

December 27, 2021

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

Re: Goodfellow Federal Center – Building 107 Air and Wipe Sampling Evaluation Project No. 121244

Dear Ms. Czarnecki:

Thank you for the opportunity to provide the General Services Administration (GSA) with the above referenced environmental sampling activities. The following is our report.

INTRODUCTION

As requested, Burns & McDonnell conducted area air sampling for the presence of seven (7) RCRA metals including arsenic, barium, cadmium, chromium, lead, selenium, and silver and dust wipe sampling and testing for lead within the occupied areas of the first floor of Building 107 of the Goodfellow Federal Center located at 4300 Goodfellow Boulevard in St. Louis, Missouri. The purpose of the investigation was to provide sampling data regarding existing conditions. Air and dust wipe sampling was conducted on November 9-12, 2021 and November 15, 16, 18, and 19, 2021 by Ashley Anstaett of Burns & McDonnell.

DUST WIPE SAMPLING AND RESULTS

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.

A representative surface area of approximately one square foot (1 SF) was measured and delineated. 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 Flame Atomic Absorption (Flame AA) analysis



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of metals analysis using Environmental Protection Agency (EPA) method SW846-3050B/7000B. 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 48 of the 155 samples contained concentrations of lead above laboratory reporting limits. The following table identifies the range of results. 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)
Lead	<4.81	52.1	10 ^(d)

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

Twelve (12) dust wipe samples exceeded the lead clean area limit. Samples 107-102-W-01A, 107-102-W-03A, 107-102-W-05A, 107-102-W-07A, 107-106-W-01A, 107-124-W-01A, 107-124-W-12A, 107-102-W-09A, 107-102-W-12A, 107-106-W-09A, 107-106-W-10A, 107-124-W-25A at concentrations of 13.4, 12.4, 13.4, 14.8, 10.1, 13.2, 12.6, 10.4, 52.1, 12.1, 27.8, and 10.6 μ g/sq. ft, respectively.

A summary table of all wipe sampling results by location is included in Appendix A. The complete laboratory report for the wipe sampling from EHS is attached in Appendix B.



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AIR SAMPLING AND RESULTS

Air samples for RCRA metals were collected on 37-millimeter (mm) cassettes with 0.8 micrometer (μm) mixed cellulose ester (MCE) filters, using powered air sampling pumps, in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7300. The sampling strategy included collecting a minimum sample volume of 500 liters based on the calibrated pump flow rate and sample duration. Air samples were submitted under chain-of-custody to Environmental Hazards Services, LLC (EHS) in Richmond, Virginia for independent analysis of 7 RCRA metals according to NIOSH method 7300. EHS is accredited under the American Industrial Hygiene Association (AIHA) Industrial Hygiene Laboratory Accreditation Program (IHLAP) program, identification number LAP-100420.

Results of the air sampling indicate that one (1) of the 48 samples contained concentrations of lead above the laboratory reporting limit. All other samples collected from Building 107 and analyzed for RCRA metals were below laboratory reporting limits. All samples were below their respective OSHA Permissible Exposure Limit (PEL), as based on a time-weighted-average for all the analyzed RCRA metals.

GSA may choose to compare results with guidance limits from additional organizations for risk evaluation, including but not limited to the American Conference of Governmental Industrial Hygienists (ACGIH) and/or the World Health Organization (WHO).

A summary table of all sampling results by location is included in Appendix C. The complete laboratory report for the air sampling from EHS is attached in Appendix D.

LIMITATIONS

The scope of this assessment was limited in nature. Burns & McDonnell collected samples from a representative number of surfaces in an effort to minimize cost while providing a general overview of site conditions. Sample locations do not encompass all equipment surfaces at the site. Additionally, samples were only analyzed for a select number of potential contaminants. Burns & McDonnell is not responsible for potential contaminants not identified in this report.

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



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Sincerely,



Matt Shanahan, CHMM Project Manager

Attachments:

Appendix A – Wipe Sampling Summary Table Appendix B – Wipe Sampling Laboratory Report Appendix C – Air Sampling Summary Table Appendix D – Air Sampling Laboratory Report

Information in Appendices B and D are 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.



Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
107-100-W-01A	SW portion of room	Hanging light above computer monitor	Lead	Lead 5.86		10
107-100-W-02A	SW portion of room	Dual temperature return pipe behind desk; running N to S	Lead	< 5.00	μg/ft ² μg/ft ²	10
107-100-W-01B	Desk in SW portion of room	In front of printer on desk	Lead	< 5.00	μg/ft²	10
107-100-W-02B	Printer/copier on desk	Top of printer/copier	Lead	< 5.00	μg/ft²	10
107-100-W-03A	SE portion of room	L-shaped duct above door	Lead	6.88	μg/ft²	10
107-100-W-04A	SE portion of room	Hanging light closest to door	Lead	9.08	μg/ft²	10
107-100-W-03B	Table on SE wall	Top of Digit-10 Inkless System	Lead	< 5.15	μg/ft²	10
107-100-W-04B	SE portion of room	Small wooden side table near door	Lead	< 5.00	μg/ft²	10
107-100-W-05A	NW portion of room	Duct line running N to S;	Lead	5.30	μg/ft²	10
107-100-W-06A	NW portion of room	Hanging light on W side of room	Lead	6.46	μg/ft²	10
107-100-W-05B	NW portion of room	Desk/table on W side of room	Lead	< 5.00	μg/ft²	10
107-100-W-06B	NW portion of room	Top of "Handy Clean" wipe station	Lead	< 5.00	μg/ft²	10
107-100-W-07A	NE portion of room	Hanging light in NE corner	Lead	9.04	μg/ft²	10
107-100-W-08A	NE portion of room	L-shaped duct in NE corner	Lead	6.06	μg/ft²	10
107-100-W-07B	NE portion of room	Desk/table in NE corner	Lead	< 5.00	μg/ft²	10
107-100-W-08B	NE portion of room	Top of small filing cabinet	Lead	< 5.00	μg/ft²	10
107-102-W-01A	SW portion of room	Hanging light above desk	Lead	13.4**	μg/ft²	10
107-102-W-02A	S portion of room	Large duct running N to S above vent	Lead	7.41	μg/ft²	10
107-102-W-01B	SW portion of room	Corner of desk near door	Lead	< 5.00	μg/ft²	10
107-102-W-02B	SW portion of room	Top of shelf above desk near door	Lead	< 5.00	μg/ft²	10
107-102-W-03A	NW portion of room	nanging light in front of door to room	Lead	12.4**	μg/ft²	10
107-102-W-04A	NW portion of room	Pipe near W wall; runs N to S; connects pipe to sprinkler valve	Lead	6.62 μg,		10
107-102-W-03B	NW portion of room	Supply table on W wall	Lead	< 5.00	μg/ft²	10
107-102-W-04B	NW portion of room; supply closet	Table	Lead	< 5.00	μg/ft²	10
107-102-W-05A	SE portion of room	Hanging light W of E entrance	Lead	13.4**	μg/ft²	10

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
107-102-W-06A	SE portion of room	Dual temperature return pipe; S of E door	Lead	6.92	μg/ft²	10
107-102-W-05B	SE portion of room	Top of desk on SE wall	Lead	< 5.00	μg/ft²	10
107-102-W-06B	Center of room	Supply table	Lead	< 5.00	μg/ft²	10
107-102-W-07A	NE portion of room	Hanging light	Lead	14.8**	μg/ft²	10
107-102-W-08A	NE portion of room	L-shaped duct on NE wall	Lead	6.10	μg/ft²	10
107-102-W-07B	NE portion of room	Top of desk on NE wall	Lead	< 5.00	μg/ft²	10
107-102-W-08B	NE portion of room	Shelf above desk on NE wall	Lead	< 5.46	μg/ft²	10
107-106-W-01A	Break room	Hanging light	Lead	10.1**	μg/ft²	10
107-106-W-02A	Break room	Duct line with vent above refrigerator	Lead	7.58	μg/ft²	10
107-106-W-01B	Break room	Top of microwave	Lead	< 5.00	μg/ft²	10
107-106-W-02B	Break room	Top of counter next to sink	Top of counter next to sink Lead < 5.00		μg/ft²	10
107-106-W-03A	W portion of room	Hanging light; N of W entrance	Lead	5.16 μg/ft ²		10
107-106-W-04A	W portion of room	Duct trunk line above hanging light	Lead	< 5.00		
107-106-W-03B	W portion of room	Conference table near N wall	Lead	< 5.00	μg/ft²	10
107-106-W-04B	W portion of room	Table below TV on W wall	Lead	< 5.00	μg/ft²	10
107-106-W-05A	SE portion of room	Hanging light	Lead	8.38	μg/ft²	10
107-106-W-06A	SE portion of room	Large duct running N to S; W of desk on SE wall	Lead	7.46	μg/ft²	10
107-106-W-05B	SE portion of room	Top of desk in SE corner	Lead	< 5.00	μg/ft²	10
107-106-W-06B	SE portion of room	Top of long desk adjacent to S window	Lead	< 5.00	μg/ft²	10
107-106-W-07A	NE portion of room	Duct running E to W; above desk in NE corner	Lead			10
107-106-W-08A	NE portion of room	Hanging light	Lead 5.36 μg/ft ² 10		10	
107-106-W-07B	NE portion of room	Top of desk in NE corner	Lead	< 5.00	$\mu g/ft^2$ 10	
107-106-W-08B	NE portion of room	Tall desk in NE corner	Lead	< 5.00	$\mu g/ft^2$ 10	
107-124-W-01A	SE portion of room	Hanging light above admin desk	Lead	13.2**	μg/ft²	10
107-124-W-02A	SE portion of room	Top of large duct line; above hanging light	Lead	< 5.00	μg/ft²	10

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
107-124-W-03A	Break room	L-shaped duct above door	Lead	8.66	μg/ft²	10
107-124-W-04A	Break room	Hanging light above microwave	Lead	6.32	μg/ft²	10
107-124-W-01B	SW portion of room	Top of admin desk	Lead	< 5.00	μg/ft²	10
107-124-W-02B	SW portion of room	Top of admin standing desk	Lead	< 5.00	μg/ft²	10
107-124-W-03B	Break room	Top of counter between microwave and coffee maker	Lead	< 5.00	μg/ft²	10
107-124-W-04B	Break room	Top of round table in center of room	Lead	5.10	μg/ft²	10
107-124-W-05A	Center portion of room	Hanging light in center of room; N of supply storage	Lead	< 5.00	μg/ft²	10
107-124-W-06A	Center portion of room	Large duct running N to S; above hanging light	Lead	7.12	μg/ft²	10
107-124-W-07A	W portion of room	Hanging light S of cubicle 2	Lead	5.90	μg/ft²	10
107-124-W-08A	W portion of room	Duct line above cubicle 2; runs E to W	Lead	d < 5.00		10
107-124-W-05B	W portion of room	Top of standing desk in cubicle 2	Lead	< 5.00	μg/ft²	10
107-124-W-06B	W portion of room	Top of round table N of break room	Lead	< 5.00	μg/ft²	10
107-124-W-07B	Center portion of room	Top of long rectangular table; N of supply room	Lead	< 5.00	μg/ft²	10
107-124-W-08B	Center portion of room	Top of steel filing cabinet; SE most cabinet	Lead	< 5.00	μg/ft²	10
107-124-W-09A	Northern portion of room	Duct line above door; Huddle room 1	Lead	5.02	μg/ft²	10
107-124-W-10A	Northern portion of room	Hanging light; Huddle room 1	Lead	6.12	μg/ft²	10
107-124-W-11A	Northern portion of room	Hanging light E of Huddle Room 1	Lead	8.90	μg/ft²	10
107-124-W-12A	Room 127	Dual temp return line running N to S	Lead	12.6**	μg/ft²	10
107-124-W-09B	Huddle Room 1	Top of round table Lead < 5.0		< 5.00	μg/ft²	10
107-124-W-10B	Northern portion of room; center aisle	raisle Top of tall cabinet; S of huddle room Lead < 5.0		< 5.00	μg/ft²	10
107-124-W-11B	NE portion of room	Long table running E to W	Lead	< 5.00	μg/ft²	10
107-124-W-12B	Northern portion of room; center aisle	Top of long rectangular table	Lead	< 5.00	μg/ft²	10
107-124-W-13A	Room 127; NE portion of room			5.56	μg/ft²	10
107-124-W-14A	Room 127	Duct S of desk; running E to W	Lead	< 4.81	μg/ft²	10

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
107-124-W-15A	Room 127; E of hallway entrance	Hanging light	Lead	< 5.00	μg/ft²	10
107-124-W-16A	Room 127; E of hallway entrance	Large duct running N to S	Lead	< 5.00	μg/ft²	10
107-124-W-13B	Room 127	Top of conference table	Lead	< 5.00	μg/ft²	10
107-124-W-14B	Room 127	Long desk against N wall	Lead	< 5.00	μg/ft²	10
107-124-W-15B	Room 127; Huddle room	Top of table	Lead	< 5.00	μg/ft²	10
107-124-W-16B	Room 127; Break area	Top of microwave	Lead	< 5.00	μg/ft²	10
107-100-W-09A	SW portion of room	Hanging light above N end of desk	Lead	6.70	μg/ft²	10
107-100-W-10A	SW portion of room	Dual temp return pipe; nearest to hanging light on N wall	Lead	< 5.00	μg/ft²	10
107-100-W-09B	SW portion of room	Top of filing cabinet on S wall	Lead	< 5.00	μg/ft²	10
107-100-W-10B	SW portion of room	Top of admin desk on S wall	Lead	< 5.00	μg/ft²	10
107-100-W-11A	S portion of room	Large duct in center of room; runs N to S	Lead	< 4.81	μg/ft²	10
107-100-W-11B	SE portion of room	Perimeter of admin cubicle; E side	Lead	< 5.00	μg/ft²	10
107-100-W-12A	NW portion of room	Dual temp return pipe; above hanging light	Lead	6.48	μg/ft²	10
107-100-W-12B	NW portion of room	Table on N wall; center of table	Lead	< 5.00	μg/ft²	10
107-100-W-13A	NE portion of room	Large duct running E to W; above table	Lead	8.19	μg/ft²	10
107-100-W-13B	NE portion of room	Top of desk in NE corner	Lead	< 5.00	μg/ft²	10
107-102-W-09A	SW portion of room	Hanging light; E of hallway entrance	Lead	10.4**	μg/ft²	10
107-102-W-10A	SW portion of room	Pipe running E to W; S of hall door; above SW desk	Lead	< 5.00	μg/ft²	10
107-102-W-09B	SW portion of room	Top of desk	Lead	< 5.00	μg/ft²	10
107-102-W-10B	SW portion of room	Cabinet on S wall above desk Lead < 5.46		μg/ft²	10	
107-102-W-11A	NW portion of room	Pipe running E to W; W of sprinkler head	Lead	< 5.00	μg/ft²	10
107-102-W-12A	NW portion of room	Support beam runnin E to W; S of door on W side	Lead	52.1**	μg/ft²	10
107-102-W-11B	NW portion of room	Small gray stand next to supply table	Lead	< 5.00	μg/ft²	10
107-102-W-12B	NW portion of room	Cubicle wall perimeter	Lead	< 5.00	μg/ft²	10
107-102-W-13A	SE portion of room	Dual temp return in front of SE window	Lead	7.02	μg/ft²	10

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*	
107-102-W-13B	SE portion of room	Top shelf of cabinet to S of E door	Lead	< 5.00	μg/ft²	10	
107-102-W-14B	NE portion of room	Top of desk; Left side facing desk	Lead	< 5.00	μg/ft²	10	
107-102-W-14A	NE portion of room	Dual temp return pipe	Lead	< 5.00	μg/ft²	10	
107-102-W-15B	NE portion of room	W corner of desk	Lead	< 5.00	μg/ft²	10	
107-106-W-09A	SW portion of room	L-shaped duct E of W entrance	Lead	12.1**	μg/ft²	10	
107-106-W-10A	Break room	L-shaped duct on N wall	Lead	27.8**	μg/ft²	10	
107-106-W-09B	Break room	Counter with coffeemaker	Lead	< 5.00	μg/ft²	10	
107-106-W-10B	Break room	Recycling can lid	Lead	< 5.00	μg/ft²	10	
107-106-W-11A	NW portion of room	Hanging light above round table	Lead	6.26	μg/ft²	10	
107-106-W-12A	NW portion of room	Large L-shaped duct on NW wall;	Lead	< 5.00	μg/ft²	10	
107-106-W-11B	Center of room	Round conference table	Lead	< 5.00	μg/ft²	10	
107-106-W-12B	Center of room	Rectangular desk running E to W; in front of middle window on E wall	Lead	< 5.00	μg/ft²	10	
107-106-W-13A	SE portion of room	Duct running E to W; directly above S entrance	Lead	< 4.81	μg/ft²	10	
107-106-W-14A	Center of room	Support beam running E to W	Lead	5.36	μg/ft²	10	
107-106-W-13B	SE portion of room	Top of gray storage cabinet on SE wall	Lead	< 5.00	μg/ft²	10	
107-106-W-14B	SE portion of room	Rectangular desk on E wall	Lead	< 5.00	μg/ft²	10	
107-106-W-15B	NE portion of room	Long desk against E wall; to E of N most window	Lead	< 5.00	μg/ft²	10	
107-124-W-17A	S portion of room	Duct running E to W; S of storage area	Lead	7.27	μg/ft²	10	
107-124-W-18A	S portion of room	Hanging light N of admin desk	Lead	7.02	μg/ft ² 10		
107-124-W-19A	Break room; N Wall	Hanging light above break room table	Lead	< 5.00	μg/ft²		
107-124-W-20A	Break room entrance	L-shaped duct over break room entrance	Lead	9.44	μg/ft²		
107-124-W-17B	S portion of room	Admin desk; in front of phone on wall	Lead	< 5.00	$\mu g/ft^2$ 10		
107-124-W-18B	S portion of room	Top of cabinet on S wall of admin desk			10		
107-124-W-19B	Break room	Rectangular table on W wall	Lead	< 5.00	$\mu g/ft^2$ 10		
107-124-W-20B	Break room	Counter to right of sink; next to fridge			μg/ft²	10	

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*	
107-124-W-21A	W side of room	Hanging light between first two cubes; above rectangular table	Lead	6.86	μg/ft²	10	
107-124-W-22A	W side of room	Duct running E to W above desk in 3rd cubicle N of entrance on S wall	Lead	< 4.81	μg/ft²	10	
107-124-W-23A	E portion of room	Hanging light above rectangular table in aisle between cubes	Lead	5.02	μg/ft²	10	
107-124-W-24A	E portion of room	Duct running E to W above 3rd cube; N of entrance	Lead	< 4.81	μg/ft²	10	
107-124-W-21B	W portion of room	Rectangular table in aisle between first cubes	Lead	< 5.00	μg/ft²	10	
107-124-W-22B	W portion of room	3rd cubicle N of entrance; W side of desk	Lead	< 5.00	μg/ft²	10	
107-124-W-23B	E portion of room	Rectangular table between cubes Lead < 5.0		< 5.00	μg/ft²	10	
107-124-W-24B	E portion of room	Tall storage cabinet; 3rd cube N of entrance	Lead	< 5.00	μg/ft²	10	
107-124-W-25A	N portion of room	Hanging light directly S of Exit sign above N entrance	Lead	Lead 10.6**		10	
107-124-W-26A	N portion of room	Support beam near N wall;	Lead	5.96	μg/ft²	10	
107-124-W-25B	NW portion of room	Top of desk in Cube 5	Lead	< 5.00	μg/ft²	10	
107-124-W-26B	NW portion of room	Top of silver cabinet in cube 4	Lead	< 5.00	μg/ft²	10	
107-124-W-27B	NE portion of room	Top of bookshelf on N wall	Lead	< 5.00	μg/ft²	10	
107-124-W-28B	NE portion of room	Top of desk in far NE cubicle	Lead	< 5.00	μg/ft²	10	
107-124-W-27A	Room 127	Hanging light in center of room; S of N wall	center of room; S of N Lead 5.00		μg/ft²	10	
107-124-W-29B	Room 127	Desk in NW corner in front of computer	Lead	< 5.00	μg/ft²	10	
107-W-01	Field blank		Lead	< 5.00	μg		
107-W-02	Field blank		Lead	< 5.00	μg		
107-W-03	Field blank		Lead	< 5.00	μg		
107-W-04	Field blank		Lead	< 5.00	μg		
107-W-05	Field blank		Lead	< 5.00	μg		

Sample Number	Location	Area Description	Analyte	Result	Units	Clean Area Limit*
107-W-06	Field blank		Lead	< 5.00	μg	
107-W-07	Field blank		Lead	< 5.00	μg	
107-W-08	Field blank		Lead	< 5.00	μg	
107-W-09	Field blank		Lead	< 5.00	μg	
107-W-10	Field blank		Lead	< 5.00	μg	
107-W-11	Field blank		Lead	< 5.00	μg	
107-W-12	Field blank		Lead	< 5.00	μg	
107-W-13	Field blank		Lead	< 5.00	μg	
107-W-14	Field blank		Lead	< 5.00	μg	
107-W-15	Field blank		Lead	< 5.00	μg	

^{*} Clean Area Limit per Brookhaven IH75190=OSHA Housekeeping Limit [[PEL (µg/m3) x 10 m3/100cm2] x 929cm2/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





 ${\bf Environmental\ Hazards\ Services,\ L.L.C.}$

7469 Whitepine Rd Richmond, VA 23237

Telephone: 800.347.4010

Client: Burns & McDonnell Engineering

9400 Ward Pkwy. Kansas City, MO 64114

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Collection Date: 11/09/2021, 11/10/2021, 11/11/2021, 11/12/2021

Client Number: 26-3514 Laboratory Results Fax Number: 816-822-3494

Lead Dust Wipe Analysis Report

Report Number: 21-11-02703

Received Date: 11/16/2021 **Analyzed Date:** 11/18/2021 **Reported Date:** 11/19/2021

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-02703- 001	107-100-W- 01A			5.86	1.00	5.86	
21-11-02703- 002	107-100-W- 02A			<5.00	1.00	<5.00	
21-11-02703- 003	107-100-W- 01B			<5.00	1.00	<5.00	
21-11-02703- 004	107-100-W- 02B			<5.00	1.00	<5.00	
21-11-02703- 005	107-100-W- 03A			6.88	1.00	6.88	
21-11-02703- 006	107-100-W- 04A			9.08	1.00	9.08	
21-11-02703- 007	107-100-W- 03B			<5.00	0.972	<5.15	
21-11-02703- 008	107-100-W- 04B			<5.00	1.00	<5.00	
21-11-02703- 009	107-100-W- 05A			5.52	1.04	5.30	
21-11-02703- 010	107-100-W- 06A			6.46	1.00	6.46	
21-11-02703- 011	107-100-W- 05B			<5.00	1.00	<5.00	
21-11-02703- 012	107-100-W- 06B			<5.00	1.00	<5.00	
21-11-02703- 013	107-100-W- 07A			9.04	1.00	9.04	
21-11-02703- 014	107-100-W- 08A			6.06	1.00	6.06	

Rev 1.0 (Revised On: 11/19/2021): Added PO.

Environmental Hazards Services, L.L.C

Client Number: 26-3514 **Report Number:** 21-11-02703

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-02703- 015	107-100-W- 07B			<5.00	1.00	<5.00	
21-11-02703- 016	107-100-W- 09B			<5.00	1.00	<5.00	
21-11-02703- 017	107-W-05			<5.00			
21-11-02703- 018	107-W-06			<5.00			
21-11-02703- 019	107-W-07			<5.00			
21-11-02703- 020	107-W-08			<5.00			

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory:

(b) (6)

Tasha Eaddy
QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead
	mL = milliliter	ft ² = square foot	

Rev 1.0 (Revised On: 11/19/2021): Added PO.

Metals Chain of Custody Form

Pg / of A

	Community Division C. MarDonnell																				
			Irns & McDonnell Account # 26-3514 00 Ward Parkway City/State/Zip Kansas City, MO 64114																		
Co	mpany Address	9400	Ward Parkway									City/:	Stat	e/Z	qi	Ka	nsa	as City	, MO	6411	4
	Phone	314-3	302-4661										i	Ēma	lie	ea	ah	lemey	/er@l	ourns	mcd.com
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ועפ או	Sample ID		Date & Time	Pb TCLP	TCLP RCRA	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total			Total Nuisance Dust	Respirable D	TSP Gravimetric	TSP Pb	PM-10	Mins.	Ųmin.	Total Liters	Circle The Unit of Measurement Used
1	[57-100-W/6;A	11/1	1131								Flesh	i AA									12 × 12
2	1017-102-50-00	'	1135								1		T								6 x34
3	107-100-W-011	3	1033																		12 ×12
4	107-100-20-001	ß	1035																		12 × 12
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Received By:

Date:

Date:

Portal Contact Added

Portal Contact Added

Portal Contact Added

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-11-02703

Due Date:

11/19/2021

(Friday)

EL MM-L

Metals Chain of Custody Form

Pg of 2

<u> </u>	Company Name	Burns &	McDonnell		•							A	cco	unt	#	26	3-35	514			
Co	mpany Address	9400 Wa	00 Ward Parkway									City/S						as Cit	v. MO	6411	4
		314-302										,,		Ema	\rightarrow						mcd.com
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LAB NITMBER	Sample ID	1	ate & Time	Pb TCLP	TCLP RCRA	RCRA 8 Total	Toxic Metal Profile	Welding Furne Profile	TX 11 TCLP	CA 17 Total	Me	tals .al	Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Mins.	L/min.	Total Liters	AREA Circle The Unit of Measurement Used cm or in
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Environmental Hazards Services, L.L.C. 7469 Whitepine Rd Richmond, VA 23237

Telephone: 800.347.4010

Client:

Report Number: 21-11-02691

Lead Dust Wipe Analysis Report

Burns & McDonnell Engineering

9400 Ward Pkwy. Kansas City, MO 64114 Received Date: 11/16/2021 Analyzed Date: 11/18/2021 Reported Date: 11/19/2021

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Collection Date: 11/09/2021, 11/10/2021, 11/11/2021, 11/12/2021

Client Number: 26-3514 Laboratory Results Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-02691-	107-102-W-			13.4	1.00	13.4	
001 21-11-02691-	01A 107-102-W-			7.72	1.04	7.41	
002	02A			1.12	1.04	7.41	
21-11-02691- 003	107-102-W- 01B			<5.00	1.00	<5.00	
21-11-02691- 004	107-102-W- 02B			<5.00	1.00	<5.00	
21-11-02691- 005	107-102-W- 03A			12.4	1.00	12.4	
21-11-02691- 006	107-102-W- 04A			6.62	1.00	6.62	
21-11-02691- 007	107-102-W- 03B			<5.00	1.00	<5.00	
21-11-02691- 008	107-102-W- 04B			<5.00	1.00	<5.00	
21-11-02691- 009	107-102-W- 05A			13.4	1.00	13.4	
21-11-02691- 010	107-102-W- 06A			6.92	1.00	6.92	
21-11-02691- 011	107-102-W- 05B			<5.00	1.00	<5.00	
21-11-02691- 012	107-102-W- 06B			<5.00	1.00	<5.00	
21-11-02691- 013	107-102-W- 07A			14.8	1.00	14.8	
21-11-02691- 014	107-102-W- 08A			6.10	1.00	6.10	

Environmental Hazards Services, L.L.C

Client Number: 26-3514 Report Number: 21-11-02691

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-02691- 015	107-102-W- 07B			<5.00	1.00	<5.00	
21-11-02691- 016	107-102-W- 08B			<5.00	0.917	<5.46	
21-11-02691- 017	107-W-01			<5.00			
21-11-02691- 018	107-W-02			<5.00			
21-11-02691- 019	107-W-03			<5.00			
21-11-02691- 020	107-W-04			<5.00			

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory:

(b) (6)

Tasha Eaddy QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead
	mL = milliliter	ft ² = square foot	

Metals Chain of Custody Form

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	Company Name	Burns 8	& McDonnell									A	cco	unt	#	26	-35	14			·	
Co	ompany Address	9400 V	00 Ward Parkway									City/S	tat	e/Zi	р	Ka	กระ	as City	, MO	6411	4	
	Phone	314-30)2-4661										Į	ma	ıi⊦	ea	ah	lemey	er@l	ourns	mcd	.com
P	roject Name / Te	sting Add	ress GFC / 4300) G	00	dfe	llo	w E	3Iv	t												
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	Sample ID		Date & Time	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	Mins.	L∕min.	Total Liters	Circle Measure	The Unit of ement Used or in
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LAB USE ONLY – BELOW THIS LINE	
Received By: H. H. H. H. H. Signature: Date: 11 / 16 / 21 Time: 2 :52 Portal Contact Added	21-11-02691 Due Date: 11/19/2021 (Friday) EL MM-L
2 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010 Fi RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com	(b) (6)

Metals Chain of Custody Form

PR 2 of 2

	Company Name	Burne & Mc	Donnell									<u> </u>		+	<u></u> T	26	25	111			
			turns & McDonnell Account # 26-3514 400 Ward Parkway City/State/Zip Kansas City, MO 64114																		
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EHS (E)

Laboratories

Attach Laboratory Label Here



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

Telephone: 800.347.4010

Client:

Burns & McDonnell Engineering

9400 Ward Pkwy. Kansas City, MO 64114

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Collection Date: 11/09/2021, 11/10/2021, 11/11/2021, 11/12/2021

Client Number: Laboratory Results

Fax Number: 816-822-3494

21-11-02712

11/16/2021 11/18/2021

11/18/2021

Lead Dust Wipe Analysis Report

Report Number:

Received Date:

Analyzed Date:

Reported Date:

Lab Sample Client Sample **Collection Location** Total Pb Wipe Area Concentration Narrative Surface Number Number (ft²) (ug/ft2) ID (ug) 21-11-02712-107-106-W-10.1 1.00 10.1 001 01A 21-11-02712-107-106-W-7.88 1.04 7.58 002 02A 21-11-02712-107-106-W-< 5.00 1.00 < 5.00 003 01B 21-11-02712-107-106-W-< 5.00 1.00 < 5.00 004 02B 21-11-02712-107-106-W-5.16 1.00 5.16 005 03A 21-11-02712-107-106-W-< 5.00 1.00 < 5.00 006 04A 21-11-02712-107-106-W-< 5.00 1.00 < 5.00 03B 007 21-11-02712-107-106-W-< 5.00 1.00 < 5.00 800 04B 107-106-W-21-11-02712-8.38 1.00 8.38 009 05A 21-11-02712-107-106-W-7.76 1.04 7.46 010 06A 21-11-02712-107-106-W-< 5.00 1.00 < 5.00 011 05B 21-11-02712-107-106-W-< 5.00 1.00 < 5.00 012 06B 21-11-02712-107-106-W-< 5.00 1.04 <4.81 013 07A 107-106-W-21-11-02712-5.36 1.00 5.36 014 08A

Environmental Hazards Services, L.L.C

Client Number: 26-3514 Report Number: 21-11-02712

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-02712- 015	107-106-W- 07B			<5.00	1.00	<5.00	
21-11-02712- 016	107-106-W- 08B			<5.00	1.00	<5.00	

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory:

Melissa Kanode QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead
	mL = milliliter	ft ² = square foot	

Metals Chain of Custody Form

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££Muv ومن	Client Sample ID	,		Collec Date 8	ctìon & Time	Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	welding Fume Profile	TX 11 TCLP	CA 17 Total		Oth Me ^r کیک	tals oct	Total Nuisance Dust	Respirable Dust	TSP Gravimet	TSP Pb	PM- 10	Mins.	t√min.	Total Liters	Circle The Unit of Measurement Used cm or (in)
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Received By: Portal Contact Added 2 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com



Due Date: 11/19/2021 (Friday)



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ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

2/12 P8 2 of 2

(Company Name	Burns & McDonn	ıell						•			A	COL	ınt	#	26-	-35	14			
Co	mpany Address	9400 Ward Park	way									City/S	tate	e/Zi	p	Ka	nsa	as City	<u>, MO</u>	64114	<u> </u>
	Phone	314-302-4661										<u></u>	Е	ma	i1 I	ea	ahl	emey	er@k	ourns	mcd.com
₽r	oject Name / Tes	ting Address GFC	/ 4300	Go	ood	lfel	lov	y B	lvd												
	PO Number	168765					<u>-</u>	(Colle	ecte	ed By	Asin	المرا	پر	1	11	γO	5+cc	14		
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F RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com



Attach Laboratory label Here



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

Telephone: 800.347.4010

Burns & McDonnell Engineering

9400 Ward Pkwy. Kansas City, MO 64114

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Collection Date: 11/09/2021, 11/10/2021, 11/11/2021, 11/12/2021

Client Number: 26-3514

Client:

Laboratory Results

Lead Dust Wipe Analysis Report

Report Number: 21-11-02659

Received Date: 11/16/2021 Analyzed Date: 11/18/2021 Reported Date: 11/18/2021

Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-02659- 001	107-124-W- 01A			13.2	1.00	13.2	
21-11-02659- 002	107-124-W- 02A			<5.00	1.00	<5.00	
21-11-02659- 003	107-124-W- 03A			8.66	1.00	8.66	
21-11-02659- 004	107-124-W- 04A			6.32	1.00	6.32	
21-11-02659- 005	107-124-W- 01B			<5.00	1.00	<5.00	
21-11-02659- 006	107-124-W- 02B			<5.00	1.00	<5.00	
21-11-02659- 007	107-124-W- 03B			<5.00	1.00	<5.00	
21-11-02659- 008	107-124-W- 04B			<5.00	1.00	<5.00	
21-11-02659- 009	107-124-W- 05A			5.10	1.00	5.10	
21-11-02659- 010	107-124-W- 06A			<5.00	1.00	<5.00	
21-11-02659- 011	107-124-W- 07A			7.12	1.00	7.12	
21-11-02659- 012	107-124-W- 08A			6.14	1.04	5.90	
21-11-02659- 013	107-124-W- 05B			<5.00	1.00	<5.00	
21-11-02659- 014	107-124-W- 06B			<5.00	1.00	<5.00	

Environmental Hazards Services, L.L.C

Client Number: 26-3514 Report Number: 21-11-02659

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-02659- 015	107-124-W- 07B			<5.00	1.00	<5.00	
21-11-02659- 016	107-124-W- 08B			<5.00	1.00	<5.00	
21-11-02659- 017	107-124-W- 09A			5.22	1.04	5.02	
21-11-02659- 018	107-124-W- 10A			6.12	1.00	6.12	
21-11-02659- 019	107-124-W-11A			8.90	1.00	8.90	
21-11-02659- 020	107-124-W- 12A			6.28	0.500	12.6	
21-11-02659- 021	107-124-W- 09B			<5.00	1.00	<5.00	
21-11-02659- 022	107-124-W- 10B			<5.00	1.00	<5.00	
21-11-02659- 023	107-124-W-11B			<5.00	1.00	<5.00	
21-11-02659- 024	107-124-W- 12B			<5.00	1.00	<5.00	
21-11-02659- 025	107-124-W- 13A			5.56	1.00	5.56	
21-11-02659- 026	107-124-W- 14A			<5.00	1.04	<4.81	
21-11-02659- 027	107-124-W- 15A			<5.00	1.00	<5.00	
21-11-02659- 028	107-124-W- 16A			<5.00	1.00	<5.00	
21-11-02659- 029	107-124-W- 13B			<5.00	1.00	<5.00	
21-11-02659- 030	107-124-W- 14B			<5.00	1.00	<5.00	
21-11-02659- 031	107-124-W- 15B			<5.00	1.00	<5.00	
21-11-02659- 032	107-124-W- 16B			<5.00	1.00	<5.00	

Environmental Hazards Services, L.L.C

Client Number: 26-3514 Report Number: 21-11-02659

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Client Sample Collection Location Surface Total Pb Wipe Area Concentration Narrative Number (ug) (ft²) (ug/ft²) ID

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory:

(b) (6)

Melissa Kanode QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

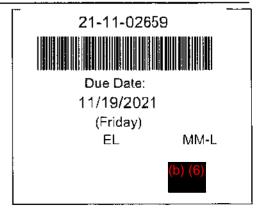
Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead	
	mL = milliliter	ft ² = square foot		



Metals Chain of Custody Form

Pg 1 of 3

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9	127-124-W-06A	ı iı	110	1343									\									12 × 12
10	1012 - 104 - W - CO	Λ		1345									1									12 × 12
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13	147-124-14-051	3		1255																		10 × 12
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Metals Chain of Custody Form

PR 2 of 3

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3,3	Sample ID		Date	& Time	Pb TCLP	TCLP RCRA	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Me しよの	her tals UJ	Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Mins.	L∕min.	Total Liters	AREA Circle The Unit of Measurement Used cm or in
1	107-104-W-05	3 4	110	1305								Flou	NAA									12 × 13
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Laboratories

Attach Laboratory Label Here

Metals Chain of Custody Form

pg 3 of 3

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1	107-124-W-151	3 11/12 08317								Flau										(2 × 12
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🞉 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com



Environmental Hazards Services, L.L.C. 7469 Whitepine Rd

Richmond, VA 23237

Telephone: 800.347.4010

Client: Burns & McDonnell Engineering

9400 Ward Pkwy. Kansas City, MO 64114

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Collection Date: 11/15/2021, 11/16/2021, 11/18/2021, 11/19/2021

Client Number: Laboratory Results

Lead Dust Wipe Analysis Report

Report Number: 21-11-04070

Received Date: 11/23/2021 Analyzed Date: 11/29/2021 Reported Date: 11/30/2021

Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-04070- 001	107-100-W- 09A			6.70	1.00	6.70	
21-11-04070- 002	107-100-W- 10A			<5.00	1.00	<5.00	
21-11-04070- 003	107-100-W- 09B			<5.00	1.00	<5.00	
21-11-04070- 004	107-100-W- 10B			<5.00	1.00	<5.00	
21-11-04070- 005	107-100-W-11A			<5.00	1.04	<4.81	
21-11-04070- 006	107-100-W-11B			<5.00	1.00	<5.00	
21-11-04070- 007	107-100-W- 12A			6.48	1.00	6.48	
21-11-04070- 008	107-100-W- 12B			<5.00	1.00	<5.00	
21-11-04070- 009	107-100-W- 13A			8.52	1.04	8.19	
21-11-04070- 010	107-100-W- 13B			<5.00	1.00	<5.00	
21-11-04070- 011	107-W-09			<5.00			
21-11-04070- 012	107-W-10			<5.00			
21-11-04070- 013	107-W-11			<5.00			
21-11-04070- 014	107-W-12			<5.00			

Environmental Hazards Services, L.L.C

Client Number: 26-3514 Report Number: 21-11-04070

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-04070- 015	107-W-13			<5.00			
21-11-04070- 016	107-W-14			<5.00			
21-11-04070- 017	107-W-15			<5.00			

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory:

(b) (6)

Melissa Kanode QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead
	mL = milliliter	ft ² = square foot	

Metals Chain of Custody Form

Pe of 2

	IVICIAIS CHAILLOL CUSTOMY LOLLIN																					
	Company Name	Burns & McDonneil							A	Account # 26-3514												
Co	ompany Address	9400 Ward Parkway							City/S	State	e/Zip Kansas City, MO 64114											
	Phone											lemey	meyer@burnsmcd.com									
Р	roject Name / Tes	sting Add	ress GFC / 430	0 G	000	dfe	llo	w E	Blvd	t	.,											
	PO Number	168765	5						Coll	lect	ed By	Ashi.	ei	1.	Αv	<u> 15</u>	Fo	ul-H	-			
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AB XUMBER	Client		Collection	∞ -			ofile		Ь				Dust	ust	tric	• • •		Total Time	Flow Rate	Vol.	,	NDE A
. ABM.	Sample ID		Date & Time	Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Out Med Lea Once	tals -d	Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Mins.	Ļ∕min.	Total Liters	Circle Measur	AREA The Unit of rement Used or (in)
1	107-100-W-091	4 11/15	1350								Fiau	edel									[2	×12
2	107-100-W-10 A	1	1410								j										6	× 24
3	107-100-W-091	В	1345																	•		× 10
4	107-100-W-10F	3 !	1347																		10	× 12
5	107-100-W-11A	11/16	1156																		10	× 15
б	107-100-W-116	3	1154		L																	×36
7	C1-W-401-FC1	11/14	1245																		(a	x)Ų
8	100 - W - GO - CO)	g	1243																	·	12	×12
9	107 - 100 -N-13/	a ujja	1005																		io	x 15
10	107-108-W-131	g !	1000													Ī					(2	×12
11	107-6109	11/15	(135																			* NA
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	Signature:	(b) (6)				•						. , <u>-</u>	- /				L					
						LAB	USE	ОИІ	LY – I	BELO	DW THIS LI	NE										
Rece	Received By: Stone																					
Sign	ature:		o) (6)														•	21-11	-040	70		
Date	: <u>11,23</u>	21	Time:	:_	<u>J</u> (<u> </u>				АΝ	n S PP	М										
	Portal Contact Added Due Date:																					

2 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

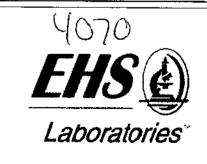
Due Date: 11/30/2021 (b) (6) (Tuesday) EL MM-L

Metals Chain of Custody Form

PR 2 of 2

							P								
	Burns & McDonnell						А	cco	unt	# 2	26-3	514			
Company Address	9400 Ward Parkway City/State/Zip Kansas City, MO 64114										4				
	314-302-4661							E	Ema	il e	eaa	hleme	уег@	burns	mcd.com
Project Name / Te	sting Address GFC / 430	00 Good	dfello	w Bi	vď								•		
PO Number	168765	-		С	ollec	ted By	Ash	1.0	11	į.	1:0.	560	0 14		
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Client Sample ID	Pb TCLP RCRA 8 Time Collection Client Collection Collec			Profile] 			ust	tric		Total Time	Flow Rate	Rate Vol.	
§ Sample ID				Welding Fume Profile	Welding Fume Pr TX 11 TCLP CA 17 Total						TSP Pb	Mins.	lins. L/min. Total Liters		AREA Circle The Unit of Measurement Used
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2 100-W-15	11/19 0806	1 1 4	_		-	- 1				1					NHXNA
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Received By: TStone
Signature:
Date: $11/23/21$ Time: $2:30$ \square AM \square PM
Portal Contact Added
2 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010



Attach Laboratory Label Here



Environmental Hazards Services, L.L.C. 7469 Whitepine Rd

Richmond, VA 23237

Telephone: 800.347.4010

Client: Burns & McDonnell Engineering

9400 Ward Pkwy. Kansas City, MO 64114

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Collection Date: 11/15/2021, 11/16/2021, 11/18/2021, 11/19/2021

Client Number: Laboratory Results

Lead Dust Wipe Analysis Report

Report Number: 21-11-04124

Received Date: 11/23/2021 Analyzed Date: 11/29/2021 Reported Date: 12/27/2021

Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-04124- 001	107-102-W- 09A			10.4	1.00	10.4	
21-11-04124- 002	107-102-W- 10A			<5.00	1.00	<5.00	
21-11-04124- 003	107-102-W- 09B			<5.00	1.00	<5.00	
21-11-04124- 004	107-102-W- 10B			<5.00	0.917	<5.46	
21-11-04124- 005	107-102-W-11A			<5.00	1.00	<5.00	
21-11-04124- 006	107-102-W- 12A			52.1	1.00	52.1	
21-11-04124- 007	107-102-W-11B			<5.00	1.00	<5.00	
21-11-04124- 008	107-102-W- 12B			<5.00	1.00	<5.00	
21-11-04124- 009	107-102-W- 13A			7.02	1.00	7.02	
21-11-04124- 010	107-102-W- 13B			<5.00	1.00	<5.00	
21-11-04124- 011	107-102-W- 14B			<5.00	1.00	<5.00	
21-11-04124- 012	107-102-W- 14A			<5.00	1.00	<5.00	
21-11-04124- 013	107-102-W- 15B			<5.00	1.00	<5.00	



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

Telephone: 800.347.4010

9400 Ward Pkwy.

Kansas City, MO 64114

Client:

Analysis Report

Lead Dust Wipe

Report Number: 21-11-04122

Received Date: 11/23/2021

Analyzed Date: 11/29/2021 Reported Date: 11/30/2021

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Burns & McDonnell Engineering

Collection Date: 11/15/2021, 11/16/2021, 11/18/2021, 11/19/2021

Client Number: 26-3514 Laboratory Results Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-04122- 001	107-106-W- 09A			12.1	1.00	12.1	
21-11-04122- 002	107-106-W- 10A			27.8	1.00	27.8	
21-11-04122- 003	107-106-W- 09B			<5.00	1.00	<5.00	
21-11-04122- 004	107-106-W- 10B			<5.00	1.00	<5.00	
21-11-04122- 005	107-106-W-11A			6.26	1.00	6.26	
21-11-04122- 006	107-106-W- 12A			<5.00	1.00	<5.00	
21-11-04122- 007	107-106-W-11B			<5.00	1.00	<5.00	
21-11-04122- 008	107-106-W- 12B			<5.00	1.00	<5.00	
21-11-04122- 009	107-106-W- 13A			<5.00	1.04	<4.81	
21-11-04122- 010	107-106-W- 14A			5.36	1.00	5.36	
21-11-04122- 011	107-106-W- 13B			<5.00	1.00	<5.00	
21-11-04122- 012	107-106-W- 14B			<5.00	1.00	<5.00	
21-11-04122- 013	107-106-W- 15B			<5.00	1.00	<5.00	

Client Number: 26-3514 Report Number: 21-11-04122

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Client Sample Collection Location Surface Total Pb Wipe Area Concentration Narrative Number (ug) (ft²) (ug/ft²) ID

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory

(b) (6)

Melissa Kanode QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead	
	mL = milliliter	ft ² = square foot		

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	Company Name	Burns	& McDonnell									A	ссо	unt	#	26	-35	514	* *****		
C	ompany Address	9400 V	Vard Parkway									City/S	Stat	e/Z	p	Ka	ans	as City	, MO	6411	4
	Phone		02-4661						-		- 19		i	Ema	il ,	ea	ıah	lemey	/er@l	ourns	mcd.com
E		т	ress GFC / 430	10 C	300	dfe	llo														
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AB NUMBER	Client Sample ID		Collection Date & Time		RA 8	otal	Profile	e Profile	CLP	Total			ce Dust	Dust	hetric		0	Total Time	Flow Rate	Vol.	AREA
3			oute & fillie	Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 T			Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM- 10	Mins.	U∕min.	Total Liters	Circle The Unit of Measurement Used cm or in
1	107-106-W-09	A 11/15	1458							·	Flan	u AA									10 ×12
2	107-106-W-10	A	1502								_ 1									nu nu	12×12
3	107-106-W-0	95	1453																		12 × 12
4	107-106-W-10	BI	1455																		12 ×12
5	107-104-W-41	AU/16	1306	ļ																	12 × 12
6	107-106-101-101	<u> </u>	1312	ļ																	12 × /2
7	ا 11 - س-عادا - 1701	B (1258	1	<u> </u>												i				12×12
8	107-106-2-12	8	1300																		12×12
9	107-100-W-13	<u> 11/18</u>	i202																		10 × 16
10	107-100-W-14A	1 11/19	09 52																		ч ×36
11	187-180-W-13F	3 11/17	1154		<u> </u>																12 ×12
12	197-100-W-140	<u> 8 11/13</u>	1158													i					12. ×10
13	107-100-W-15A	3 aha	6945																		10 ×10
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Signa	ature:	(b) (6)				_												04.44	1 0 4 4	00	
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2 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

11/30/2021 (Tuesday) ĒL

MM-L

Client Number: 26-3514 Report Number: 21-11-04124

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Client Sample Collection Location Surface Total Pb Wipe Area Concentration Narrative Number (ug) (ft²) (ug/ft²) ID

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory

(b) (6)

Melissa Kanode QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead	
	mL = milliliter	ft ² = square foot		

Rev 1.0 (Revised On: 12/27/2021): Corrected sample numbers per COC.

Metals Chain of Custody Form

Pg	of	1	-

	Company Name		& McDonnell									Α	cco	unt	#	26	-35	514			
C	ompany Address	9400 V	00 Ward Parkway						City/S	Stat	e/Z	ip	Κa	ns	as City	/, MO	6411	4			
	Phone	314-3	02-4661										١	Ēm	ail	ea	ıah	lemey	/er@l	burns	mcd.com
F	roject Name / T	esting Add	ress GFC / 430	0 G	00	dfe	olle	w E	3lv	d											
<u> </u>	PO Number	16876	5						Col	lect	ed By	Ashi	e.	4	A۱	کہد	+a	ett			
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						M	ET/	ALS	ò				Ρ.	ARI	ICU	LAT	E\$		AIR		WIPES
AB NUMBER	Client		Collection		8	<u>r</u>	rofile	rofile	a.	le le			Dust	ust	tric			Total Time	Flow Rate	Vol.	opra.
LAB N	Sample ID		Date & Time	Pb TCLP	TCLP RCRA	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	1.00 L	y	Total Nuisance	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Mins.	Ųrain.	Total Liters	AREA Circle The Unit of Measurement Used crn or (in)
i	10-1-109-W-1	1415	1213								Flay	MA									12×12
2	107-102-W-10	A	1216										<u> </u>								4×36
3	101-102-W. 0	76	1134									!									12 × 12
4	107-100-W-	108	1136													L					11 ×12
5	107-102-W-	11/10	1512																		4 × 36
6	107-102-W-	oA	1515	<u> </u>									. 								4 ×36
7	107-102-W.		1411																		12 × 12
8	107-102-W.1	اعد	1508															·			3 × 48
9	127-120- W-1	3/11/18	1045																		6 × 24
10	147-182-611	3 <i>B</i> i	०५०																		12 ×/2
11	157-100-Wal	₹B }	1042																		12 × 12
12	107-102-W-17	1A 11/19	0907																	m	6 x24
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Received By: Signature: Date: 1 23 2 Time: 1 0 0 AM PM

Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-11-04124

Due Date:
11/30/2021 (b) (6)
(Tuesday)

EL MM-L



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

Telephone: 800.347.4010

Client:

Lead Dust Wipe Analysis Report

Report Number: 21-11-04111

Burns & McDonnell Engineering

9400 Ward Pkwy. Kansas City, MO 64114 Received Date: 11/23/2021 Analyzed Date: 11/29/2021 Reported Date: 11/30/2021

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Collection Date: 11/15/2021, 11/16/2021, 11/18/2021, 11/19/2021

Client Number: 26-3514 Laboratory Results Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-04111- 001	107-124-W- 17A			7.56	1.04	7.27	
21-11-04111-	107-124-W- 18A			7.02	1.00	7.02	
21-11-04111- 003	107-124-W- 19A			<5.00	1.00	<5.00	
21-11-04111- 004	107-124-W- 20A			9.44	1.00	9.44	
21-11-04111- 005	107-124-W- 17B			<5.00	1.00	<5.00	
21-11-04111- 006	107-124-W- 18B			<5.00	1.00	<5.00	
21-11-04111- 007	107-124-W- 19B			<5.00	1.00	<5.00	
21-11-04111- 008	107-124-W- 20B			<5.00	1.00	<5.00	
21-11-04111- 009	107-124-W- 21A			6.86	1.00	6.86	
21-11-04111- 010	107-124-W- 22A			<5.00	1.04	<4.81	
21-11-04111- 011	107-124-W- 23A			5.02	1.00	5.02	
21-11-04111- 012	107-124-W- 24A			<5.00	1.04	<4.81	
21-11-04111- 013	107-124-W- 21B			<5.00	1.00	<5.00	
21-11-04111- 014	107-124-W- 22B			<5.00	1.00	<5.00	

Client Number: 26-3514 Report Number: 21-11-04111

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft²)	Concentration (ug/ft²)	Narrative ID
21-11-04111- 015	107-124-W- 23B			<5.00	1.00	<5.00	
21-11-04111- 016	107-124-W- 24B			<5.00	1.00	<5.00	
21-11-04111- 017	107-124-W- 25A			10.6	1.00	10.6	
21-11-04111- 018	107-124-W- 26A			5.96	1.00	5.96	
21-11-04111- 019	107-124-W- 25B			<5.00	1.00	<5.00	
21-11-04111- 020	107-124-W- 26B			<5.00	1.00	<5.00	
21-11-04111- 021	107-124-W- 27B			<5.00	1.00	<5.00	
21-11-04111- 022	107-124-W- 28B			<5.00	1.00	<5.00	
21-11-04111- 023	107-124-W- 27A			<5.00	1.00	<5.00	
21-11-04111- 024	107-124-W- 29B			<5.00	1.00	<5.00	

Client Number: 26-3514 Report Number: 21-11-04111

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Client Sample Collection Location Surface Total Pb Wipe Area Concentration Narrative Number (ug) (ft²) (ug/ft²) ID

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #:

Reviewed By Authorized Signatory:

Melissa Kanode QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft²	≥ 10 µg/ft²
Hazard Standard, Sills	≥ 100 µg/ft²	≥ 100 µg/ft²
Clearance, Floors	< 10 μg/ft²	< 10 μg/ft²
Clearance, Sills	< 100 μg/ft²	< 100 μg/ft²
Clearance, Troughs	< 400 μg/ft²	< 100 μg/ft²
Clearance, Porch Floors	Not Regulated	< 40 μg/ft²

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft2 are calculated based on area supplied 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.

ELLAP Accrediitation through AIHA LAP, LLC (100420), NY ELAP #11714.

Legend	ug = microgram	ug/ft² = micrograms per square foot	Pb = lead
	mL = milliliter	ft ² = square foot	

Metals Chain of Custody Form

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Portal Contact Added

2 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

21-11-04111



Due Date: 11/30/2021 (Tuesday)



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Metals Chain of Custody Form

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Sample	Location	Analyte	Result	Units	Recommended
Number					Limits ¹
107-A-01	Field blank	Arsenic	< 0.15	μg	
		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	
107-102-A-01	S end of room; desk on corner by W door	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.041	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-106-A-01	S end; break room counter	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.041	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-124-A-01	Break room; top of microwave	Arsenic	< 0.22	μg/m³	10
		Barium	< 0.22	μg/m³	500
		Cadmium	< 0.043	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.22	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.22	μg/m³	10
107-124-A-02	SW end of room; corner of admin desk by S entrance	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.042	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-100-A-01	Admin desk; above shredder	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.041	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-A-02	Field blank	Arsenic	< 0.15	μg	
		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	
107-102-A-02	NW side of room; table by closet	Arsenic	< 0.21	μg/m³	10
107 102 77 02		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.042	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-106-A-02	NW side of room; table on W wall below TV	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.042	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-124-A-03	Top of cabinet on cube #2; W side of room	Arsenic	< 0.16	μg/m³	10
		Barium	< 0.16	μg/m³	500
		Cadmium	< 0.032	μg/m³	5
		Chromium	< 0.79	μg/m³	500
		Lead	< 0.16	μg/m³	50
		Selenium	< 0.79	μg/m³	200
		Silver	< 0.16	μg/m³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-124-A-04	Top of filing cabinet in center of room; near supply closet door	Arsenic	< 0.17	μg/m³	10
		Barium	< 0.17	μg/m³	500
		Cadmium	< 0.033	μg/m³	5
		Chromium	< 0.81	μg/m³	500
		Lead	< 0.17	μg/m³	50
		Selenium	< 0.81	μg/m³	200
		Silver	< 0.17	μg/m³	10
107-100-A-02	Table on SE portion of room	Arsenic	< 0.22	μg/m³	10
		Barium	< 0.22	μg/m³	500
		Cadmium	< 0.043	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.22	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.22	μg/m³	10
107-A-03	Field Blank	Arsenic	< 0.15	μg	
107 7. 03		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	
107-102-A-03	Desk in SE corner of room; E side of desk	Arsenic	< 0.20	μg/m³	10
		Barium	< 0.20	μg/m³	500
		Cadmium	< 0.040	μg/m³	5
		Chromium	< 1.0	μg/m³	500
		Lead	< 0.20	μg/m³	50
		Selenium	< 1.0	μg/m³	200
		Silver	< 0.20	μg/m³	10
107-106-A-03	Desk in SE corner of room; S end of desk	Arsenic	< 0.20	μg/m³	10
		Barium	< 0.20	μg/m³	500
		Cadmium	< 0.040	μg/m³	5
		Chromium	< 0.99	μg/m³	500
		Lead	0.26	μg/m³	50
		Selenium	< 0.99	μg/m³	200
		Silver	< 0.20	μg/m³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-124-A-05	Table in Huddle Room #1	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.042	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-124-A-06	N most desk on E side of room; S of room 127	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.042	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-100-A-03	Window sill by desk in NW corner of room	Arsenic	< 0.20	μg/m³	10
		Barium	< 0.20	μg/m³	500
		Cadmium	< 0.040	μg/m³	5
		Chromium	< 1.0	μg/m³	500
		Lead	< 0.20	μg/m³	50
		Selenium	< 1.0	μg/m³	200
		Silver	< 0.20	μg/m³	10
107-A-04	Field Blank	Arsenic	< 0.15	μg	
		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	
107-102-A-04	NE desk; E corner of desk near window	Arsenic	< 0.24	μg/m³	10
		Barium	< 0.24	μg/m³	500
		Cadmium	< 0.048	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.24	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.24	μg/m³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-106-A-04	NE desk; below window	Arsenic	< 0.25	μg/m³	10
		Barium	< 0.25	μg/m³	500
		Cadmium	< 0.049	μg/m³	5
		Chromium	< 1.3	μg/m³	500
		Lead	< 0.25	μg/m³	50
		Selenium	< 1.3	μg/m³	200
		Silver	< 0.25	μg/m³	10
107-124-A-07	Room 127; corner of NE desk	Arsenic	< 0.24	μg/m³	10
		Barium	< 0.24	μg/m³	500
		Cadmium	< 0.048	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.24	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.24	μg/m³	10
107-124-A-08	Room 127; huddle room table	Arsenic	< 0.24	μg/m³	10
		Barium	< 0.24	μg/m³	500
		Cadmium	< 0.048	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.24	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.24	μg/m³	10
107-100-A-04	NE corner of room; top of small filing cabinet	Arsenic	< 0.25	μg/m³	10
		Barium	< 0.25	μg/m³	500
		Cadmium	< 0.049	μg/m³	5
		Chromium	< 1.3	μg/m³	500
		Lead	< 0.25	μg/m³	50
		Selenium	< 1.3	μg/m³	200
		Silver	< 0.25	μg/m³	10
107-A-05	Field Blank	Arsenic	< 0.15	μg	
		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-102-A-05	SW end desk; S portion of desk	Arsenic	< 0.25	μg/m³	10
		Barium	< 0.25	μg/m³	500
		Cadmium	< 0.049	μg/m³	5
		Chromium	< 1.3	μg/m³	500
		Lead	< 0.25	μg/m³	50
		Selenium	< 1.3	μg/m³	200
		Silver	< 0.25	μg/m³	10
107-106-A-05	Break room; top of counter on S wall	Arsenic	< 0.23	μg/m³	10
		Barium	< 0.23	μg/m³	500
		Cadmium	< 0.046	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.23	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.23	μg/m³	10
107-124-A-09	Break room; round table	Arsenic	< 0.25	μg/m³	10
107 12 177 03		Barium	< 0.25	μg/m³	500
		Cadmium	< 0.049	μg/m³	5
		Chromium	< 1.3	μg/m³	500
		Lead	< 0.25	μg/m³	50
		Selenium	< 1.3	μg/m³	200
		Silver	< 0.25	μg/m³	10
107-124-A-10	Admin desk; portion on S wall	Arsenic	< 0.25	μg/m³	10
		Barium	< 0.25	μg/m³	500
		Cadmium	< 0.049	μg/m³	5
		Chromium	< 1.3	μg/m³	500
		Lead	< 0.25	μg/m³	50
		Selenium	< 1.3	μg/m³	200
		Silver	< 0.25	μg/m³	10
107-100-A-05	Admin desk; top of filing cabinet on S wall	Arsenic	< 0.25	μg/m³	10
		Barium	< 0.25	μg/m³	500
		Cadmium	< 0.050	μg/m³	5
		Chromium	< 1.3	μg/m³	500
		Lead	< 0.25	μg/m³	50
		Selenium	< 1.3	μg/m³	200
		Silver	< 0.25	μg/m³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
	Field Die d	A	. 0.15		Lillits
107-A-06	Field Blank	Arsenic	< 0.15	μg	
		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	
107-102-A-06	Supply table in NW corner of room	Arsenic	< 0.14	μg/m³	10
		Barium	< 0.14	μg/m³	500
		Cadmium	< 0.028	μg/m³	5
		Chromium	< 0.70	μg/m³	500
		Lead	< 0.14	μg/m³	50
		Selenium	< 0.70	μg/m³	200
		Silver	< 0.14	μg/m³	10
107-106-A-06	Round conference table in center of room	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.041	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-124-A-11	Top of storage cabinet in 2nd cubicle on W side; N of S entrance	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m³	500
		Cadmium	< 0.041	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.21	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.21	μg/m³	10
107-124-A-12	Top of storage cabinet in 3rd cubicle on E side; N of S entrance	Arsenic	< 0.21	μg/m³	10
		Barium	< 0.21	μg/m ³	500
		Cadmium	< 0.041	μg/m ³	5
		Chromium	< 1.1	μg/m ³	500
		Lead	< 0.21	μg/m ³	50
		Selenium	< 1.1	μg/m ³	200
		Silver	< 0.21	μg/m ³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-100-A-06	Chair next to W entrance	Arsenic	< 0.20	μg/m³	10
		Barium	< 0.20	μg/m³	500
		Cadmium	< 0.040	μg/m³	5
		Chromium	< 1.0	μg/m³	500
		Lead	< 0.20	μg/m³	50
		Selenium	< 1.0	μg/m³	200
		Silver	< 0.20	μg/m³	10
107-A-07	Field Blank	Arsenic	< 0.15	μg	
		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	
107-102-A-07	Top of storage cabinet on SE wall	Arsenic	< 0.22	μg/m³	10
		Barium	< 0.22	μg/m³	500
		Cadmium	< 0.043	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.22	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.22	μg/m³	10
107-106-A-07	Table running N to S on E wall	Arsenic	< 0.25	μg/m³	10
		Barium	< 0.25	μg/m³	500
		Cadmium	< 0.050	μg/m³	5
		Chromium	< 1.3	μg/m³	500
		Lead	< 0.25	μg/m³	50
		Selenium	< 1.3	μg/m³	200
		Silver	< 0.25	μg/m³	10
107-124-A-13	Windowsill on NW side of room	Arsenic	< 0.23	μg/m³	10
		Barium	< 0.23	μg/m³	500
		Cadmium	< 0.046	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.23	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.23	μg/m³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-124-A-14	Window sill on NE side of room	Arsenic	< 0.22	μg/m³	10
		Barium	< 0.22	μg/m³	500
		Cadmium	< 0.044	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.22	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.22	μg/m³	10
107-100-A-07	Windowsill on NW side of room	Arsenic	< 0.22	μg/m³	10
		Barium	< 0.22	μg/m³	500
		Cadmium	< 0.044	μg/m³	5
		Chromium	< 1.1	μg/m³	500
		Lead	< 0.22	μg/m³	50
		Selenium	< 1.1	μg/m³	200
		Silver	< 0.22	μg/m³	10
107-A-08	Field Blank	Arsenic	< 0.15	μg	
		Barium	< 0.15	μg	
		Cadmium	< 0.030	μg	
		Chromium	< 0.75	μg	
		Lead	< 0.15	μg	
		Selenium	< 0.75	μg	
		Silver	< 0.15	μg	
107-102-A-08	NE desk; W corner of desk	Arsenic	< 0.23	μg/m³	10
		Barium	< 0.23	μg/m³	500
		Cadmium	< 0.045	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.23	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.23	μg/m³	10
107-106-A-08	Desk on S wall near SE window	Arsenic	< 0.23	μg/m³	10
		Barium	< 0.23	μg/m³	500
		Cadmium	< 0.045	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.23	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.23	μg/m³	10

Sample Number	Location	Analyte	Result	Units	Recommended Limits ¹
107-124-A-15	Room 104; Conference room table	Arsenic	< 0.23	μg/m³	10
		Barium	< 0.23	μg/m³	500
		Cadmium	< 0.046	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.23	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.23	μg/m³	10
107-124-A-16	Room 127; NW desk	Arsenic	< 0.17	μg/m³	10
		Barium	< 0.17	μg/m³	500
		Cadmium	< 0.034	μg/m³	5
		Chromium	< 0.83	μg/m³	500
		Lead	< 0.17	μg/m³	50
		Selenium	< 0.83	μg/m³	200
		Silver	< 0.17	μg/m³	10
107-100-A-08	NE desk on N wall	Arsenic	< 0.23	μg/m³	10
		Barium	< 0.23	μg/m³	500
		Cadmium	< 0.045	μg/m³	5
		Chromium	< 1.2	μg/m³	500
		Lead	< 0.23	μg/m³	50
		Selenium	< 1.2	μg/m³	200
		Silver	< 0.23	μg/m³	10

Notes:

¹Limits equal to the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs)





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

Telephone: 800.347.4010

Air Metals Analysis Report

Client: Burns & McDonnell Engineering

9400 Ward Pkwy.

Kansas City, MO 64114

Report Number: 21-11-02559

Received Date: 11/16/2021 Reported Date: 11/19/2021

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Client Number: 26-3514 Laboratory Results

Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
21-11-02559-001	107-A-01	11/18/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-02559-002	10-7102-A-01	11/18/2021	Arsenic (As)	735	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.041	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-02559-003	107-106-A-01	11/18/2021	Arsenic (As)	733	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.041	

Client Number: 26-3514 Report Number: 21-11-02559

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-02559-004	107-124-A-01	11/18/2021	Arsenic (As)	713	<0.15	<0.22	
			Barium (Ba)		<0.15	<0.22	
			Cadmium (Cd)		<0.030	<0.043	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.22	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.22	
21-11-02559-005	107-124-A-02	11/18/2021	Arsenic (As)	715	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.042	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-02559-006	107-100-A-01	11/18/2021	Arsenic (As)	738	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.041	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	

Client Number: 26-3514 Report Number: 21-11-02559

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
21-11-02559-007	107-A-02	11/18/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-02559-008	107-102-A-02	11/18/2021	Arsenic (As)	721	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.042	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-02559-009	107-106-A-02	11/18/2021	Arsenic (As)	717	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.042	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-02559-010	107-124-A-03	11/19/2021	Arsenic (As)	961	<0.15	<0.16	
			Barium (Ba)		<0.15	<0.16	
			Cadmium (Cd)		<0.030	<0.032	
			Chromium (Cr)		<0.75	<0.79	

Client Number: 26-3514 Report Number: 21-11-02559

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Lead (Pb)		<0.15	<0.16	
			Selenium (Se)		<0.75	<0.79	
			Silver (Ag)		<0.15	<0.16	
21-11-02559-011	107-124-A-04	11/19/2021	Arsenic (As)	928	<0.15	<0.17	
			Barium (Ba)		<0.15	<0.17	
			Cadmium (Cd)		<0.030	<0.033	
			Chromium (Cr)		<0.75	<0.81	
			Lead (Pb)		<0.15	<0.17	
			Selenium (Se)		<0.75	<0.81	
			Silver (Ag)		<0.15	<0.17	
21-11-02559-012	107-100-A-02	11/19/2021	Arsenic (As)	710	<0.15	<0.22	
			Barium (Ba)		<0.15	<0.22	
			Cadmium (Cd)		<0.030	<0.043	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.22	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.22	
21-11-02559-013	107-A-03	11/19/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-02559-014	107-102-A-03	11/19/2021	Arsenic (As)	755	<0.15	<0.20	

Client Number: 26-3514 Report Number: 21-11-02559

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Barium (Ba)		<0.15	<0.20	
			Cadmium (Cd)		<0.030	<0.040	
			Chromium (Cr)		<0.75	<1.0	
			Lead (Pb)		<0.15	<0.20	
			Selenium (Se)		<0.75	<1.0	
			Silver (Ag)		<0.15	<0.20	
21-11-02559-015	107-W-03	11/19/2021	Arsenic (As)	760	<0.15	<0.20	
			Barium (Ba)		<0.15	<0.20	
			Cadmium (Cd)		<0.030	<0.040	
			Chromium (Cr)		<0.75	<0.99	
			Lead (Pb)		0.20	0.26	
			Selenium (Se)		<0.75	<0.99	
			Silver (Ag)		<0.15	<0.20	
21-11-02559-016	107-124-A-05	11/19/2021	Arsenic (As)	729	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.042	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-02559-017	107-124-A-06	11/19/2021	Arsenic (As)	727	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.042	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	

Client Number: 26-3514 Report Number: 21-11-02559

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-02559-018	107-100-A-03	11/19/2021	Arsenic (As)	750	<0.15	<0.20	
			Barium (Ba)		<0.15	<0.20	
			Cadmium (Cd)		<0.030	<0.040	
			Chromium (Cr)		<0.75	<1.0	
			Lead (Pb)		<0.15	<0.20	
			Selenium (Se)		<0.75	<1.0	
			Silver (Ag)		<0.15	<0.20	
21-11-02559-019	107-A-04	11/19/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-02559-020	107-102-A-04	11/19/2021	Arsenic (As)	627	<0.15	<0.24	
			Barium (Ba)		<0.15	<0.24	
			Cadmium (Cd)		<0.030	<0.048	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.24	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.24	
21-11-02559-021	107-106-A-04	11/19/2021	Arsenic (As)	621	<0.15	<0.25	
			Barium (Ba)		<0.15	<0.25	

Client Number: 26-3514 Report Number: 21-11-02559

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Cadmium (Cd)		<0.030	<0.049	
			Chromium (Cr)		<0.75	<1.3	
			Lead (Pb)		<0.15	<0.25	
			Selenium (Se)		<0.75	<1.3	
			Silver (Ag)		<0.15	<0.25	
21-11-02559-022	107-124-A-07	11/19/2021	Arsenic (As)	626	<0.15	<0.24	
			Barium (Ba)		<0.15	<0.24	
			Cadmium (Cd)		<0.030	<0.048	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.24	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.24	
21-11-02559-023	107-124-A-08	11/19/2021	Arsenic (As)	625	<0.15	<0.24	
			Barium (Ba)		<0.15	<0.24	
			Cadmium (Cd)		<0.030	<0.048	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.24	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.24	
21-11-02559-024	107-100-A-04	11/19/2021	Arsenic (As)	619	<0.15	<0.25	
			Barium (Ba)		<0.15	<0.25	
			Cadmium (Cd)		<0.030	<0.049	
			Chromium (Cr)		<0.75	<1.3	
			Lead (Pb)		<0.15	<0.25	
			Selenium (Se)		<0.75	<1.3	

Client Number: 26-3514 Report Number: 21-11-02559

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Silver (Ag)		<0.15	<0.25	

Sample Narratives:

Method: NIOSH 7300M Analyst: Kailee Guthrie

(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 15mL volume. The reporting limit is 0.03ug for Cadmium, 0.15ug for Arsenic, Barium, Lead and Silver, and 0.75ug for Chromium and Selenium.

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. NY ELAP #11714.

 LEGEND
 ug = microgram
 ug/m³ = micrograms per cubic meter

 mL = milliller L = Liters

Metals Chain of Custody Form

Pg i of A

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}	Co	ompany Address	9400 Ward	<u> </u>									City/S	tate	e/Z	ip	Ka	ns	as City	, MO	64114	1
رمين محمد		Phone	314-302-4	661										E	ma	ai∣	ea	ah	lemey	er@l	burns	mcd.com
12/11/11/20	P	roject Name / Tes	ting Address	GFC / 4300) G	00	dfe	llo	w E	3Iv	b											
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21-11-02559



Due Date: 11/19/2021 (Friday) EL

MM-L

Metals Chain of Custody Form

Pg 2 of 2

Company Address 9400 Ward Parkway City/State/Zip Kansas City, MO 64114		Company Name	Burns & McDonnell	rns & McDonnell								Account # 26-3514									
Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / 4300 Goodfellow Blvd Project Name / Testing Address GFC / T	Co	mpany Address	9400 Ward Parkway				-				· n=-	City/S	Stat	e/Z	ip	Ka	ans	as City		6411	
Project Name / Testing Address GFC / 4300 Goodfellow Blvd PO Number 168765 Collected By A SALLY ANST-Cell III Turn-Around Time R 3 DAY C 2 DAY C 1 DAY C SAME DAY OR WEEKEND - Must call Ahead METALS PARTICULATES AIR WIPES				7404										Ema	ail				-	/A	
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LAB USE ONLY – BELOW THIS LINE		Signature: (b	0) (6)																	<u></u>	
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F RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadiab.com



Attach Laboratory Label Here



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

Telephone: 800.347.4010

Air Metals Analysis Report

Client: Burns & McDonnell Engineering

9400 Ward Pkwy.

Kansas City, MÓ 64114

Report Number: 21-11-04063

Received Date:

11/23/2021

Reported Date: 11/30/2021

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

Client Number: 26-3514 Laboratory Results Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
21-11-04063-001	107-A-05	11/29/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-04063-002	107-102-A-05	11/29/2021	Arsenic (As)	613	<0.15	<0.25	
			Barium (Ba)		<0.15	<0.25	
			Cadmium (Cd)		<0.030	<0.049	
			Chromium (Cr)		<0.75	<1.3	
			Lead (Pb)		<0.15	<0.25	
			Selenium (Se)		<0.75	<1.3	
			Silver (Ag)		<0.15	<0.25	
21-11-04063-003	107-106-A-05	11/29/2021	Arsenic (As)	653	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	
			Cadmium (Cd)		<0.030	<0.046	

Client Number: 26-3514 Report Number: 21-11-04063

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

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.23	
21-11-04063-004	107-124-A-09	11/29/2021	Arsenic (As)	614	<0.15	<0.25	
			Barium (Ba)		<0.15	<0.25	
			Cadmium (Cd)		<0.030	<0.049	
			Chromium (Cr)		<0.75	<1.3	
			Lead (Pb)		<0.15	<0.25	
			Selenium (Se)		<0.75	<1.3	
			Silver (Ag)		<0.15	<0.25	
21-11-04063-005	107-124-A-10	11/29/2021	Arsenic (As)	614	<0.15	<0.25	
			Barium (Ba)		<0.15	<0.25	
			Cadmium (Cd)		<0.030	<0.049	
			Chromium (Cr)		<0.75	<1.3	
			Lead (Pb)		<0.15	<0.25	
			Selenium (Se)		<0.75	<1.3	
			Silver (Ag)		<0.15	<0.25	
21-11-04063-006	107-100-A-05	11/29/2021	Arsenic (As)	600	<0.15	<0.25	
			Barium (Ba)		<0.15	<0.25	
			Cadmium (Cd)		<0.030	<0.050	
			Chromium (Cr)		<0.75	<1.3	
			Lead (Pb)		<0.15	<0.25	
			Selenium (Se)		<0.75	<1.3	
			Silver (Ag)		<0.15	<0.25	

Client Number: 26-3514 Report Number: 21-11-04063

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

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
21-11-04063-007	107-A-06	11/29/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-04063-008	107-102-A-06	11/29/2021	Arsenic (As)	1080	<0.15	<0.14	
			Barium (Ba)		<0.15	<0.14	
			Cadmium (Cd)		<0.030	<0.028	
			Chromium (Cr)		<0.75	<0.70	
			Lead (Pb)		<0.15	<0.14	
			Selenium (Se)		<0.75	<0.70	
			Silver (Ag)		<0.15	<0.14	
21-11-04063-009	107-106-A-06	11/29/2021	Arsenic (As)	736	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.041	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		0.19	0.25	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-04063-010	107-124-A-11	11/29/2021	Arsenic (As)	733	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.041	
			Chromium (Cr)		<0.75	<1.1	

Client Number: 26-3514 Report Number: 21-11-04063

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

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-04063-011	107-124-A-12	11/29/2021	Arsenic (As)	735	<0.15	<0.21	
			Barium (Ba)		<0.15	<0.21	
			Cadmium (Cd)		<0.030	<0.041	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.21	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.21	
21-11-04063-012	107-100-A-06	11/29/2021	Arsenic (As)	755	<0.15	<0.20	
			Barium (Ba)		<0.15	<0.20	
			Cadmium (Cd)		<0.030	<0.040	
			Chromium (Cr)		<0.75	<1.0	
			Lead (Pb)		<0.15	<0.20	
			Selenium (Se)		<0.75	<1.0	
			Silver (Ag)		<0.15	<0.20	
21-11-04063-013	107-A-07	11/29/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-04063-014	107-102-A-07	11/29/2021	Arsenic (As)	699	<0.15	<0.22	

Client Number: 26-3514 Report Number: 21-11-04063

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

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Barium (Ba)		<0.15	<0.22	
			Cadmium (Cd)		<0.030	<0.043	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.22	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.22	
21-11-04063-015	107-106-A-07	11/29/2021	Arsenic (As)	607	<0.15	<0.25	
			Barium (Ba)		<0.15	<0.25	
			Cadmium (Cd)		<0.030	<0.050	
			Chromium (Cr)		<0.75	<1.3	
			Lead (Pb)		<0.15	<0.25	
			Selenium (Se)		<0.75	<1.3	
			Silver (Ag)		<0.15	<0.25	
21-11-04063-016	107-124-A-13	11/29/2021	Arsenic (As)	658	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	
			Cadmium (Cd)		<0.030	<0.046	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.23	
21-11-04063-017	107-124-A-14	11/29/2021	Arsenic (As)	659	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	
			Cadmium (Cd)		<0.030	<0.046	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	

Client Number: 26-3514 Report Number: 21-11-04063

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

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.23	
21-11-04063-018	107-100-A-07	11/29/2021	Arsenic (As)	689	<0.15	<0.22	
			Barium (Ba)		<0.15	<0.22	
			Cadmium (Cd)		<0.030	<0.044	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		<0.15	<0.22	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.22	
21-11-04063-019	107-A-08	11/29/2021	Arsenic (As)	0	<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
21-11-04063-020	107-102-A-08	11/29/2021	Arsenic (As)	681	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	
			Cadmium (Cd)		<0.030	<0.045	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.23	
21-11-04063-021	107-106-A-08	11/29/2021	Arsenic (As)	674	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	

Client Number: 26-3514 Report Number: 21-11-04063

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

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Cadmium (Cd)		<0.030	<0.045	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.23	
21-11-04063-022	107-124-A-15	11/29/2021	Arsenic (As)	666	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	
			Cadmium (Cd)		<0.030	<0.046	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.23	
21-11-04063-023	107-124-A-16	11/29/2021	Arsenic (As)	905	<0.15	<0.17	
			Barium (Ba)		<0.15	<0.17	
			Cadmium (Cd)		<0.030	<0.034	
			Chromium (Cr)		<0.75	<0.83	
			Lead (Pb)		<0.15	<0.17	
			Selenium (Se)		<0.75	<0.83	
			Silver (Ag)		<0.15	<0.17	
21-11-04063-024	107-100-A-08	11/29/2021	Arsenic (As)	671	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	
			Cadmium (Cd)		<0.030	<0.045	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	
			Selenium (Se)		<0.75	<1.2	

Client Number: 26-3514 Report Number: 21-11-04063

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

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
			Silver (Ag)		<0.15	<0.23	
21-11-04063-025	104-A-01	11/29/2021	Arsenic (As)		<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		
Sample Narrative	s:						

Method: NIOSH 7300M Analyst: Kailee Guthrie

Reviewed By Authorized Signatory:

(b) (6)

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 15mL volume. The reporting limit is 0.03ug for Cadmium, 0.15ug for Arsenic, Barium, Lead and Silver, and 0.75ug for Chromium and Selenium.

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. NY ELAP #11714.

LEGEND ug = microgram ug/m³ = micrograms per cubic meter
mL = milliliter L= Liters

Metals Chain of Custody Form

Pg ____ of ____

	Company Name	Bu	Burns & McDonnell											Account # 26-3514								
Со	mpany Address	94	9400 Ward Parkway											tat	e/Zi	p	Ka	ns	as City	, MO	6411	4
	Phone	314-302-4661											Email eaahlemeyer@burnsmcd.com									
Р	roject Name / Te	sting	sting Address GFC / 4300 Goodfellow Blvd																			
	PO Number	16	8765	nw					Ŀ	Coll	ect	ed By										
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AB NUMBER	Client	Collection				8	taf	rofile	Profile	ď	-B			Fotal Nuisance Dust	ust	etric	-		Total Time	Flow Rate	Vol.	AREA
LAB NI	Sample ID		Date & Time	2	Pb TCLP	TCLP RCRA	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	M	Other Metals		Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Mins.	L/min.	Total Liters	Circle The Unit of Measurement Used Cm or in
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LAB USE ONLY - BELOW THIS LINE

Received By: Contact Added

Portal Contact Added

Portal Contact Added

Portal Contact Added

Portal Contact Added

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

Time: 16030

Time: 16030

Time: 16030

21-11-04063

Due Date: 11/30/2021

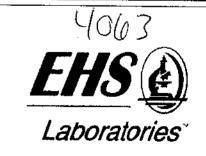
(Tuesday)

EL MM-L

Metals Chain of Custody Form

Pg 2_ of 3

	Company Name	Burns & M	cDonnell		•							A	cco	unt	#	26	3-3	514			
Co	ompany Address	9400 Ward												e/Z	iρ	Κá	ans	as City	/, MO	6411	4
	Phone	314-302-4		Email eaahlemeyer@burnsmcd.com								T-11=11									
F	roject Name / Te	sting Address	ting Address GFC / 4300 Goodfellow Blvd												_	•					
	PO Number	168765	,,,_,,						Col	lect	ed By							•			DUITE IV.
Tu	rn-Around Time	🌣 3 DAY	X3 DAY C2 DAY C1 DAY										DA	Y O	R W	EE	KEN	ID - Mus	t Call /	lhead	
						Μŧ	ΞΤÆ	۱LS	i				Р	ART	ICU	LAT	E\$		AIR	<u> </u>	WIPES
ABNUMBEA	Client		ection		4.8	taľ	rofile	Profile	<u>_</u>	- <u>e</u>			e Dust	Sust	tric		Ī	Yotal Time	Flow Rate	Vol.	AREA
1861	Sample ID	Date	& Time	Pb TCLP	TCLP RCRA	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP		Oth Met	als	Total Nuisance	Respirable Dust	TSP Gravimetric	TSP Pb	PIM- 10	Mins.	L/min.	Total Liters	Circle The Unit of Measurement Used CM or in
2	197-129-A - 13	11/18	1354								My, As, i							267		65 S	x
2	107-124-A-14	 	1354	ļ														201		654	×
3	107-108 -A-07	7 1	1358															77°C		689	х
4	107-1-08	4/19	0715								<u></u>							NΑ		NA	x
5	197-100-A-08	1	1207										.					208		6 81	×
6	80-1-100-1-08		1203)							268		674	х
7	07-124-A-15		1205							j								⊅ 6'7		666	х
8	107 124 - A-16		1334			İ					ì		-					360		905	х
9	67-100 A 08		1904									,						<i>20</i> 8	*··-	671	x
10	* RYYC	1 Saur	101e 16	\mathcal{L}	1	JV.	7		V	\mathcal{K}	<u>09190</u>	\mathcal{O}						32.C7.C		,,,	x
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12		,(b) (6) II ZIQ	17	}		\top	Ī			- 00.2				\neg				 .		x
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15						\top	+	_	\dashv	\dashv				\dashv	-						× ,
	Released By: AShley Anstalt Date: 11/20/21 Time: 1680																				
	Signature:	(b) (6)			<u> </u>		-			I		<u> </u>	/ "	<u> </u>				rung,	11000		.,,
					L	AB L	JSE	ONL	Y – £	BELO	W THIS LIN	ЛЕ									



Attach Laboratory Label Here