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 (μg/sf) of Arsenic, 0.059 μg/sf of Cadmium, and 0.38 μg/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,

Justin Arnold, CIEC
Project Manager

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: Justin Arnold
Lab Order ID: 71919997
Analysis ID: 1919997_PCM
Date Received: 7/30/2019
Date Reported: 8/3/2019

Project: 919103 - Building 103D-GFC

<table>
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<th>Sample ID</th>
<th>Description</th>
<th>Volume</th>
<th>Fibers</th>
<th>Filter Area</th>
<th>LOD</th>
<th>Conc.</th>
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<td>Lab Notes</td>
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<tr>
<td>103D-AA-01</td>
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<td>627 L</td>
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<td>&lt; 7.0</td>
<td>0.0043</td>
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<td></td>
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<tr>
<td>103D-AA-02</td>
<td>Blank</td>
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<td>&lt; 7.0</td>
<td>N/A</td>
<td>N/A</td>
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<td>385 mm²</td>
<td>100</td>
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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)

H-F-013 EXP. 7-15-19
Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Page 1 of 1
### Scientific Analytical Institute
4604 Dundas Dr. Greensboro, NC 27407
Phone: 336.292.3888    Fax: 336.292.3313
www.sailab.com    lab@sailab.com

#### Company Contact Information
- **Company:** OCCU-TEC
- **Address:** 2804 NE Industrial Drive Suite 230
  North Kansas City, MO 64117
- **Contact:** Justin Arnold
  **Phone:** 814-810-3274
- **Fax:**
- **Email:** jarnold@occutec.com

#### Billing/Invoice Information
- **Company:** Same
- **Contact:**
- **Address:**

#### Turn Around Times
- **90 Min.**
- **48 Hours**
- **3 Hours**
- **72 Hours**
- **6 Hours**
- **96 Hours**
- **12 Hours**
- **120 Hours** ✓
- **24 Hours**
- **144* Hours**

#### PO Number:
- **Project Name/Number:** 99103 - Building 103D - CFC

### Asbestos Test Types
- **PLM EPA 900/R-93/116 (PLM)**
- **Positive stop**
- **PLM Point Count 400 (PT4)**
- **PLM Point Count 1000 (PTM)**
- **PCM NIOSH 7400-A Rules (PCM)**
- **B Rules (PCB)**
- **TWA (PTA)**
- **TEM AHERA (AHE)**
- **TEM Level II (LII)**
- **TEM NIOSH 7402 (TNII)**
- **TEM Bulk Qualitative (TBL)**
- **TEM Bulk Chatfield (TBS)**
- **TEM Bulk Quantitative (TBQ)**
- **TEM Wipe ASTM D6480-05**
- **TEM Microvac ASTM D5755-02**
- **TEM Water EPA 100.2 (TWI)**
- **Other:**

#### Sample Information
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<tr>
<td>103D-AA-03</td>
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#### Total # of Samples: 3

#### Relinquished by
- **(b) (6)**
- **Date/Time:** 7-29-19

#### Received by
- **(b) (6)**
- **Date/Time:** 7-30-19

#### Accepted ✓

#### Page 1 of 1
Airborne Metals Concentration
by Inductively-Coupled Plasma Analysis (ICP)
NIOSH Method 7303

<table>
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<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Volume (L)</th>
<th>Element</th>
<th>Reporting Limit (µg)</th>
<th>Concentration (µg)</th>
<th>Concentration (µg/m³)</th>
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<tr>
<td>103D-MctA-01</td>
<td>1st Floor Nurse Area – Waiting Room</td>
<td>629.5</td>
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<td>&lt; 0.40</td>
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<td>Pb</td>
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<td>&lt; 0.21</td>
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<td>As</td>
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<td>Cd</td>
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<tr>
<td>71919909IPA_2</td>
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<td></td>
<td>Pb</td>
<td>0.13</td>
<td>&lt; 0.13</td>
<td>-</td>
</tr>
</tbody>
</table>
Company Contact Information
Company: OCCU-TEC
Contact: Justin Arnold
Address: 2604 NE Industrial Drive, Suite 236
North Kansas City, MO 64117

PO Number:

Billing/Invoice Information
Company: Sailab
Contact:
Address:

Asbestos Test Types
PLM EPA 600/R-93/116 (PLM) [ ]
Positive stop [ ]
PLM Point Count 406 (PT4) [ ]
PLM Point Count 1000 (PTM) [ ]
PCM NIOSH 7400-A Rules (PCM) [ ]
B Rules (PCB) [ ]
TWA (PTA) [ ]
TEM AHERA (AHE) [ ]
TEM Level II (LII) [ ]
TEM NIOSH 7402 (TNI) [ ]
TEM Bulk Qualitative (TBL) [ ]
TEM Bulk Chatfield (TBS) [ ]
TEM Bulk Quantitative (TBQ) [ ]
TEM Wipe ASTM D5480-05 [ ]
TEM Microvac ASTM D5755-02 [ ]
TEM Water: EPA 100.2 (TW1) [ ]
Other: NIOSH 7303 [ ]

Sample ID # | Volume/Area | Comments |
--- | --- | --- |
1030-MCIA-01 | 629.5 L | As, Cd, Pb |
1030-MCIA-02 | NA | As, Cd, Pb |

Turn Around Times
| Time | Hours |
--- | --- |
90 Min. | ☑ |
3 Hours | ☑ |
6 Hours | ☑ |
12 Hours | ☑ |
24 Hours | ☑ |
48 Hours | ☑ |
72 Hours | ☑ |
96 Hours | ☑ |
120 Hours | ☑ |
144 Hours | ☑ |
120 Hours | ☑ |

Accepted [ ]
Rejected [ ]

Total # of Samples 2

Relinquished by (b) (6)
Date/Time 7-29-17
Received by (b) (6)
Date/Time 7/30/10:30A

Page 1 of 1
METALS IN SETTLED DUST RESULTS
**Dust Wipe Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)**

**NIOSH 7300/EPA SW-846 3050B**

---

**Client:** OCCU-TEC Inc.  
**Attn:** Justin Arnold  
**Lab Order ID:** 71919999  
**Date Received:** 07/30/2019  
**Date Reported:** 08/06/2019  
**Project:** 919103-Building 103D-GFC

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<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Area (ft²)</th>
<th>*Element</th>
<th>Reporting Limit (µg)</th>
<th>Concentration (µg)</th>
<th>Concentration (µg/ft²)</th>
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<tr>
<td>103D-MctW-01</td>
<td>Nurse office file cabinet – 1st floor</td>
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<tr>
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<td></td>
<td>Pb</td>
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<td>0.38</td>
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<tr>
<td>103D-MctW-02</td>
<td>2nd Floor column P32 – windowsill</td>
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<td>As</td>
<td>0.50</td>
<td>0.52</td>
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<td>Pb</td>
<td>0.25</td>
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<td></td>
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<td>Pb</td>
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</table>

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**Melissa Ferrell**  
Analyst

**Lab Director**

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*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.
**Company Contact Information**

Company: OCCU-TEC Inc  
Address: 2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117  
Contact: Justin Arnold  
Phone #: 816-210-3274  
Fax #: Email: jamie@occutec.com

**Billing/Invoice Information**

Company: Same  
Contact:  
Address:  

**Turn Around Times**

- 90 Min.  
- 3 Hours  
- 6 Hours  
- 12 Hours  
- 24 Hours  
- 48 Hours  
- 72 Hours  
- 96 Hours  
- 120 Hours  
- 144 Hours

**PO Number:**

Project Name/Number: 919103 - Building 1030 - 6FC

---

**Sample ID #**

<table>
<thead>
<tr>
<th>Sample ID #</th>
<th>Location/Description</th>
<th>Volume/Area</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>1030-M1W-01</td>
<td>Nurse Office File Cabinet - 1st floor</td>
<td>15F</td>
<td>As, Cd, Pb</td>
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<tr>
<td>1030-M1W-02</td>
<td>2nd floor Column P32 - Window S: 1L</td>
<td>15F</td>
<td>As, Cd, Pb</td>
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<td>1030-M1W-03</td>
<td>BLANK</td>
<td>NA</td>
<td>As, Cd, Pb</td>
</tr>
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**Asbestos Test Types**

- PLM EPA 600/93/116 (PLM)  
- Positive stop  
- PLM Point Count 400 (PT4)  
- PLM Point Count 1000 (PTM)  
- PCM NIOSH 7400-A Rules (PCM)  
- B Rules (PCB)  
- TEM Level II (LII)  
- TEM NIOSH 7402 (TNI)  
- TEM Bulk Qualitative (TBL)  
- TEM Bulk Quantitative (TBQ)  
- TEM Wipe ASTM D6480-05  
- TEM Microwav ASTM D3755-02  
- TEM Water EPA 100.2 (TWA)  
- NIOSH 7500

**Comments**

- Accepted  
- Rejected

**Date/Time:** 7-29-19  
**Reported by:** (b) (6)  
**Date/Time:** (b) (6)  

**Page 1 of 1**