



100 NW Business Park Lane
Riverside, MO 64150
Telephone: 816.231.5580
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April 30, 2018

Diane Czarnecki
Industrial Hygienist
Facilities Management Division
General Services Administration – Heartland Region

**Re: OSHA Side-By-Side Air and Wipe Samples
Goodfellow Federal Complex - Building 104**
4300 Goodfellow Boulevard
St. Louis, Missouri 63120

Ms. Czarnecki:

On April 3, 2018, OCCU-TEC, Inc. (OCCU-TEC) conducted a site-walk and collected side-by-side air and wipe samples for metals at various locations throughout Building 104 at the Goodfellow Federal Complex located at the above address. Sample locations were in close proximity to samples that were collected by representatives of the Occupational Safety and Health Administration (OSHA) during their site visit.

OCCU-TEC collected a total of four (4) indoor air samples and four (4) indoor wipe samples of various surfaces. Samples were analyzed for Resource Conservation and Recovery Act 7 Metals by NIOSH Method 7300.

Concentrations of chemicals of concern were detected in samples collected. Laboratory analytical results are attached to this report. If you have any questions, please contact me at (816) 994-3416. Thank you for choosing OCCU-TEC.

Best Regards,

(b) (6)

Kevin Heriford
Project Manager



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

NIOSH Method 7300



Client:	Occu-Tec, Inc. 100 NW Business Park Ln. Riverside, MO 64150	Attn: Clayton Goth	Lab Order ID: 11809175	
			Date Received: 04/13/2018	
Project:	GFC OSHA Split		Date Reported: 04/23/2018	
			Page: 1 of 2	

Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m ³)
Lab Sample ID	Lab Notes					
C9	Column C9	379.04	Ag**	Not Analyzed		
			As	0.25	< 0.25	< 0.66
			Ba*	0.025	0.19	0.50
			Cd	0.025	< 0.025	< 0.066
			Cr*	0.075	0.97	2.6
			Pb	0.13	< 0.13	< 0.34
			Se	0.25	< 0.25	< 0.66
11809175IPA_1						
E46	Column E46	399.64	Ag**	Not Analyzed		
			As	0.25	< 0.25	< 0.63
			Ba*	0.025	0.071	0.18
			Cd	0.025	< 0.025	< 0.063
			Cr**	Not Analyzed		
			Pb	0.13	< 0.13	< 0.33
			Se	0.25	< 0.25	< 0.63
11809175IPA_2						

Melissa Ferrell

Analyst

(b) (6)

Lab Director

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

NIOSH Method 7300



Client:	Occu-Tec, Inc. 100 NW Business Park Ln. Riverside, MO 64150	Attn:	Clayton Goth	Lab Order ID:	11809175
				Date Received:	04/13/2018
Project:	GFC OSHA Split			Date Reported:	04/23/2018
				Page:	2 of 2

Sample ID	Description	Volume (L)	Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/m ³)
Lab Sample ID	Lab Notes					
G45	Column G45	412	Ag**	Not Analyzed		
			As	0.25	< 0.25	< 0.61
			Ba*	0.025	0.16	0.39
			Cd	0.025	< 0.025	< 0.061
			Cr*	0.075	1.0	2.4
			Pb	0.13	< 0.13	< 0.32
			Se	0.25	< 0.25	< 0.61
11809175IPA_3						
J24	Column J24	479.98	Ag**	Not Analyzed		
			As	0.25	< 0.25	< 0.52
			Ba*	0.025	0.053	0.11
			Cd	0.025	< 0.025	< 0.052
			Cr*	0.075	3.2	6.7
			Pb	0.13	< 0.13	< 0.27
			Se	0.25	< 0.25	< 0.52
11809175IPA_4						

*Matrix matched QC showed media contribution of 0.71 µg Ba and 0.54 µg Cr

**Quality control for Ag failed after multiple analyses, no reportable results available

Melissa Ferrell

Analyst

(b) (6)

Lab Director

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

NIOSH 7300/EPA SW-846 3050B



Client: Occu-Tec, Inc. 100 NW Business Park Ln. Riverside, MO 64150	Attn: Clayton Goth	Lab Order ID: 11809176
Project: GFC OSHA Split		Date Received: 04/13/2018
		Date Reported: 04/23/2018
		Page: 1 of 2

Sample ID	Description	Area (ft ²)	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft ²)
Lab Sample ID	Lab Notes				Concentration (µg)	Concentration (µg/ft ²)
Wipe 1	Contractor scaffold	1	Ag**	Not Analyzed		
			As	0.25	< 0.25	< 0.25
			Ba*	0.050	170	170
			Cd	0.050	< 0.050	< 0.050
			Cr*	0.10	1.2	1.2
			Pb	0.25	0.95	0.95
			Se	2.5	< 2.5	< 2.5
11809176IPW_1						
Wipe 3	Shelf at E16	1	Ag**	Not Analyzed		
			As	0.25	< 0.25	< 0.25
			Ba*	0.050	8.1	8.1
			Cd	0.050	0.39	0.39
			Cr*	0.10	2.3	2.3
			Pb	0.25	1.8	1.8
			Se	2.5	< 2.5	< 2.5
11809176IPW_2						
Wipe 4	File cart 41	1	Ag**	Not Analyzed		
			As	0.25	0.54	0.54
			Ba*	0.050	38	38
			Cd	0.050	0.27	0.27
			Cr*	0.10	0.48	0.48
			Pb	0.25	2.2	2.2
			Se	2.5	< 2.5	< 2.5
11809176IPW_3						

Daniel Olson

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 7300/EPA SW-846 3050B



Client: Occu-Tec, Inc. 100 NW Business Park Ln. Riverside, MO 64150	Attn: Clayton Goth	Lab Order ID: 11809176
Project: GFC OSHA Split		Date Received: 04/13/2018
		Date Reported: 04/23/2018
		Page: 2 of 2

Sample ID	Description	Area (ft ²)	*Element	Reporting Limit (µg)	Concentration	
Lab Sample ID	Lab Notes				(µg)	(µg/ft ²)
Wipe 5	Top of locker 176	1	Ag**	Not Analyzed		
			As	0.25	0.45	0.45
			Ba*	0.050	4.4	4.4
			Cd	0.050	0.059	0.059
			Cr*	0.10	< 0.10	< 0.10
			Pb	0.25	0.38	0.38
11809176IPW_4			Se	2.5	< 2.5	< 2.5

*Matrix matched QC showed media contribution of 0.71 µg Ba and 0.54 µg Cr

**Quality control for Ag failed after multiple analyses, no reportable results available

Daniel Olson

Analyst

(b) (6)

Lab Director

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 www.sailab.com lab@sailab.com

Lab Use Only
 Lab Order ID: 11809176
 Client Code: _____

Company Contact Information	
Company: <u>Occu-tec, Inc.</u>	Contact: <u>Clayton Goth</u>
Address: <u>100 NW Business Park Lane</u>	Phone <input type="checkbox"/> : <u>816-519-5242</u>
<u>Riverside, MO 64150</u>	Fax <input type="checkbox"/> :
	Email: <u>cgoth@occutec.com</u>

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 checked="" 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: <u>OSHA 1256 / NIOSH 7300</u>	<input checked="" type="checkbox"/>
* Modified NIOSH 7500/OSHA ID 142	

Billing/Invoice Information	Turn Around Times [^]	
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 type="checkbox"/>
	24 Hours <input type="checkbox"/>	144 ⁺ Hours <input checked="" type="checkbox"/>
	[^] TATs not available for certain test types	
PO Number: <u>418004</u>		
Project Name/Number: <u>GFC OSHA Split</u>		

Sample ID #	Description/Location	Volume/Area	Comments
Wipe 1	Contractor Scaffold	1sf	RCRA 8 Is not included Mercury
Wipe 3	Shelf @ E16	1sf	
Wipe 4	File Cart 41	1sf	
Wipe 5	Top of Lockers 176	1sf	
C9	Column C9	379.04L	
E46	Column E46	399.64L	
G45	Column G45	412 L	
J24	Column J24	479.98L	
			Accepted <input checked="" type="checkbox"/>
			Rejected <input type="checkbox"/>

Total # of Samples 8

Relinquished by <u>(b) (6)</u>	Date/Time <u>4/6/18</u>	Received by <u>(b) (6)</u>	Date/Time <u>4/13/18</u> <u>10:30 AM</u>
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