

2604 NE Industrial Drive, Suite 230 North Kansas City, Missouri 64117 Telephone: 816.231.5580 Fax: 816.231.5641 www.occutec.com

June 11, 2019

Ms. Diane Czarnecki Industrial Hygienist Facilities Management Division GSA Public Buildings Service – Heartland Region 2300 Main Street Kansas City, Missouri 64108

RE: Goodfellow Federal Center - Metals in Air Investigation Building – #105 4300 Goodfellow Boulevard St. Louis, Missouri 63120 OCCU-TEC Project No. 919083

Dear Ms. Czarnecki:

Thank you for the opportunity to assist the General Services Administration (GSA) with the Resource Conservation and Recovery Act (RCRA) metals air sampling investigation of the above referenced buildings located at the Goodfellow Federal Center, in St. Louis, Missouri. OCCU-TEC understands that the purpose of the investigation was to provide sampling data regarding pre-existing conditions noted in investigation reports previously prepared for the facility. The following report summarizes the sample collection activities and the laboratory analytical results of the samples submitted.

On May 14, 2019, Missouri licensed air sampling professionals from OCCU-TEC conducted air sampling for the presence of seven of the RCRA metals including Silver, Arsenic, Barium, Cadmium, Chromium, Lead, and Selenium. Sampling was conducted on Building #105.

The proposed sampling scheme, the numbers of samples, sample distribution and general methodology was developed based on previous investigation methodology and in coordination with the GSA. Sample locations were determined by OCCU-TEC field personnel while on-site.

Resource Conservation and Recovery Act Metals Air Sampling

Air sampling for RCRA metals was collected on 37-millimeter (mm) cassettes with 0.8 micrometer (µm) mixed cellulose ester (MCE) filters using powered air sampling pumps in accordance with National Institute for Occupational Safety and Health (NIOSH) sampling methods. Samples were collected in a method sufficient to collect a minimum sample volume of 300 liters. Air samples were submitted under chain-of-custody to Scientific Analytical Institute, Inc. (SAI), for independent analysis of RCRA metals in accordance with NIOSH Method 7300. SAI is accredited by the American Industrial Hygiene Association (AIHA) utilizing the Industrial Hygiene Proficiency Analytical Testing (IHPAT) program. SAI's IHPAT Laboratory ID is 173190.

Results of the air sampling are summarized in the table below by identifying the range of results for Building #105 for each of the seven metals that were sampled. Samples with a "<" sign indicate that the results were below the laboratory's method reporting limit.

| Analysis | Lowest | Highest |
|-----------------------|---------------|---------------|
| | Concentration | Concentration |
| | $(\mu g/m^3)$ | $(\mu g/m^3)$ |
| Silver (Ag) | < 0.64 | < 0.64 |
| Arsenic (As) | < 0.64 | < 0.64 |
| Barium (Ba) | < 0.097 | < 0.097 |
| Cadmium (Cd) | < 0.064 | 0.071 |
| Total Chromium (Cr) * | < 0.64 | 0.82 |
| Lead (Pb) | < 0.33 | < 0.33 |
| Selenium (Se) | < 0.64 | < 0.64 |

* The laboratory reported trace amounts of total chromium above the laboratory detection limit on many samples, including field blanks. According to the lab, low levels of Chromium can be found as a contaminant in varying levels on MCE filters for different manufacturers and lots.

Results of the air samples collected indicate that the air samples collected from Building #105 contained concentrations of RCRA metals below the laboratory's method reporting limit and the OSHA Permissible Exposure Limit (PEL) with the exception of Cadmium and total Chromium. As previously noted, the elevated total Chromium results were likely due to contaminated MCE filter media. Sample location diagrams are included in Appendix A. Sample locations and the corresponding results are summarized in the laboratory analytical results that are included in Appendix B. The air sampling professional's Missouri Lead license is in included in Appendix C.

It should be noted that this air sampling investigation was only a screening of airborne RCRA metals and should not be interpreted or used to determine compliance or non-compliance with OSHA personnel monitoring regulations.

OCCU-TEC appreciates the opportunity to work with GSA on this project. If you have any questions concerning this report, or if we may be of any additional service, please feel free to contact us.

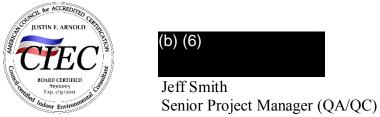
Sincerely,



Justin Arnold, CIEC Environmental Scientist

Appendices:

- A: Sample Location Diagrams
- B: Laboratory Analytical Results and Chain of Custody Documentation
- C: Qualifications and Licenses



Appendix A Sample Location Diagrams



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Figure 1: Air Sample Location Maps—1st Floor bldg. 105 Goodfellow Federal Center 4300 Goodfellow Boulevard St. Louis, Missouri Project Number: 919083

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Figure 2: AirSample Location Maps—2nd Floor bldg. 105 Goodfellow Federal Center 4300 Goodfellow Boulevard St. Louis, Missouri Project Number: 919083

Appendix B Laboratory Analytical Results and Chain of Custody Documentation





NIOSH Method 7303



| Client: | Occu-Tec Inc. | Attn: | Justin Arnold | Lab Order ID: | 71913723 |
|----------|-------------------------------------|-------|---------------|----------------|------------|
| | 2604 NE Industrial Drive, Suite 230 | | | Date Received: | 05/22/2019 |
| | North Kansas City, MO 64117 | | | Date Reported: | 06/10/2019 |
| Project: | 919083.001 GFC | | | Page: | 1 of 14 |

| Sample ID | Sample ID Description | | Element | Reporting | Concentration | Concentration |
|---------------|-----------------------|-----------------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | - Volume (L) | | Limit (µg) | (µg) | (µg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A01 | LL E52 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722004 1 | 1010500004 | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_1 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A02 | LL C48 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.31 | 0.79 |
| | |] | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_2 | | | Se | 0.25 | < 0.25 | < 0.64 |

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(b) (6) Lab Director

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| Project: | 919083.001 GFC | | | Page: | 2 of 14 |

| Sample ID | le ID Description Vo | | Element | Reporting | Concentration | Concentration |
|---------------|----------------------|-----|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (μg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A03 | LL E43 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | _ | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722004 2 | 1012720104 | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_3 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A04 | LL G40 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.28 | 0.71 |
| 71012722004 4 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_4 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| Project: | 919083.001 GFC | | | Page: | 3 of 14 |

| Sample ID | Sample ID Description Volu | | Element | Reporting | Concentration | Concentration |
|---------------|----------------------------|-----|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (µg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A05 | LL D35 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | 0.028 | 0.071 |
| | | | Cr | 0.25 | 0.25 | 0.64 |
| 71012722104 5 | 71913723IPA_5 | | Pb | 0.13 | < 0.13 | < 0.33 |
| /1913/23IPA_3 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A06 | LL B31 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012723004 (| |] | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_6 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| Project: | 919083.001 GFC | | | Page: | 4 of 14 |

| Sample ID | Sample ID Description | | Element | Reporting | Concentration | Concentration |
|----------------------|-----------------------|-----------------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | - Volume (L) | | Limit (µg) | (μg) | (μg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A07 | LL F31 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722004 7 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_7 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A08 | LL H20 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722004 0 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_8 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| | North Kansas City, MO 64117 | | | Date Reported: | 06/10/2019 |
| Project: | 919083.001 GFC | | | Page: | 5 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (µg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A09 | LL D15 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.30 | 0.77 |
| 71012722104 0 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_9 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A10 | LL H10 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722104 10 | |] | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_10 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (μg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A11 | LL A9 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.28 | 0.71 |
| 71012722004 11 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_11 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A12 | LL H5 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722004 12 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_12 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| | North Kansas City, MO 64117 | | | Date Reported: | 06/10/2019 |
| Project: | 919083.001 GFC | | | Page: | 7 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (μg) | (μg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A13 | LL G1 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.28 | 0.71 |
| 71012722004 12 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_13 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A14 | UL D4 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722104 14 | |] | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_14 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| Project: | 919083.001 GFC | | | Page: | 8 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (µg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A15 | UL B10 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722104 15 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_15 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A16 | UL F16 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | 0.026 | 0.066 |
| | | | Cr | 0.25 | 0.27 | 0.69 |
| 71012722104 16 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_16 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (μg) | (μg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A17 | UL H19 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.31 | 0.79 |
| 71012722004 17 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_17 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A18 | UL J27 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722004 19 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_18 | | | Se | 0.25 | < 0.25 | < 0.64 |

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| Project: | 919083.001 GFC | | | Page: | 10 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (μg) | (μg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A19 | UL D28 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722104 10 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_19 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A20 | UL C34 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.32 | 0.82 |
| 71012722104 20 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_20 | | | Se | 0.25 | < 0.25 | < 0.64 |

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NIOSH Method 7303



| Client: | Occu-Tec Inc. | Attn: | Justin Arnold | Lab Order ID: | 71913723 |
|----------|-------------------------------------|-------|---------------|----------------|------------|
| | 2604 NE Industrial Drive, Suite 230 | | | Date Received: | 05/22/2019 |
| | North Kansas City, MO 64117 | | | Date Reported: | 06/10/2019 |
| Project: | 919083.001 GFC | | | Page: | 11 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (µg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A21 | UL J39 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | 0.27 | 0.69 |
| 71913723IPA_21 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| /1913/23IPA_21 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A22 | UL G42 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71913723IPA_22 | |] | Pb | 0.13 | < 0.13 | < 0.33 |
| /1913/23IPA_22 | | | Se | 0.25 | < 0.25 | < 0.64 |

Melissa Ferrell

(b) (6)

Analyst

Lab Director

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NIOSH Method 7303



| Client: | Occu-Tec Inc. | Attn: | Justin Arnold | Lab Order ID: | 71913723 |
|----------|-------------------------------------|-------|---------------|----------------|------------|
| | 2604 NE Industrial Drive, Suite 230 | | | Date Received: | 05/22/2019 |
| | North Kansas City, MO 64117 | | | Date Reported: | 06/10/2019 |
| Project: | 919083.001 GFC | | | Page: | 12 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (μg/m ³) |
| | | | Ag | 0.25 | < 0.25 | < 0.64 |
| | | | As | 0.25 | < 0.25 | < 0.64 |
| 105-A23 | UL F48 | | Ba | 0.038 | < 0.038 | < 0.097 |
| | | 392 | Cd | 0.025 | < 0.025 | < 0.064 |
| | | | Cr | 0.25 | < 0.25 | < 0.64 |
| 71012722104 22 | | | Pb | 0.13 | < 0.13 | < 0.33 |
| 71913723IPA_23 | | | Se | 0.25 | < 0.25 | < 0.64 |
| | | | Ag | 0.25 | < 0.25 | < 0.88 |
| | | | As | 0.25 | < 0.25 | < 0.88 |
| 105-A24 | UL C49 | | Ba | 0.038 | < 0.038 | < 0.13 |
| | | 283.2 | Cd | 0.025 | < 0.025 | < 0.088 |
| | | | Cr | 0.25 | < 0.25 | < 0.88 |
| 71913723IPA_24 | | | Pb | 0.13 | < 0.13 | < 0.46 |
| /1913/23IFA_24 | | | Se | 0.25 | < 0.25 | < 0.88 |

Melissa Ferrell

(b) (6) Lab Director

Analyst

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NIOSH Method 7303



| Client: | Occu-Tec Inc. | Attn: | Justin Arnold | Lab Order ID: | 71913723 |
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| | 2604 NE Industrial Drive, Suite 230 | | | Date Received: | 05/22/2019 |
| | North Kansas City, MO 64117 | | | Date Reported: | 06/10/2019 |
| Project: | 919083.001 GFC | | | Page: | 13 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (µg/m ³) |
| | | | Ag | 0.25 | < 0.25 | |
| | | | As | 0.25 | < 0.25 | |
| 105-A25 | FB | | Ba | 0.038 | < 0.038 | |
| | | - | Cd | 0.025 | < 0.025 | |
| | | | Cr | 0.25 | 0.28 | |
| 71012722004 25 | | | Pb | 0.13 | < 0.13 | |
| 71913723IPA_25 | | | Se | 0.25 | < 0.25 | |
| | | | Ag | 0.25 | < 0.25 | |
| | | | As | 0.25 | < 0.25 | |
| 105-A26 | FB | | Ba | 0.038 | < 0.038 | |
| | | - | Cd | 0.025 | < 0.025 | |
| | | | Cr | 0.25 | 0.26 | |
| 71012722004 26 | |] | Pb | 0.13 | < 0.13 | |
| 71913723IPA_26 | | | Se | 0.25 | < 0.25 | |

Melissa Ferrell

(b) (6)

Analyst

Lab Director

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NIOSH Method 7303



| Client: | Occu-Tec Inc. | Attn: | Justin Arnold | Lab Order ID: | 71913723 |
|----------|-------------------------------------|-------|---------------|----------------|------------|
| | 2604 NE Industrial Drive, Suite 230 | | | Date Received: | 05/22/2019 |
| | North Kansas City, MO 64117 | | | Date Reported: | 06/10/2019 |
| Project: | 919083.001 GFC | | | Page: | 14 of 14 |

| Sample ID | Description | Volume | Element | Reporting | Concentration | Concentration |
|----------------|-------------|--------|---------|---------------|---------------|----------------------|
| Lab Sample ID | Lab Notes | (L) | | Limit (µg) | (µg) | (µg/m ³) |
| | | | Ag | 0.25 | < 0.25 | |
| | | | As | 0.25 | < 0.25 | |
| 105-A27 | FB | | Ba | 0.038 | < 0.038 | |
| | | - | Cd | 0.025 | < 0.025 | |
| | | | Cr | 0.25 | < 0.25 | |
| 71913723IPA 27 | | | Pb | 0.13 | < 0.13 | |
| /1913/23IFA_2/ | | | Se | 0.25 | < 0.25 | |

Melissa Ferrell

Analyst

(b) (6) _____

Lab Director

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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: 79372 | þ |
|-------------------------------------|---|
| Client Code: | |

| Company Contact Information | |
|--|----------------------------|
| Company: OCCU-TEC Inc. | Contact: Justin Arnold |
| Address: 2604 NE Industrial Drive, Suite 230 | Phone :816-810-3276 |
| North Kansas City, MO 64117 | Fax 🗆:816-994-3478 |
| | Email :jarnold@occutec.com |

| Billing/Invoice Information | Turn Around Times [^] |
|-----------------------------|---|
| SAME | 90 Min. 48 Hours |
| | 3 Hours 72 Hours |
| Company: | 6 Hours 96 Hours |
| Contact: | 12 Hours 120 Hours |
| Address: | 24 Hours 🔲 144 ⁺ Hours 🔳 |
| | TATs not available for certain test types |

| 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 6010 C | M | |
| * Modified NIOSH 7500/OSHA ID 142 | ? | |

PO Number:

Project Name/Number:919083.001 GFC

| Sample ID # | Description/Location | Volume/Area | Comments |
|--------------|----------------------|-------------|----------------------------|
| 105-A-01 | 11 E52 | 3926 | Ag, As, Ba, Cd, Cr, Pb, Se |
| | 11 148 | 3922 | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-01 | | 3912 | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-03 | LL E43 | 3911 | Ag, As, Ba, Cd, Cr, Pb, Se |
| 05-A-07 | <u>LL 640</u> | 392L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-05 | LL 035 | 3921_ | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-06 | LL B31 | | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-07 | LL F31 | 3926 | |
| 105-A-08 | LL HLO | L_ | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-01 | LL D15 | 392 2 | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-10 | LI_ 1410 | 391LL | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105 - A - 11 | LL A9 | 392 L | Ag, As, Ba, Cd, Cr, Pb, Se |
| | LL HS | 3926 | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-12 | | 392 L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-13 | | | Total # of Samples |

| 1 | Relinquished by | Date/Time | Received by | Date/Time |
|---------|-----------------|---------------|--------------------|-----------------------|
| (b) (6) | | 5/15/19 17:00 | (b) (6) | 5-10102000 |
| | | | | Pageof |
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| | | noje | sted | |



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: 7191378 Client Code: _____

| | www.sailab.com lab@sailab.com | Volume/Area | Comments |
|-------------|-------------------------------|-------------|-------------------------------------|
| Sample ID # | Description/Location | 392L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-14 | UL D4 | 391 L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-15 | IL GIO | 392 L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-16 | UL FIG | 392 L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-17 | VI H19 | 392 L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-19 | <u>UI_J21</u> | 392L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-19 | UL 028 | 392 I_ | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-20 | UL C34 | 3922 | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-21 | <u>UL J39</u> | 392L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-22 | UL UL | 392L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-23 | UL FOLLS | 283.2 L | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-24 | UL CHG | AULA | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-25 | FR | | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-26 | FG | AriA | Ag, As, Ba, Cd, Cr, Pb, Se |
| 105-A-27 | FR | ///// | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pb, Se |
| | | | Ag, As, Ba, Cd, Cr, Pesp,e |
| | | | Page \rightarrow of \rightarrow |

Appendix C Qualifications and Licenses



STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Justin E. Arnold

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

> Lead Risk Assessor Category of License

Issuance Date: Expiration Date: License Number: 6/11/2018 6/11/2020 120611-300003622

(b) (6)

Randall W. Williams, MD, FACOG Director Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102