Arnold, CIEC  
Project Manager



(b) (6)

Kevin Heriford  
Operations Manager (QA/QC)



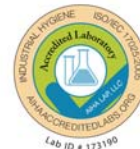
# ASBESTOS (PCM) RESULTS





# Airborne Fiber Analysis

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



**Customer:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117

**Attn:** Kevin Heriford

**Lab Order ID:** 71922295

**Analysis ID:** 1922295\_PCM

**Date Received:** 8/26/2019

**Project:** 919103.001 GFC OSHA

**Date Reported:** 8/30/2019

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)
105-2	1st @ D37	906.3 L	< 5.5	< 7.0	0.0030	< <b>0.0030</b>
71922295PCM_1		385 mm <sup>2</sup>	100			
105-5	1st @ D15	772.35 L	< 5.5	< 7.0	0.0035	< <b>0.0035</b>
71922295PCM_2		385 mm <sup>2</sup>	100			
105-BL-2	Blank	0 L	< 5.5	< 7.0	N/A	N/A
71922295PCM_3		385 mm <sup>2</sup>	100			

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)

Analyst

Approved Signatory



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 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

Lab Use Only 11922295  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: OCCU-TEC Inc.	Contact: Kevin Heriford
Address: 2604 NE Industrial Drive Suite 230 North Kansas City, MO 64117	Phone <input checked="" type="checkbox"/> : 816-825-0628 Fax <input checked="" type="checkbox"/> : 816-994-3470 Email <input checked="" type="checkbox"/> : kheriford@occutec.com

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"/>

Billing/Invoice Information	Turn Around Times	
Company: Same	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact:	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: \_\_\_\_\_  
 Project Name/Number: 919103.001 GFC OSHA

Sample ID #	Description/Location	Volume/Area	Comments
105-2	1 <sup>st</sup> @ D37	906.3 L	
105-5	1 <sup>st</sup> @ D15	772.35 L	
105-8L-2	Blank	N/A	

Accepted   
 Rejected

Total # of Samples \_\_\_\_\_

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	7-23 1600	(b) (6)	8/26 1030

# 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:** Justin Arnold

**Lab Order ID:** 71923420

**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 <sup>2</sup> )	(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 <sup>2</sup>	100			
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 <sup>2</sup>	100			
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 <sup>2</sup>	100			
105-AA-04	Blank	0 L	< 5.5	< 7.0	N/A	N/A
71923420PCM_4		385 mm <sup>2</sup>	100			
105-AA-05	Blank	0 L	< 5.5	< 7.0	N/A	N/A
71923420PCM_5		385 mm <sup>2</sup>	100			

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Sharon Donald (5)

Analyst

Approved Signatory



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Lab Use Only  
 Lab Order ID: 11923420  
 Client Code: \_\_\_\_\_

**Company Contact Information**

Company: OCCU-TEC Inc.	Contact: Justin Arnold
Address: 2604 NE Industrial Drive Suite, 230 North Kansas City, MO 64117	Phone <input checked="" type="checkbox"/> : 816-810-3276 Fax <input checked="" type="checkbox"/> : 816-994-3478 Email <input checked="" type="checkbox"/> : jarnold@occutec.com

**Billing/Invoice Information**

Company: Same	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact:	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 <sup>+</sup> Hours <input type="checkbox"/>

**PO Number:** \_\_\_\_\_  
**Project Name/Number:** 919103.001 GFC OSHA

**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 #	Description/Location	Volume/Area	Comments
105-AA-01	1st Floor Warehouse Column D 49 top of Cabinet	795.15	
105-AA-02	Room 320 2nd Floor Column C 44 Top of Air Cleaner Cabinet	778.05	
105-AA-03	Room 347 2nd Floor Column G 48 Top of Cabinet	780.9	
105-AA-04	Blank	NA	
105-AA-05	Blank	NA	
			Accepted <input checked="" type="checkbox"/>
			Rejected <input type="checkbox"/>

Total # of Samples 5

Date/Time	Received by	Date/Time
9-5-2019	(b) (6)	9/9 10:30 A

# METALS IN AIR RESULTS

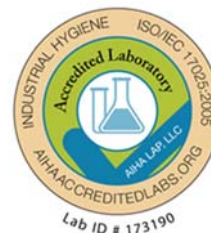






# Airborne Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)

NIOSH Method 7303



<b>Client:</b>	OCCU-TEC Inc. 2604 NE Industrial Drive, Ste 230 North Kansas City, MO 64117	<b>Attn:</b> Kevin Heriford	<b>Lab Order ID:</b> 71922309 <b>Date Received:</b> 08/26/2019 <b>Date Reported:</b> 09/03/2019
<b>Project:</b>	919103.001 GFC OSHA		<b>Page:</b> 1 of 1

Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m <sup>3</sup> )
Lab Sample ID	Lab Notes					
105-1	1 <sup>st</sup> Fl @ C40	880.65	As	0.25	< 0.25	< 0.28
			Cd	0.075	< 0.075	< 0.085
71922309IPA_1			Pb	0.75	< 0.75	< 0.85
105-3	1 <sup>st</sup> Fl @ D30	934.8	As	0.25	< 0.25	< 0.27
			Cd	0.075	< 0.075	< 0.080
71922309IPA_2			Pb	0.75	< 0.75	< 0.80
105-4	1 <sup>st</sup> Fl @ E13	778.05	As	0.25	< 0.25	< 0.32
			Cd	0.075	< 0.075	< 0.096
71922309IPA_3			Pb	0.75	< 0.75	< 0.96
105-6	1 <sup>st</sup> Fl @ C11	732.45	As	0.25	< 0.25	< 0.034
			Cd	0.075	< 0.075	< 0.10
71922309IPA_4			Pb	0.75	< 0.75	< 1.0
105-7	1 <sup>st</sup> Fl @ H2	778.05	As	0.25	< 0.25	< 0.32
			Cd	0.075	< 0.075	< 0.096
71922309IPA_5			Pb	0.75	< 0.75	< 0.96
105-BL-1	Blank	-	As	0.25	< 0.25	-
			Cd	0.075	< 0.075	-
71922309IPA_6			Pb	0.75	< 0.75	-

Melissa Ferrell

(b) (6)

**Analyst**

**Lab Director**

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 www.sailab.com lab@sailab.com

Lab Use Only 1922316  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: OCCU-TEC Inc.	Contact: Kevin Heriford
Address: 2604 NE Industrial Drive, Suite 230	Phone <input type="checkbox"/> : 816-825-0628
North Kansas City, MO 64117	Fax <input type="checkbox"/> : 816-994-3470
	Email : Kheriford@occutec.com

Industrial Hygiene Test Types	
Silica as Alpha Quartz (XSZ)* <input type="checkbox"/>	With Respirable Dust (XDZ) <input type="checkbox"/>
Silica as Cristobalite (XSC)* <input type="checkbox"/>	With Respirable Dust (XDC) <input type="checkbox"/>
Silica as Tridymite (XST)* <input type="checkbox"/>	With Respirable Dust (XDT) <input type="checkbox"/>
Silica as Alpha Quartz, Cristobalite, Tridymite (XSA)* <input type="checkbox"/>	With Respirable Dust (XDA) <input type="checkbox"/>
Silica Bulk (XSI)* <input type="checkbox"/>	
Bulk Phase ID/Whole Rock (XUK) <input type="checkbox"/>	
Total Dust NIOSH Method 0500 (GTD) <input type="checkbox"/>	
Respirable Dust NIOSH Method 0600 (GRD) <input type="checkbox"/>	
PCM NIOSH 7400-A Rules (PCM) <input type="checkbox"/>	
B Rules (PCB) <input type="checkbox"/>	TWA (PTA) <input type="checkbox"/>
TEM NIOSH 7402 (Asbestos) (TNI) <input type="checkbox"/>	
Hexavalent Chromium (OSHA ID-215) (Note if from spray paint operations) <input type="checkbox"/>	
Metals (NIOSH 7300) (Specify Metals Under Comments) <input type="checkbox"/>	
Other NIOSH 7300 <input checked="" type="checkbox"/>	

Billing/Invoice Information	Turn Around Times <sup>^</sup>	
SAME <input checked="" type="checkbox"/>	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Company:	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Contact:	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
Address:	12 Hours <input type="checkbox"/>	120 Hours <input checked="" type="checkbox"/>
	24 Hours <input type="checkbox"/>	144 <sup>+</sup> Hours <input type="checkbox"/>
	<sup>^</sup> TATs not available for certain test types	
PO Number:		
Project Name/Number:	919103.001 GFC OSHA	

Sample ID #	Description/Location	Volume/Area	Comments
			As, Cd, Pb
105-W-1	2 <sup>nd</sup> - Between C37-B37	1 SF	As, Cd, Pb
105-W-2	2 <sup>nd</sup> - H28	1 SF	As, Cd, Pb
105-W-3	2 <sup>nd</sup> - E26	1 SF	As, Cd, Pb
105-W-4	2 <sup>nd</sup> - H11	1 SF / 1 SF	As, Cd, Pb
105-W-5	2 <sup>nd</sup> - H23	1 SF	As, Cd, Pb
105-W-6	2 <sup>nd</sup> - Top of Cabinet	1 SF	As, Cd, Pb
105-W-7	2 <sup>nd</sup> - H5	1 SF	As, Cd, Pb
105-W-8	2 <sup>nd</sup> - C2	1 SF	As, Cd, Pb
105-W-9	2 <sup>nd</sup> - B11	1 SF	As, Cd, Pb
105-W-10	Blank 8/21	1 SF	As, Cd, Pb
105-W-11	1 <sup>st</sup> - T6	1 SF	As, Cd, Pb
105-W-12	1 <sup>st</sup> - B7	1 SF	As, Cd, Pb

Total # of Samples \_\_\_\_\_

Relinquished by (b) (6)	Date/Time 8-23 1600	Received by (b) (6)	Date/Time 8/26 10:30 A
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Page \_\_\_\_\_ of \_\_\_\_\_



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Lab Use Only  
 Lab Order ID: 11922316  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: OCCU-TEC Inc.	Contact: Kevin Heriford
Address: 2604 NE Industrial Drive, Suite 230	Phone ☐: 816-825-0628
North Kansas City, MO 64117	Fax ☐: 816-994-3470
	Email : Kheriford@occutec.com

Industrial Hygiene Test Types	
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, Tridymite (XSA)* ☐ With Respirable Dust (XDA) ☐	
Silica Bulk (XSI)*	☐
Bulk Phase ID/Whole Rock (XUK)	☐
Total Dust NIOSH Method 0500 (GTD)	☐
Respirable Dust NIOSH Method 0600 (GRD)	☐
PCM NIOSH 7400-A Rules (PCM)	☐
B Rules (PCB) ☐ TWA (PTA) ☐	
TEM NIOSH 7402 (Asbestos) (TNI)	☐
Hexavalent Chromium (OSHA ID-215) (Note if from spray paint operations)	☐
Metals (NIOSH 7300) (Specify Metals Under Comments)	☐
Other NIOSH 7300 _____	<input checked="" type="checkbox"/>

\* Modified NIOSH 7500 OSHA ID 142

Billing/Invoice Information	Turn Around Times <sup>^</sup>	
SAME <input checked="" type="checkbox"/>	90 Min. ☐	48 Hours ☐
Company:	3 Hours ☐	72 Hours ☐
Contact:	6 Hours ☐	96 Hours ☐
Address:	12 Hours ☐	120 Hours <input checked="" type="checkbox"/>
	24 Hours ☐	144 <sup>+</sup> Hours ☐
	<sup>^</sup> TATs not available for certain test types	
PO Number:		
Project Name/Number:	919103.001 GFC OSHA	

Sample ID #	Description/Location	Volume/Area	Comments
			As, Cd, Pb
105-W-13	1 <sup>st</sup> - 821	1 SF	As, Cd, Pb
105-W-14	1 <sup>st</sup> - J16	1 SF	As, Cd, Pb
105-W-16	1 <sup>st</sup> - J30	1 SF	As, Cd, Pb
105-W-17	1 <sup>st</sup> - L35	1 SF	As, Cd, Pb
105-W-18	Blank 8-22	1 SF	As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb

Total # of Samples \_\_\_\_\_

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	8-23 1600		

Page \_\_\_\_\_ of \_\_\_\_\_

# METALS IN SETTLED DUST RESULTS





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

NIOSH 7303/EPA SW-846 3050B



<b>Client:</b>	OCCU-TEC Inc. 2604 NE Industrial Drive, Suite 230 North Kansas City, MO 64117	<b>Attn:</b> Kevin Heriford	<b>Lab Order ID:</b> 71922316	
			<b>Date Received:</b> 08/26/2019	
			<b>Date Reported:</b> 09/03/2019	
<b>Project:</b> 919103.001 GFC OSHA			<b>Page:</b> 1 of 3	

Sample ID	Description	Area (ft <sup>2</sup> )	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft <sup>2</sup> )
Lab Sample ID	Lab Notes					
105-W-1	2 <sup>nd</sup> – Between C37-B37	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_1			Pb	1.5	<1.5	<1.5
105-W-2	2 <sup>nd</sup> – H28	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_2			Pb	1.5	<1.5	<1.5
105-W-3	2 <sup>nd</sup> – E26	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_3			Pb	1.5	<1.5	<1.5
105-W-4	2 <sup>nd</sup> – H11	1	As	0.50	<0.50	<0.50
			Cd	0.10	0.13	0.13
71922316IPW_4			Pb	1.5	<1.5	<1.5
105-W-5	2 <sup>nd</sup> – H23	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_5			Pb	1.5	<1.5	<1.5
105-W-6	2 <sup>nd</sup> – Top of Cabinet	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_6			Pb	1.5	<1.5	<1.5
105-W-7	2 <sup>nd</sup> – H5	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_7			Pb	1.5	2.1	2.1
105-W-8	2 <sup>nd</sup> – C2	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_8			Pb	1.5	<1.5	<1.5

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.



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

NIOSH 7303/EPA SW-846 3050B



**Client:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117

**Attn:** Kevin Heriford

**Lab Order ID:** 71922316

**Date Received:** 08/26/2019

**Date Reported:** 09/03/2019

**Project:** 919103.001 GFC OSHA

**Page:** 2 of 3

Sample ID	Description	Area (ft <sup>2</sup> )	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft <sup>2</sup> )
Lab Sample ID	Lab Notes					
105-W-9	2 <sup>nd</sup> – B11	1	As	0.50	<0.50	<0.50
			Cd	0.10	0.10	0.10
71922316IPW_9			Pb	1.5	2.5	2.5
105-W-10	Blank 8/21	1	As	0.50	<0.50	<0.050
			Cd	0.10	<0.10	<0.10
71922316IPW_10			Pb	1.5	<1.5	<1.5
105-W-11	1 <sup>st</sup> – T6	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_11			Pb	1.5	<1.5	<1.5
105-W-12	1 <sup>st</sup> – B7	1	As	0.50	<0.50	<0.50
			Cd	0.10	0.58	0.58
71922316IPW_12			Pb	1.5	7.1	7.1
105-W-13	1 <sup>st</sup> – B21	1	As	0.50	0.64	0.64
			Cd	0.10	0.86	0.86
71922316IPW_13			Pb	1.5	9.9	9.9
105-W-14	1 <sup>st</sup> – J16	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_14			Pb	1.5	<1.5	<1.5
105-W-16	1 <sup>st</sup> – J30	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_15			Pb	1.5	<1.5	<1.5
105-W-17	1 <sup>st</sup> – C35	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_16			Pb	1.5	<1.5	<1.5

Melissa Ferrell

**Analyst**

(b) (6)

**Lab Director**

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

NIOSH 7303/EPA SW-846 3050B



**Client:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117

**Attn:** Kevin Heriford

**Lab Order ID:** 71922316

**Date Received:** 08/26/2019

**Date Reported:** 09/03/2019

**Project:** 919103.001 GFC OSHA

**Page:** 3 of 3

Sample ID	Description	Area (ft <sup>2</sup> )	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft <sup>2</sup> )
Lab Sample ID	Lab Notes					
105-W-18	Blank 8-22	1	As	0.50	<0.50	<0.50
			Cd	0.10	<0.10	<0.10
71922316IPW_17			Pb	1.5	<1.5	<1.5

Melissa Ferrell

**Analyst**

(b) (6)

**Lab Director**

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

Lab Use Only 1922316  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: OCCU-TEC Inc.	Contact: Kevin Heriford
Address: 2604 NE Industrial Drive, Suite 230	Phone ☐: 816-825-0628
North Kansas City, MO 64117	Fax ☐: 816-994-3470
	Email : Kheriford@occutec.com

Industrial Hygiene Test Types	
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, Tridymite (XSA)* ☐ With Respirable Dust (XDA) ☐	
Silica Bulk (XSI)*	☐
Bulk Phase ID/Whole Rock (XUK)	☐
Total Dust NIOSH Method 0500 (GTD)	☐
Respirable Dust NIOSH Method 0600 (GRD)	☐
PCM NIOSH 7400-A Rules (PCM)	☐
B Rules (PCB) ☐ TWA (PTA) ☐	
TEM NIOSH 7402 (Asbestos) (TNI)	☐
Hexavalent Chromium (OSHA ID-215) (Note if from spray paint operations)	☐
Metals (NIOSH 7300) (Specify Metals Under Comments)	☐
Other NIOSH 7300 _____	<input checked="" type="checkbox"/>

Billing/Invoice Information	Turn Around Times <sup>^</sup>	
SAME <input checked="" type="checkbox"/>	90 Min. ☐	48 Hours ☐
Company:	3 Hours ☐	72 Hours ☐
Contact:	6 Hours ☐	96 Hours ☐
Address:	12 Hours ☐	120 Hours <input checked="" type="checkbox"/>
	24 Hours ☐	144 <sup>+</sup> Hours ☐
	<sup>^</sup> TATs not available for certain test types	
PO Number:		
Project Name/Number: 919103.001 GFC OSHA		

Sample ID #	Description/Location	Volume/Area	Comments
			As, Cd, Pb
105-W-1	2 <sup>nd</sup> - Between C37-B37	1 SF	As, Cd, Pb
105-W-2	2 <sup>nd</sup> - H28	1 SF	As, Cd, Pb
105-W-3	2 <sup>nd</sup> - E26	1 SF	As, Cd, Pb
105-W-4	2 <sup>nd</sup> - H11	<del>1 SF</del> 1 SF	As, Cd, Pb
105-W-5	2 <sup>nd</sup> - H23	1 SF	As, Cd, Pb
105-W-6	2 <sup>nd</sup> - Top of Cabinet	1 SF	As, Cd, Pb
105-W-7	2 <sup>nd</sup> - H5	1 SF	As, Cd, Pb
105-W-8	2 <sup>nd</sup> - C2	1 SF	As, Cd, Pb
105-W-9	2 <sup>nd</sup> - B11	1 SF	As, Cd, Pb
105-W-10	Blank 8/21	1 SF	As, Cd, Pb
105-W-11	1 <sup>st</sup> - T6	1 SF	As, Cd, Pb
105-W-12	1 <sup>st</sup> - B7	1 SF	As, Cd, Pb

Total # of Samples \_\_\_\_\_

Relinquished by (b) (6)	Received by (b) (6)	Date/Time 8-23 1600	Date/Time 8/26 10:30 A
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Page \_\_\_\_\_ of \_\_\_\_\_





**Scientific Analytical Institute, Inc.**  
 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: 11922316  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: OCCU-TEC Inc.	Contact: Kevin Heriford
Address: 2604 NE Industrial Drive, Suite 230	Phone ☐: 816-825-0628
North Kansas City, MO 64117	Fax ☐: 816-994-3470
	Email : Kheriford@occutec.com

Industrial Hygiene Test Types	
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, Tridymite (XSA)* ☐ With Respirable Dust (XDA) ☐	
Silica Bulk (XSI)*	☐
Bulk Phase ID/Whole Rock (XUK)	☐
Total Dust NIOSH Method 0500 (GTD)	☐
Respirable Dust NIOSH Method 0600 (GRD)	☐
PCM NIOSH 7400-A Rules (PCM)	☐
B Rules (PCB) ☐ TWA (PTA) ☐	
TEM NIOSH 7402 (Asbestos) (TNI)	☐
Hexavalent Chromium (OSHA ID-215) (Note if from spray paint operations)	☐
Metals (NIOSH 7300) (Specify Metals Under Comments)	☐
Other NIOSH 7300 _____	<input checked="" type="checkbox"/>

\* Modified NIOSH 7500 OSHA ID 142

Billing/Invoice Information	Turn Around Times <sup>^</sup>	
SAME <input checked="" type="checkbox"/>	90 Min. ☐	48 Hours ☐
Company:	3 Hours ☐	72 Hours ☐
Contact:	6 Hours ☐	96 Hours ☐
Address:	12 Hours ☐	120 Hours <input checked="" type="checkbox"/>
	24 Hours ☐	144 <sup>+</sup> Hours ☐
	<sup>^</sup> TATs not available for certain test types	
PO Number:		
Project Name/Number:	919103.001 GFC OSHA	

Sample ID #	Description/Location	Volume/Area	Comments
			As, Cd, Pb
105-W-13	1 <sup>st</sup> - 821	1 SF	As, Cd, Pb
105-W-14	1 <sup>st</sup> - J16	1 SF	As, Cd, Pb
105-W-16	1 <sup>st</sup> - J30	1 SF	As, Cd, Pb
105-W-17	1 <sup>st</sup> - L35	1 SF	As, Cd, Pb
105-W-18	Blank 8-22	1 SF	As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb
			As, Cd, Pb

Total # of Samples \_\_\_\_\_

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	8-23 1600		

Page \_\_\_\_\_ of \_\_\_\_\_



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

NIOSH 7300/EPA SW-846 3050B



**Client:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117

**Project:** 919083.001 GFC

**Attn:** Justin Arnold

**Lab Order ID:** 71923422  
**Date Received:** 09/09/2019  
**Date Reported:** 09/16/2019  
**Page:** 1 of 1

Sample ID	Description	Area (ft <sup>2</sup> )	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft <sup>2</sup> )
Lab Sample ID	Lab Notes					
105-W-19	2nc Floor Room 359 Column J 47 Top of Fridge	1	As	1.0	< 1.0	< 1.0
			Cd	0.10	1.0	1.0
71923422IPW_1			Pb	1.5	1.9	1.9
105-W-20	2 <sup>nd</sup> Floor Room 308 Column J 42 Top of Desk	1	As	1.0	< 1.0	< 1.0
			Cd	0.10	0.15	0.15
71923422IPW_2			Pb	1.5	2.3	2.3
105-W-21	2 <sup>nd</sup> Floor Room 349 Column G 45 Top of Fridge	1	As	1.0	1.1	1.1
			Cd	0.10	3.0	3.0
71923422IPW_3			Pb	1.5	6.7	6.7
105-W-22	2 <sup>nd</sup> Floor Rm 306 Column F 42 Top of Built in Cabinet	1	As	1.0	1.7	1.7
			Cd	0.10	2.8	2.8
71923422IPW_4			Pb	1.5	16	16
105-W-23	2 <sup>nd</sup> Floor Room 321 Column D 46 Top of Equipment	1	As	1.0	1.3	1.3
			Cd	0.10	2.4	2.4
71923422IPW_5			Pb	1.5	3.7	3.7
105-W-24	2 <sup>nd</sup> Floor Room 318 Column C 41 Top of Equipment	1	As	1.0	1.9	1.9
			Cd	0.10	54	54
71923422IPW_6			Pb	1.5	12	12
105-W-25	Blank	-	As	1.0	< 1.0	-
			Cd	0.10	< 0.10	-
71923422IPW_7			Pb	1.5	< 1.5	-

Melissa Ferrell

**Analyst**

(b) (7)(A)

**Lab Director**

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

NIOSH 7300/EPA SW-846 3050B



<b>Client:</b>	OCCU-TEC Inc. 2604 NE Industrial Drive, Suite 230 North Kansas City, MO 64117	<b>Attn:</b>	Justin Arnold	<b>Lab Order ID:</b>	71926046
				<b>Date Received:</b>	10/08/2019
<b>Project:</b>	919103 Bldg 105			<b>Date Reported:</b>	10/14/2019
				<b>Page:</b>	1 of 1

Sample ID	Description	Area (ft <sup>2</sup> )	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft <sup>2</sup> )
<i>Lab Sample ID</i>	<i>Lab Notes</i>					
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	-

Melissa Ferrell

**Analyst**

(b) (6)

**Lab Director**

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