July 12, 2023

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 6 and 7, 2023 by Eric Wenger & Jeff Smith of Burns & McDonnell and 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* and ASTM Standard D6966: *Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Determination of Metals*. ASTM Standards E1728 and D6966 are consistent with the methodology described in the Housing and

Urban Development Guidelines-Appendix 13.1 and 40 CFR 745.63. The Brookhaven National Laboratory's Surface Wipe Sampling Procedure (IH75190) was also used as a guideline.

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 23 of the 37 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.

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	<0.5	0.5	62
Arsenic	<2.5	<2.5	62
Barium	<0.5	100	3,094
Cadmium	<0.1	0.7	31
Chromium (Total)	<1.0	17.0	3,094
Lead	<0.5	14.0	10 [d]
Selenium	<2.5	<2.5	1,236

(a) Samples with a "<" sign indicate that the results were below the laboratory's reporting limit.
(b) µg/sq. ft = micrograms per square foot of surface area.
(c) Clean Area Limit per Brookhaven IH75190=OSHA Housekeeping Limit [[PEL (µg/m^3) x 10 m^3/100cm^2] x 929cm^2/sq.ft.] / 15.
(d) Lead clean area limit: Brookhaven references EPA/HUD limit for floors, set at 10 µg/sq. ft. as of January 2020.

Of the 23 samples that had detectable levels of one or more analytes, 1 of them exceeded the clean area limit.

1. A sample taken from the floor of the cylinder storage room in room 320 on the second floor had 14 µg/ft² of lead.

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) [redacted]

Matt Shanahan, CHMM
Project Manager

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

Information in Appendices A and B is not accessible for people using screen reader technology. If this information is required, it can be furnished upon request by contacting 816-223-6198 or r6environmental@gsa.gov.

APPENDIX A – SAMPLE SUMMARY TABLE

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-01	2nd floor, office room 361	Cubicle desk top	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-02	2nd floor, lab room 339	Floor tile by 339-B sink	Arsenic	< 2.5	µg/ft^2	62
			Barium	4.2	µg/ft^2	3,094
			Cadmium	0.30	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	2.3	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-03	2nd floor, office room 357	Top of microwave	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-04	2nd floor, office room 334	West cubicle desk top	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	0.12	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-05	2nd floor, cylinder storage room 320	Concrete floor by cylinders	Arsenic	< 2.5	µg/ft^2	62
			Barium	12	µg/ft^2	3,094
			Cadmium	0.72	µg/ft^2	31
			Chromium	11	µg/ft^2	3,094
			Lead	14.0	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-06	2nd floor, break room 323	Top of black Pepsi vending machine (>70")	Arsenic	< 2.5	µg/ft^2	62
			Barium	11	µg/ft^2	3,094
			Cadmium	0.61	µg/ft^2	31
			Chromium	2.7	µg/ft^2	3,094
			Lead	3.0	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-07	2nd floor, break room 323	Top of round lunch table, north end	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.5	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-08	2nd floor, reception office room 344	Top of south wooden desk	Arsenic	< 2.5	µg/ft^2	62
			Barium	0.51	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-09	Field blank	--	Arsenic	< 2.50	µg	--
			Barium	< 0.500	µg	--
			Cadmium	< 0.100	µg	--
			Chromium	< 1.00	µg	--
			Lead	< 0.500	µg	--
			Selenium	< 2.50	µg	--
			Silver	< 0.500	µg	--
105-W-10	1st floor, south office	Tile floor near column F53	Arsenic	< 2.5	$\mu g/ft^2$	62
			Barium	< 0.50	$\mu g/ft^2$	3,094
			Cadmium	< 0.10	$\mu g/ft^2$	31
			Chromium	< 1.0	$\mu g/ft^2$	3,094
			Lead	< 0.50	$\mu g/ft^2$	10
			Selenium	< 2.5	$\mu g/ft^2$	1,236
			Silver	< 0.50	$\mu g/ft^2$	62
105-W-11	1st floor, south office	Top of table by toaster/microwave	Arsenic	< 2.5	$\mu g/ft^2$	62
			Barium	< 0.50	$\mu g/ft^2$	3,094
			Cadmium	< 0.10	$\mu g/ft^2$	31
			Chromium	< 1.0	$\mu g/ft^2$	3,094
			Lead	< 0.50	$\mu g/ft^2$	10
			Selenium	< 2.5	$\mu g/ft^2$	1,236
			Silver	< 0.50	$\mu g/ft^2$	62
105-W-12	1st floor, south receiving dock	Concrete floor near column C52	Arsenic	< 2.5	$\mu g/ft^2$	62
			Barium	6.6	$\mu g/ft^2$	3,094
			Cadmium	0.11	$\mu g/ft^2$	31
			Chromium	1.2	$\mu g/ft^2$	3,094
			Lead	5.3	$\mu g/ft^2$	10
			Selenium	< 2.5	$\mu g/ft^2$	1,236
			Silver	< 0.50	$\mu g/ft^2$	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-13	1st floor, sample receiving offices	Top of desk at column A52	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-14	1st floor, sample prep	Top of workstation by keyboard at column C48	Arsenic	< 2.5	µg/ft^2	62
			Barium	1.0	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	1.1	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-15	1st floor, column C47	Top of blue chemical storage cabinet	Arsenic	< 2.5	µg/ft^2	62
			Barium	100	µg/ft^2	3,094
			Cadmium	0.14	µg/ft^2	31
			Chromium	2.0	µg/ft^2	3,094
			Lead	4.4	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-16	1st floor, warehouse	Top of cooler at column E43 (>70")	Arsenic	< 2.5	µg/ft^2	62
			Barium	2.3	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	1.2	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-17	1st floor, column F49	Middle shelf of rolling metal table	Arsenic	< 2.5	µg/ft^2	62
			Barium	20	µg/ft^2	3,094
			Cadmium	0.47	µg/ft^2	31
			Chromium	8.5	µg/ft^2	3,094
			Lead	8.20	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-18	1st floor, column H49	Painted concrete floor in storage	Arsenic	< 2.5	µg/ft^2	62
			Barium	13	µg/ft^2	3,094
			Cadmium	0.12	µg/ft^2	31
			Chromium	2.0	µg/ft^2	3,094
			Lead	4.6	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-19	Field blank	--	Arsenic	< 2.50	µg	--
			Barium	< 0.500	µg	--
			Cadmium	< 0.100	µg	--
			Chromium	< 1.00	µg	--
			Lead	< 0.500	µg	--
			Selenium	< 2.50	µg	--
			Silver	< 0.500	µg	--
105-W-20	2nd floor, room 310	Desk top of front cubicle	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	0.68	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-21	2nd floor, hallway outside room 310	Hallway floor	Arsenic	< 2.5	µg/ft^2	62
			Barium	3.4	µg/ft^2	3,094
			Cadmium	0.20	µg/ft^2	31
			Chromium	1.1	µg/ft^2	3,094
			Lead	1.5	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-22	2nd floor, lab room 311	Desktop at middle computer	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-23	2nd floor, lab room 314	Blank vinyl chair seat	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-24	2nd floor, lab room 315	Floor tile in center of room	Arsenic	< 2.5	µg/ft^2	62
			Barium	1.8	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	0.70	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-25	2nd floor, office room 317	2nd desk top on east cubicle	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-26	2nd floor, office room 317	Top of cabinet above sink (>70")	Arsenic	< 2.5	µg/ft^2	62
			Barium	12	µg/ft^2	3,094
			Cadmium	0.53	µg/ft^2	31
			Chromium	13	µg/ft^2	3,094
			Lead	6.7	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	0.52	µg/ft^2	62
105-W-27	2nd floor, office room 332	Top of 1st wood cabinet (approx. 5')	Arsenic	< 2.5	µg/ft^2	62
			Barium	< 0.50	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-28	2nd floor, hallway between 315 & 317	Top of wood handrail	Arsenic	< 2.5	µg/ft^2	62
			Barium	1.6	µg/ft^2	3,094
			Cadmium	0.38	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	4.0	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-29	2nd floor, across from room 307	Floor of raised panel	Arsenic	< 2.5	µg/ft^2	62
			Barium	0.66	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	< 0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-30	2nd floor, across from 305 & 355	Top of handrail ledge	Arsenic	< 2.5	µg/ft^2	62
			Barium	0.64	µg/ft^2	3,094
			Cadmium	0.13	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	0.86	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-31	1st floor, west center stairwell	Floor tile	Arsenic	< 2.5	µg/ft^2	62
			Barium	6.2	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	4.2	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-32	1st floor, breezeway entry to SW of 105	Floor tile	Arsenic	< 2.5	µg/ft^2	62
			Barium	1.4	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	0.70	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-33	1st floor, center of west hall	Ventilator (approx. 2.5' tall)	Arsenic	< 2.5	µg/ft^2	62
			Barium	0.82	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	0.50	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-34	1st floor, storage across from column F52	Top of metal file cabinet (approx. 4.5' tall)	Arsenic	< 2.5	µg/ft^2	62
			Barium	2.5	µg/ft^2	3,094
			Cadmium	0.14	µg/ft^2	31
			Chromium	< 1.0	µg/ft^2	3,094
			Lead	0.53	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-35	1st floor, storage across from column F52	Top of wooden credenza (approx. 3' tall)	Arsenic	< 2.5	µg/ft^2	62
			Barium	2.3	µg/ft^2	3,094
			Cadmium	< 0.10	µg/ft^2	31
			Chromium	17	µg/ft^2	3,094
			Lead	0.86	µg/ft^2	10
			Selenium	< 2.5	µg/ft^2	1,236
			Silver	< 0.50	µg/ft^2	62
105-W-36	Field blank	--	Arsenic	< 2.50	µg	--
			Barium	< 0.500	µg	--
			Cadmium	< 0.100	µg	--
			Chromium	< 1.00	µg	--
			Lead	< 0.500	µg	--
			Selenium	< 2.50	µg	--
			Silver	< 0.500	µg	--

Appendix A
Sample Summary Table

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
105-W-37	Field blank	--	Arsenic	< 2.50	µg	--
			Barium	< 0.500	µg	--
			Cadmium	< 0.100	µg	--
			Chromium	< 1.00	µg	--
			Lead	< 0.500	µg	--
			Selenium	< 2.50	µg	--
			Silver	< 0.500	µg	--

* Clean Area Limit per Brookhaven IH75190=OSHA Housekeeping Limit [[PEL (µg/m^3) x 10 m^3/100cm^2] x 929cm^2/sq. ft.] / 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: 23-06-01506

Received Date: 06/09/2023
Analyzed Date: 06/11/2023
Reported Date: 06/13/2023

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

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
23-06-01506-001	105-W-01	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-002	105-W-02	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	4.22	4.2	L01
		Cadmium (Cd)	1.00	0.300	0.30	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01

Client Number: 26-3514 **Report Number:** 23-06-01506
Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Lead (Pb)	1.00	2.32	2.3	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-003	105-W-03	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-004	105-W-04	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	0.115	0.12	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-005	105-W-05	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	12.1	12	L01

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Cadmium (Cd)	1.00	0.720	0.72	L01
		Chromium (Cr)	1.00	11.3	11	L01
		Lead (Pb)	1.00	14.1	14	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-006	105-W-06	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	11.2	11	L01
		Cadmium (Cd)	1.00	0.610	0.61	L01
		Chromium (Cr)	1.00	2.72	2.7	L01
		Lead (Pb)	1.00	3.00	3.0	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-007	105-W-07	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
23-06-01506-008	105-W-08	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	0.510	0.51	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-009	105-W-09	Arsenic (As)		<2.50	<2.5	L01
		Barium (Ba)		<0.500	<0.50	L01
		Cadmium (Cd)		<0.100	<0.10	L01
		Chromium (Cr)		<1.00	<1.0	L01
		Lead (Pb)		<0.500	<0.50	L01
		Selenium (Se)		<2.50	<2.5	L01
		Silver (Ag)		<0.500	<0.50	L01
23-06-01506-010	105-W-10	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-011	105-W-11	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-012	105-W-12	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	6.62	6.6	L01
		Cadmium (Cd)	1.00	0.110	0.11	L01
		Chromium (Cr)	1.00	1.25	1.2	L01
		Lead (Pb)	1.00	5.30	5.3	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-013	105-W-13	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-014	105-W-14	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	0.995	1.0	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	1.06	1.1	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-015	105-W-15	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	103	100	L01
		Cadmium (Cd)	1.00	0.135	0.14	L01
		Chromium (Cr)	1.00	1.96	2.0	L01
		Lead (Pb)	1.00	4.36	4.4	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-016	105-W-16	Arsenic (As)	1.00	<2.50	<2.5	L01

Client Number: 26-3514 **Report Number:** 23-06-01506
Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Barium (Ba)	1.00	2.26	2.3	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	1.16	1.2	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-017	105-W-17	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	19.5	20	L01
		Cadmium (Cd)	1.00	0.470	0.47	L01
		Chromium (Cr)	1.00	8.48	8.5	L01
		Lead (Pb)	1.00	8.18	8.2	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-018	105-W-18	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	13.4	13	L01
		Cadmium (Cd)	1.00	0.125	0.12	L01
		Chromium (Cr)	1.00	1.96	2.0	L01
		Lead (Pb)	1.00	4.58	4.6	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01

Client Number: 26-3514 **Report Number:** 23-06-01506
Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-019	105-W-19	Arsenic (As)		<2.50	---	L01
		Barium (Ba)		<0.500	---	L01
		Cadmium (Cd)		<0.100	---	L01
		Chromium (Cr)		<1.00	---	L01
		Lead (Pb)		<0.500	---	L01
		Selenium (Se)		<2.50	---	L01
		Silver (Ag)		<0.500	---	L01
23-06-01506-020	105-W-20	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	0.685	0.68	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-021	105-W-21	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	3.42	3.4	L01
		Cadmium (Cd)	1.00	0.200	0.20	L01
		Chromium (Cr)	1.00	1.06	1.1	L01

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Lead (Pb)	1.00	1.46	1.5	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-022	105-W-22	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-023	105-W-23	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-024	105-W-24	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	1.84	1.8	L01

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	0.700	0.70	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-025	105-W-25	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-026	105-W-26	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	11.7	12	L01
		Cadmium (Cd)	1.00	0.530	0.53	L01
		Chromium (Cr)	1.00	13.1	13	L01
		Lead (Pb)	1.00	6.66	6.7	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	0.520	0.52	L01

Client Number: 26-3514 **Report Number:** 23-06-01506
Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
23-06-01506-027	105-W-27	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	<0.500	<0.50	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-028	105-W-28	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	1.56	1.6	L01
		Cadmium (Cd)	1.00	0.385	0.38	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	3.99	4.0	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-029	105-W-29	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	0.665	0.66	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	<0.500	<0.50	L01

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-030	105-W-30	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	0.635	0.64	L01
		Cadmium (Cd)	1.00	0.130	0.13	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	0.860	0.86	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-031	105-W-31	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	6.22	6.2	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	4.21	4.2	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-032	105-W-32	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	1.40	1.4	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01

Client Number: 26-3514 **Report Number:** 23-06-01506
Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	0.700	0.70	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-033	105-W-33	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	0.815	0.82	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	0.505	0.50	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-034	105-W-34	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	2.53	2.5	L01
		Cadmium (Cd)	1.00	0.140	0.14	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01
		Lead (Pb)	1.00	0.530	0.53	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-035	105-W-35	Arsenic (As)	1.00	<2.50	<2.5	L01

Client Number: 26-3514 **Report Number:** 23-06-01506
Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Barium (Ba)	1.00	2.32	2.3	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	16.8	17	L01
		Lead (Pb)	1.00	0.860	0.86	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
23-06-01506-036	105-W-36	Arsenic (As)		<2.50	---	L01
		Barium (Ba)		<0.500	---	L01
		Cadmium (Cd)		<0.100	---	L01
		Chromium (Cr)		<1.00	---	L01
		Lead (Pb)		<0.500	---	L01
		Selenium (Se)		<2.50	---	L01
		Silver (Ag)		<0.500	---	L01
23-06-01506-037	105-W-37	Arsenic (As)		<2.50	---	L01
		Barium (Ba)		<0.500	---	L01
		Cadmium (Cd)		<0.100	---	L01
		Chromium (Cr)		<1.00	---	L01
		Lead (Pb)		<0.500	---	L01
		Selenium (Se)		<2.50	---	L01

Environmental Hazards Services, L.L.C

Client Number: 26-3514 **Report Number:** 23-06-01506

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.; Bldg 105

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft^2)	Total Metal (ug)	Concentration (ug/ft^2)	Narrative ID
		Silver (Ag)		<0.500	---	L01

Sample Narratives:

L01: LCS and LCSD percent recovery for Se were outside of acceptance limits.

Analyst: Carlos Gonzalez

Method: EPA SW846 3050B/6010D

Reviewed By Authorized Signatory: (b) (6) [redacted]

Tasha Eaddy

QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit based on a 50mL volume. The reporting limit for Lead is 0.5ug.

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. These sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C.

Legend	ug = microgram	ug/ft^2 = micrograms per square foot
	mL = milliliter	ft^2 = 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	314-302-4661	Email	alanstaett@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd – Bldg 105		eapulcher@burnsmcd.com
PO Number	168765	Collected By	Jeff Smith + Eric Wenger

Turn-Around Time: [X] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 1 DAY [ ] SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	105-W-01	6-6-23 8:48								Ag, As, Ba, Cd, Cr, Pb, Se									12 x 12
2	105-W-02	8:53																	12 x 12
3	105-W-03	8:58																	12 x 12
4	105-W-04	9:03																	12 x 12
5	105-W-05	9:06																	12 x 12
6	105-W-06	9:12																	12 x 12
7	105-W-07	9:17																	12 x 12
8	105-W-08	9:22																	12 x 12
9	105-W-09	13:10																	x
10	105-W-10	13:12																	12 x 12
11	105-W-11	13:14																	12 x 12
12	105-W-12	13:20																	12 x 12
13	105-W-13	13:25																	12 x 12
14	105-W-14	13:30																	12 x 12
15	105-W-15	13:33																	12 x 12

ICP

Released By: Eric Wenger Date: 6/8/23 Time: 16:58

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 6/9/23 Time: 1:42 [ ] AM [X] PM

[ ] Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

23-06-01506

Due Date: 06/16/2023 (Friday)

EL MM-L

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	314-302-4661	Email	alanstaett@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd – Bldg 105		eapulcher@burnsmcd.com
PO Number	168765	Collected By	Joff Smith + Eric Wenger

Turn-Around Time: X 5 DAY ○ 3 DAY ○ 2 DAY ○ 1 DAY ○ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (cm or in)
1	105-W-16	6-6-23 13:40								Ag, As, Ba, Cd, Cr, Pb, Se									12 x 12
2	105-W-17	13:46																	12 x 12
3	105-W-18	13:50																	12 x 12
4	105-W-19	13:51																	— x —
5	105-W-20	6-7-23 09:00																	12 x 12
6	105-W-21	9:03																	12 x 12
7	105-W-22	9:06																	12 x 12
8	105-W-23	9:10																	12 x 12
9	105-W-24	9:15																	12 x 12
10	105-W-25	9:21																	12 x 12
11	105-W-26	9:24																	12 x 12
12	105-W-27	9:41																	12 x 12
13	105-W-28	9:49																	1 x 144
14	105-W-29	9:52																	12 x 12
15	105-W-30	9:57																	6 x 24

Released By: Eric Wenger Date: 6/8/23 Time: 16:58

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 6/9/23 Time: 1:42 ☐ AM ☑ PM

☐ Portal Contact Added

1506

EHS Laboratories™

Attach Laboratory Label Here

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Pg 3 of 3

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	alanstaett@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd - Bldg 105		eapulcher@burnsmcd.com
PO Number	168765	Collected By	Jeff Smith & Eric Wenger

Turn-Around Time: (X) 5 DAY ( ) 3 DAY ( ) 2 DAY ( ) 1 DAY ( ) SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	105-W-31	6-7-23 1003								Ag, As, Ba, Cd, Cr, Pb, Se									12 x 12
2	105-W-32	1006																	12 x 12
3	105-W-33	1013																	6 x 24
4	105-W-34	1017																	12 x 12
5	105-W-35	1026																	12 x 12
6	105-W-36	1150																	x
7	105-W-37	1151																	x
8																			x
9																			x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

Released By: Eric Wenger Date: 6/8/23 Time: 16:58

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6) [redacted]

Date: 6/9/23 Time: 1:42 ☐ AM ☒ PM

☐ Portal Contact Added

1506

EHS Laboratories™

Attach Laboratory Label Here

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com