



July 23, 2020

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

Re: Goodfellow Federal Center
Metals in Settled Dust Sampling – Building 105
Project No. 121244

Dear Ms. Czarnecki:

Thank you for the opportunity to assist the General Services Administration (GSA) with the metals in settled dust sampling investigation of Building 105 located at the Goodfellow Federal Center (GFC) in St. Louis, Missouri. Burns & McDonnell understands that the purpose of the investigation was to provide additional sampling data of existing environmental conditions that are present at GFC that could adversely impact the health and safety of building occupants as well as workers at the facility. The following report summarizes the sample collection activities and the laboratory analytical results of samples submitted.

INTRODUCTION

Per historical use and previous characterization, Burns & McDonnell was contracted to perform settled dust sampling for the analysis of seven (7) of the Resource Conservation and Recovery Act (RCRA) target metals (arsenic, barium, cadmium, chromium, lead, selenium, and silver) from various surfaces within buildings. The purpose of this testing was to further characterize the presence and concentration of target metals in common tenant-occupied areas of the building.

The proposed sampling scheme, the number of samples, the sample distribution and general methodology was developed by GSA and Burns & McDonnell. Specific sample locations were determined by sampling personnel while on-site.

Settled dust wipe sampling at Bldg. 105 was conducted on June 24, 2020 by Emily Ahlemeyer of Burns & McDonnell and Jeff Smith of OCCU-TEC.

METALS IN SETTLED DUST SAMPLING

Metals in settled dust sampling was conducted primarily within tenant-occupied areas. Dust wipe sampling was conducted in accordance with ASTM Standard E1728: *Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Lead Determination*. ASTM Standard E1728 is consistent with the methodology described in the Housing and Urban Development Guidelines and 40 CFR 745.63. The Brookhaven National Laboratory's Surface Wipe Sampling Procedure (IH75190) was also used as a guideline.



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Dust wipe sampling for the target metals was conducted on a variety of representative surfaces that have the potential of being disturbed by building occupants. A representative surface area of approximately one square foot (1 SF) was measured and delineated with plastic templates. The dust wipe samples were collected using dedicated dust wipe cloths meeting ASTM E1792 Standard. Each dust wipe cloth was pre-moistened and individually wrapped. Each sample was collected by wiping in a back and forth “S” pattern over a measured sampling area using a clean, disposable glove. Then, the wipe was folded over itself and the area was wiped again in a direction perpendicular to the first wipe orientation. Then, the wipe folded over itself again and the area was wiped around the perimeter. The wipe sample was then placed into a labeled, clean container. Dust wipe samples were submitted to Environmental Hazards Services, LLC (EHS) in Richmond, Virginia for Inductively Coupled Plasma (ICP) analysis of metals analysis using Environmental Protection Agency (EPA) method SW846 3050B/6010D. EHS is accredited under the American Industrial Hygiene Association (AIHA) Laboratory Accreditation Program (LAP) identification number LAP-100420.

Whereas the Occupational Safety and Health Administration (OSHA) has not established regulatory limits for surface concentrations of metals, the OSHA Technical Manual Section II: Chapter 2 (III.A) describes a method for calculating “housekeeping” standards, as recommended acceptable surface limits. Brookhaven’s IH75190 procedure uses the housekeeping standards to derive a lower, “clean area limit” for non-operational areas that can be accessed or contacted without special training or precautions. Burns & McDonnell calculated clean area limits for metals not included in the Brookhaven procedure, specifically barium, chromium (total), selenium and silver. Wipe results were compared to the Brookhaven procedure’s clean area limits for each metal.

Results of the dust wipe samples collected from the building indicate that sixteen (16) of the thirty-two (32) samples contained concentrations of target metals above laboratory reporting limits. The following table identifies the range of results for each of the seven metals that were analyzed. Samples with a “<” sign indicate that the results were below the lab’s reportable limit.

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Table 1. Summary of Dust Wipe Results

Analyte	Lowest Concentration ^(a) (µg/sq. ft) ^(b)	Highest Concentration ^(a) (µg/sq. ft) ^(b)	Clean Area Limit ^(c) µg/sq. ft ^(b)
Silver	<2.0	5.8	62
Arsenic	<2.0	<2.7	62
Barium	<2.0	110	3,094
Cadmium	<2.0	4.5	31
Chromium (Total)	<2.0	26	3,094
Lead	<2.0	63	10 ^(d)
Selenium	<5.0	<6.9	1,236

- (a) Samples with a “<” sign indicate that the results were below the reportable limit.
- (b) µg/sq. ft = micrograms per square foot of surface area.
- (c) Clean Area Limit per Brookhaven IH75190=OSHA Housekeeping Limit [PEL (µg/m³) x 10 m³/100cm²] / 15.
- (d) Lead clean area limit: Brookhaven references EPA/HUD limit for floors, set at 10 µg/sq. ft. as of January 2020.

Five (5) samples exceeded the lead clean area limit. Samples 105-W-05, 105-W-17, 105-W-18, 105-W-19, and 105-W-26 resulted in lead concentrations of 19, 19, 62, 63, and 34 µg/sq. ft, respectively. The remaining target metal sample results were below housekeeping and clean area limits, as recommended and described by OSHA and the Brookhaven Procedure.

Burns & McDonnell appreciates the opportunity to work with the GSA on this project. Please contact us if you have any questions regarding this report or if we may be of any additional service.

Sincerely,

(b) (6)

Matt Shanahan, CHMM
 Project Manager

- Attachments:
- Appendix A – Sample Summary Table
 - Appendix B – Laboratory Analysis Report
 - Appendix C – Licenses

APPENDIX A – SAMPLE SUMMARY TABLE

Appendix A
Sample Summary Table

Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-01	1st Floor North Lobby	NE Corner Lobby Floor	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	4.4	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	4.2	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-02	1st Floor Office Area	Top of file cabinet, column H8	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-03	1st Floor Break Room	Floor near column B9	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Sample Summary Table

Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-04	1st Floor Break Room	Top of vending machine, column B9	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	5.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-05	1st Floor Freight Elevator	Threshold floor, column B16	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	35	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	2.7	µg/ft ²	3,094
			Lead	19	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-06	1st Floor Office Area	Top of tall cabinet, column C15	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-07	1st Floor Hallway	Floor on ramp near column H27	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	3.7	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-08	1st Floor Hallway	Window sill near column J38	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-09	2nd Floor Break Room	Top of fridge near column E26	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-10	2nd Floor Hallway	Floor under fountain, column G26	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-11	2nd Floor Office Area	Top of cabinet at column F18	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-12	2nd Floor Hallway	Floor outside stairwell, column C17	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-13	2nd Floor Break Room	Top of cabinets at column B18	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	23	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	5.2	µg/ft ²	3,094
			Lead	6.4	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-14	2nd Floor Hallway	Floor near janitor closet, column H8	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-15	1st Floor Office Area	Floor under desk, column F53	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-16	1st Floor Office Area	Shelf near column G53	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	3.4	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-17	1st Floor Warehouse	Shelf near column E47	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	25	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	3.8	µg/ft ²	3,094
			Lead	19	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-18	1st Floor Warehouse	Floor near column H46	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	110	µg/ft ²	3,094
			Cadmium	4.5	µg/ft ²	31
			Chromium	17	µg/ft ²	3,094
			Lead	62	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-19	1st Floor Warehouse	Floor near column H48, peeling paint	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	69	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	9.7	µg/ft ²	3,094
			Lead	63	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-20	1st Floor Processing Area	Floor under table, column B47	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	5.3	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	26	µg/ft ²	3,094
			Lead	2.5	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-21	1st Floor Loading Dock	Brick ledge near column B52	Silver	< 2.7	µg/ft ²	62
			Arsenic	< 2.7	µg/ft ²	62
			Barium	13	µg/ft ²	3,094
			Cadmium	< 2.7	µg/ft ²	31
			Chromium	3.0	µg/ft ²	3,094
			Lead	5.4	µg/ft ²	10
			Selenium	< 6.9	µg/ft ²	1,236

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Sample Summary Table

Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-22	2nd Floor Lab Area	Room 345, floor along N wall	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-23	2nd Floor Lab Area	Room 337, top of fridge, E wall	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-24	2nd Floor Lab Area	Top of drink cooler in break room	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-25	2nd Floor Lab Area	Break room threshold to roof	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	5.1	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	2.8	µg/ft ²	3,094
			Lead	5.4	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-26	2nd Floor Lab Area	Gas storage room, floor, column C44	Silver	2.7	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	71	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	16	µg/ft ²	3,094
			Lead	34	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-27	2nd Floor Lab Area	Room 319, top of fridge, E wall	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-28	2nd Floor Lab Area	Room 317, top of cabinets	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	2.4	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	4.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-29	2nd Floor Lab Area	Floor on ramp near room 317	Silver	< 2.0	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	< 2.0	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	< 2.0	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236
105-W-30	2nd Floor Lab Area	Room 311, top of fridge, NW corner	Silver	5.8	µg/ft ²	62
			Arsenic	< 2.0	µg/ft ²	62
			Barium	7.6	µg/ft ²	3,094
			Cadmium	< 2.0	µg/ft ²	31
			Chromium	2.3	µg/ft ²	3,094
			Lead	< 2.0	µg/ft ²	10
			Selenium	< 5.0	µg/ft ²	1,236

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Sample Summary Table

Goodfellow Federal Center - Building # 105 - Wipe Sample Data

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-31	Field Blank	--	Silver	< 2.0	µg	--
			Arsenic	< 2.0	µg	--
			Barium	< 2.0	µg	--
			Cadmium	< 2.0	µg	--
			Chromium	< 2.0	µg	--
			Lead	< 2.0	µg	--
			Selenium	< 5.0	µg	--
105-W-32	Field Blank	--	Silver	< 2.0	µg	--
			Arsenic	< 2.0	µg	--
			Barium	< 2.0	µg	--
			Cadmium	< 2.0	µg	--
			Chromium	< 2.0	µg	--
			Lead	< 2.0	µg	--
			Selenium	< 5.0	µg	--

* Clean Area Limit per Brookhaven IH75190=OSHA Housekeeping Limit [$PEL (\mu\text{g}/\text{m}^3) \times 10 \text{ m}^3/100\text{cm}^2$] / 15. Lead clean area limit: Brookhaven references EPA/HUD limit for floors, set at 10 µg/sq. ft. as of January 2020.

Indicates results at or above the Clean Area Limit

APPENDIX B – LABORATORY ANALYSIS REPORT



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Wipe Metals Analysis Report

Client: Burns & McDonnell Engineering
 9400 Ward Pkwy.
 Kansas City, MO 64114

Report Number: 20-06-03493

Received Date: 06/29/2020

Analyzed Date: 07/01/2020

Reported Date: 07/02/2020

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Client Number:
 26-3514

Laboratory Results

Fax Number:
 816-822-3494

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
20-06-03493-001	105-W-01	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	4.37	4.4	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	4.21	4.2	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-002	105-W-02	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-003	105-W-03	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-004	105-W-04	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	4.99	5.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-005	105-W-05	Arsenic (As)	1.00	<2.00	<2.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Barium (Ba)	1.00	35.1	35	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	2.66	2.7	
		Lead (Pb)	1.00	19.1	19	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-006	105-W-06	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-007	105-W-07	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	3.74	3.7	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-008	105-W-08	Arsenic (As)	0.875	<2.00	<2.3	
		Barium (Ba)	0.875	<2.00	<2.3	
		Cadmium (Cd)	0.875	<2.00	<2.3	
		Chromium (Cr)	0.875	<2.00	<2.3	
		Lead (Pb)	0.875	<2.00	<2.3	
		Selenium (Se)	0.875	<5.00	<5.7	
		Silver (Ag)	0.875	<2.00	<2.3	
20-06-03493-009	105-W-09	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-010	105-W-10	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-011	105-W-11	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-012	105-W-12	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	2.01	2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-013	105-W-13	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	22.8	23	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	5.16	5.2	
		Lead (Pb)	1.00	6.42	6.4	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-014	105-W-14	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-015	105-W-15	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-016	105-W-16	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	3.45	3.4	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-017	105-W-17	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	24.6	25	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	3.81	3.8	
		Lead (Pb)	1.00	18.6	19	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
20-06-03493-018	105-W-18	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	111	110	
		Cadmium (Cd)	1.00	4.49	4.5	
		Chromium (Cr)	1.00	17.0	17	
		Lead (Pb)	1.00	61.9	62	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-019	105-W-19	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	68.9	69	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	9.72	9.7	
		Lead (Pb)	1.00	63.0	63	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-020	105-W-20	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	5.34	5.3	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	25.8	26	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Lead (Pb)	1.00	2.53	2.5	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-021	105-W-21	Arsenic (As)	0.729	<2.00	<2.7	
		Barium (Ba)	0.729	9.24	13	
		Cadmium (Cd)	0.729	<2.00	<2.7	
		Chromium (Cr)	0.729	2.21	3.0	
		Lead (Pb)	0.729	3.91	5.4	
		Selenium (Se)	0.729	<5.00	<6.9	
		Silver (Ag)	0.729	<2.00	<2.7	
20-06-03493-022	105-W-22	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-023	105-W-23	Arsenic (As)	1.00	<2.00	<2.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-024	105-W-24	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-025	105-W-25	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	5.14	5.1	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	2.81	2.8	
		Lead (Pb)	1.00	5.36	5.4	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-026	105-W-26	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	71.3	71	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	16.3	16	
		Lead (Pb)	1.00	33.7	34	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	2.69	2.7	
20-06-03493-027	105-W-27	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-028	105-W-28	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	2.45	2.4	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	3.95	4.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-029	105-W-29	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	<2.00	<2.0	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	<2.00	<2.0	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	
		Silver (Ag)	1.00	<2.00	<2.0	
20-06-03493-030	105-W-30	Arsenic (As)	1.00	<2.00	<2.0	
		Barium (Ba)	1.00	7.59	7.6	
		Cadmium (Cd)	1.00	<2.00	<2.0	
		Chromium (Cr)	1.00	2.32	2.3	
		Lead (Pb)	1.00	<2.00	<2.0	
		Selenium (Se)	1.00	<5.00	<5.0	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Silver (Ag)	1.00	5.84	5.8	
20-06-03493-031	105-W-31	Arsenic (As)		<2.00	---	
		Barium (Ba)		<2.00	---	
		Cadmium (Cd)		<2.00	---	
		Chromium (Cr)		<2.00	---	
		Lead (Pb)		<2.00	---	
		Selenium (Se)		<5.00	---	
		Silver (Ag)		<2.00	---	
20-06-03493-032	105-W-32	Arsenic (As)		<2.00	---	
		Barium (Ba)		<2.00	---	
		Cadmium (Cd)		<2.00	---	
		Chromium (Cr)		<2.00	---	
		Lead (Pb)		<2.00	---	
		Selenium (Se)		<5.00	---	
		Silver (Ag)		<2.00	---	

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 20-06-03493

Project/Test Address: 168765; Goodfellow IH Services; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
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Sample Narratives:

Analyst: Brittany Meyer

Method: Mercury (Hg): EPA SW846 7471B

All other metals: EPA SW846 3050B/6010D

(b) (6)

Reviewed By Authorized Signatory:

Tasha Eaddy

QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit for each particular metal, based on a 100mL volume. The reporting limit for Mercury is 0.10ug, Aluminum, Iron and Zinc are 50ug, Antimony and Selenium are 5.0ug and 2.0ug for all other metals.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. EHS sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714.

Legend ug = microgram ug/ft² = micrograms per square foot
 mL = milliliter ft² = square foot

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	816-349-6646	Email	mshanahan@burnsmcd.com
Project Name / Testing Address	Goodfellow IH Services / 4300 Goodfellow Blvd.		
PO Number	168765	Collected By	Emily Ahlemeyer & Jeff Smith
Turn-Around Time	<input checked="" type="radio"/> 3 DAY <input type="radio"/> 2 DAY <input type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS						Other Metals	PARTICULATES					AIR			WIPES AREA <small>Circle The Unit of Measurement Used</small> cm or (in)	
			Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP		CA 17 Total	Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Total Time	Flow Rate		Vol.
																Mins.	L/min.		Total Liters
1	105-W-01	6/24/2020 0836							Ag, As, Ba, Cd, Cr, Pb, Se									12 x 12	
2	105-W-02	0840															12 x 12		
3	105-W-03	0845															12 x 12		
4	105-W-04	0847															12 x 12		
5	105-W-05	0855															12 x 12		
6	105-W-06	0900															12 x 12		
7	105-W-07	0908															12 x 12		
8	105-W-08	0913															10.5 x 12		
9	105-W-09	0920															12 x 12		
10	105-W-10	0923															12 x 12		
11	105-W-11	0926															12 x 12		
12	105-W-12	0930															12 x 12		
13	105-W-13	0932															12 x 12		
14	105-W-14	0939															12 x 12		
15	105-W-15	1132															12 x 12		

Released By: Emily Ahlemeyer	Date: 6/26/2020	Time: 4:00 PM
Signature: (b) (6)		

LAB USE ONLY - BELOW THIS LINE

Received By: TStone
 Signature: (b) (6)
 Date: 6/29/20 Time: 11:10 AM PM

Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010
 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

20-06-03493

Due Date:
07/02/2020
 (Thursday)
 EL

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name		Burns & McDonnell			Account #		26-3514		
Company Address		9400 Ward Parkway			City/State/Zip		Kansas City, MO 64114		
Phone		816-349-6646			Email		mshanahan@burnsmcd.com		
Project Name / Testing Address		Goodfellow IH Services / 4300 Goodfellow Blvd.							
PO Number		168765			Collected By		Emily Ahlemeyer & Jeff Smith		
Turn-Around Time		<input checked="" type="checkbox"/> 3 DAY		<input type="checkbox"/> 2 DAY		<input type="checkbox"/> 1 DAY		<input type="checkbox"/> SAME DAY OR WEEKEND - Must Call Ahead	

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS						Other Metals	PARTICULATES					AIR			WIPES AREA Circle The Unit of Measurement Used cm or (in)	
			Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP		CA 17 Total	Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Total Time	Flow Rate		Vol.
																Mins.	L/min.		Total Liters
1	105-W-16	6/24/2020 1135							Ag, As, Ba, Cd, Cr, Pb, Se										12 x 12
2	105-W-17	1138																	12 x 12
3	105-W-18	1141																	12 x 12
4	105-W-19	1145																	12 x 12
5	105-W-20	1150																	12 x 12
6	105-W-21	1154																	15 x 7
7	105-W-22	1206																	12 x 12
8	105-W-23	1210																	12 x 12
9	105-W-24	1213																	12 x 12
10	105-W-25	1216																	12 x 12
11	105-W-26	1220																	12 x 12
12	105-W-27	1224																	12 x 12
13	105-W-28	1229																	12 x 12
14	105-W-29	1231																	12 x 12
15	105-W-30	1235																	12 x 12

Released By:	Emily Ahlemeyer	Date:	6/26/2020	Time:	4:00 PM
Signature:	(b) (6)				

LAB USE ONLY - BELOW THIS LINE

Received By: Tstone
 Signature: (b) (6)
 Date: 6/29/20 Time: 11:10 AM PM

Portal Contact Added

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RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

9493



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Laboratories™

Attach Laboratory Label Here

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	816-349-6646	Email	mshanahan@burnsmcd.com
Project Name / Testing Address	Goodfellow IH Services / 4300 Goodfellow Blvd.		
PO Number	168765	Collected By	Emily Ahlemeyer & Jeff Smith
Turn-Around Time	<input checked="" type="checkbox"/> 3 DAY <input type="checkbox"/> 2 DAY <input type="checkbox"/> 1 DAY <input type="checkbox"/> SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS						Other Metals	PARTICULATES					AIR			WIPES AREA Circle The Unit of Measurement Used cm or (in)	
			Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP		CA 17 Total	Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Total Time	Flow Rate		Vol.
																Mins.	L/min.		Total Liters
1	105-W-31	6/24/2020 0956							Ag, As, Ba, Cd, Cr, Pb, Se										NA x NA
2	105-W-32	1 0956							1										NA x NA
3																		X	
4																		X	
5																		X	
6																		X	
7																		X	
8																		X	
9																		X	
10																		X	
11																		X	
12																		X	
13																		X	
14																		X	
15																		X	

Released By:	Emily Ahlemeyer	Date:	6/26/2020	Time:	4:00 PM
Signature:	(b) (6)				

LAB USE ONLY - BELOW THIS LINE

Received By: TS Stone

Signature: (b) (6)

Date: 6/29/20 Time: 11:10 AM PM

Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

3493

EHS

*Laboratories*TM

Attach Laboratory Label Here

APPENDIX C – LICENSES

**STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES**

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Jeffrey T. Smith

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: **3/16/2019**
Expiration Date: **3/16/2021**
License Number: **010316-200089640**

(b) (6)



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

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