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

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) µg/sq. ft = micrograms per square foot of surface area.
(c) Clean Area Limit per Brookhaven IH75190=OSHA Housekeeping Limit [[PEL (µg/m^3) x 10 m^3/100cm^2] x 929cm^2/sq.ft.] / 15.
(d) Lead clean area limit: Brookhaven references EPA/HUD limit for floors, set at 10 µg/sq. ft. as of January 2020.

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 µg/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.

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.

Sincerely,

(b) (6)

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.

APPENDIX A – WIPE SAMPLING SUMMARY TABLE

Appendix A
Sample Summary Table

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	5.86	µg/ft^2	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	10
107-100-W-01B	Desk in SW portion of room	In front of printer on desk	Lead	< 5.00	µg/ft^2	10
107-100-W-02B	Printer/copier on desk	Top of printer/copier	Lead	< 5.00	µg/ft^2	10
107-100-W-03A	SE portion of room	L-shaped duct above door	Lead	6.88	µg/ft^2	10
107-100-W-04A	SE portion of room	Hanging light closest to door	Lead	9.08	µg/ft^2	10
107-100-W-03B	Table on SE wall	Top of Digit-10 Inkless System	Lead	< 5.15	µg/ft^2	10
107-100-W-04B	SE portion of room	Small wooden side table near door	Lead	< 5.00	µg/ft^2	10
107-100-W-05A	NW portion of room	Duct line running N to S;	Lead	5.30	µg/ft^2	10
107-100-W-06A	NW portion of room	Hanging light on W side of room	Lead	6.46	µg/ft^2	10
107-100-W-05B	NW portion of room	Desk/table on W side of room	Lead	< 5.00	µg/ft^2	10
107-100-W-06B	NW portion of room	Top of "Handy Clean" wipe station	Lead	< 5.00	µg/ft^2	10
107-100-W-07A	NE portion of room	Hanging light in NE corner	Lead	9.04	µg/ft^2	10
107-100-W-08A	NE portion of room	L-shaped duct in NE corner	Lead	6.06	µg/ft^2	10
107-100-W-07B	NE portion of room	Desk/table in NE corner	Lead	< 5.00	µg/ft^2	10
107-100-W-08B	NE portion of room	Top of small filing cabinet	Lead	< 5.00	µg/ft^2	10
107-102-W-01A	SW portion of room	Hanging light above desk	Lead	13.4**	µg/ft^2	10
107-102-W-02A	S portion of room	Large duct running N to S above vent	Lead	7.41	µg/ft^2	10
107-102-W-01B	SW portion of room	Corner of desk near door	Lead	< 5.00	µg/ft^2	10
107-102-W-02B	SW portion of room	Top of shelf above desk near door	Lead	< 5.00	µg/ft^2	10
107-102-W-03A	NW portion of room	Hanging light in front of door to room 106	Lead	12.4**	µg/ft^2	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/ft^2	10
107-102-W-03B	NW portion of room	Supply table on W wall	Lead	< 5.00	µg/ft^2	10
107-102-W-04B	NW portion of room; supply closet	Table	Lead	< 5.00	µg/ft^2	10
107-102-W-05A	SE portion of room	Hanging light W of E entrance	Lead	13.4**	µg/ft^2	10

Appendix A
Sample Summary Table

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/ft^2	10
107-102-W-05B	SE portion of room	Top of desk on SE wall	Lead	< 5.00	µg/ft^2	10
107-102-W-06B	Center of room	Supply table	Lead	< 5.00	µg/ft^2	10
107-102-W-07A	NE portion of room	Hanging light	Lead	14.8**	µg/ft^2	10
107-102-W-08A	NE portion of room	L-shaped duct on NE wall	Lead	6.10	µg/ft^2	10
107-102-W-07B	NE portion of room	Top of desk on NE wall	Lead	< 5.00	µg/ft^2	10
107-102-W-08B	NE portion of room	Shelf above desk on NE wall	Lead	< 5.46	µg/ft^2	10
107-106-W-01A	Break room	Hanging light	Lead	10.1**	µg/ft^2	10
107-106-W-02A	Break room	Duct line with vent above refrigerator	Lead	7.58	µg/ft^2	10
107-106-W-01B	Break room	Top of microwave	Lead	< 5.00	µg/ft^2	10
107-106-W-02B	Break room	Top of counter next to sink	Lead	< 5.00	µg/ft^2	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	µg/ft^2	10
107-106-W-03B	W portion of room	Conference table near N wall	Lead	< 5.00	µg/ft^2	10
107-106-W-04B	W portion of room	Table below TV on W wall	Lead	< 5.00	µg/ft^2	10
107-106-W-05A	SE portion of room	Hanging light	Lead	8.38	µg/ft^2	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/ft^2	10
107-106-W-05B	SE portion of room	Top of desk in SE corner	Lead	< 5.00	µg/ft^2	10
107-106-W-06B	SE portion of room	Top of long desk adjacent to S window	Lead	< 5.00	µg/ft^2	10
107-106-W-07A	NE portion of room	Duct running E to W; above desk in NE corner	Lead	< 4.81	µg/ft^2	10
107-106-W-08A	NE portion of room	Hanging light	Lead	5.36	µg/ft^2	10
107-106-W-07B	NE portion of room	Top of desk in NE corner	Lead	< 5.00	µg/ft^2	10
107-106-W-08B	NE portion of room	Tall desk in NE corner	Lead	< 5.00	µg/ft^2	10
107-124-W-01A	SE portion of room	Hanging light above admin desk	Lead	13.2**	µg/ft^2	10
107-124-W-02A	SE portion of room	Top of large duct line; above hanging light	Lead	< 5.00	µg/ft^2	10

Appendix A
Sample Summary Table

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

Appendix A
Sample Summary Table

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/ft^2	10
107-124-W-16A	Room 127; E of hallway entrance	Large duct running N to S	Lead	< 5.00	µg/ft^2	10
107-124-W-13B	Room 127	Top of conference table	Lead	< 5.00	µg/ft^2	10
107-124-W-14B	Room 127	Long desk against N wall	Lead	< 5.00	µg/ft^2	10
107-124-W-15B	Room 127; Huddle room	Top of table	Lead	< 5.00	µg/ft^2	10
107-124-W-16B	Room 127; Break area	Top of microwave	Lead	< 5.00	µg/ft^2	10
107-100-W-09A	SW portion of room	Hanging light above N end of desk	Lead	6.70	µg/ft^2	10
107-100-W-10A	SW portion of room	Dual temp return pipe; nearest to hanging light on N wall	Lead	< 5.00	µg/ft^2	10
107-100-W-09B	SW portion of room	Top of filing cabinet on S wall	Lead	< 5.00	µg/ft^2	10
107-100-W-10B	SW portion of room	Top of admin desk on S wall	Lead	< 5.00	µg/ft^2	10
107-100-W-11A	S portion of room	Large duct in center of room; runs N to S	Lead	< 4.81	µg/ft^2	10
107-100-W-11B	SE portion of room	Perimeter of admin cubicle; E side	Lead	< 5.00	µg/ft^2	10
107-100-W-12A	NW portion of room	Dual temp return pipe; above hanging light	Lead	6.48	µg/ft^2	10
107-100-W-12B	NW portion of room	Table on N wall; center of table	Lead	< 5.00	µg/ft^2	10
107-100-W-13A	NE portion of room	Large duct running E to W; above table	Lead	8.19	µg/ft^2	10
107-100-W-13B	NE portion of room	Top of desk in NE corner	Lead	< 5.00	µg/ft^2	10
107-102-W-09A	SW portion of room	Hanging light; E of hallway entrance	Lead	10.4**	µg/ft^2	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/ft^2	10
107-102-W-09B	SW portion of room	Top of desk	Lead	< 5.00	µg/ft^2	10
107-102-W-10B	SW portion of room	Cabinet on S wall above desk	Lead	< 5.46	µg/ft^2	10
107-102-W-11A	NW portion of room	Pipe running E to W; W of sprinkler head	Lead	< 5.00	µg/ft^2	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/ft^2	10
107-102-W-11B	NW portion of room	Small gray stand next to supply table	Lead	< 5.00	µg/ft^2	10
107-102-W-12B	NW portion of room	Cubicle wall perimeter	Lead	< 5.00	µg/ft^2	10
107-102-W-13A	SE portion of room	Dual temp return in front of SE window	Lead	7.02	µg/ft^2	10

Appendix A
Sample Summary Table

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

Appendix A
Sample Summary Table

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/ft^2	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/ft^2	10
107-124-W-23A	E portion of room	Hanging light above rectangular table in aisle between cubes	Lead	5.02	µg/ft^2	10
107-124-W-24A	E portion of room	Duct running E to W above 3rd cube; N of entrance	Lead	< 4.81	µg/ft^2	10
107-124-W-21B	W portion of room	Rectangular table in aisle between first cubes	Lead	< 5.00	µg/ft^2	10
107-124-W-22B	W portion of room	3rd cubicle N of entrance; W side of desk	Lead	< 5.00	µg/ft^2	10
107-124-W-23B	E portion of room	Rectangular table between cubes	Lead	< 5.00	µg/ft^2	10
107-124-W-24B	E portion of room	Tall storage cabinet; 3rd cube N of entrance	Lead	< 5.00	µg/ft^2	10
107-124-W-25A	N portion of room	Hanging light directly S of Exit sign above N entrance	Lead	10.6**	µg/ft^2	10
107-124-W-26A	N portion of room	Support beam near N wall;	Lead	5.96	µg/ft^2	10
107-124-W-25B	NW portion of room	Top of desk in Cube 5	Lead	< 5.00	µg/ft^2	10
107-124-W-26B	NW portion of room	Top of silver cabinet in cube 4	Lead	< 5.00	µg/ft^2	10
107-124-W-27B	NE portion of room	Top of bookshelf on N wall	Lead	< 5.00	µg/ft^2	10
107-124-W-28B	NE portion of room	Top of desk in far NE cubicle	Lead	< 5.00	µg/ft^2	10
107-124-W-27A	Room 127	Hanging light in center of room; S of N wall	Lead	< 5.00	µg/ft^2	10
107-124-W-29B	Room 127	Desk in NW corner in front of computer	Lead	< 5.00	µg/ft^2	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	--

Appendix A
Sample Summary Table

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

APPENDIX B – WIPE SAMPLING LABORATORY REPORT

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-02703

Client: 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 (ft^2)	Concentration (ug/ft^2)	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) [redacted]

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	ft² = square foot	

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

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

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

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
										Lead only									
1	107-100-W-01A	11/9 1131								Fluid AA									12 x 12
2	107-100-W-02A	" 1138								"									6 x 24
3	107-100-W-01B	" 1033																	12 x 12
4	107-100-W-02B	" 1035																	12 x 12
5	107-100-W-03A	11/10 0957																	6 x 24
6	107-100-W-04A	" 1002																	12 x 12
7	107-100-W-03B	" 0945																	14 x 10
8	107-100-W-04B	" 0951																	12 x 12
9	107-100-W-05A	11/11 1127																	10 x 15
10	107-100-W-06A	" 1139																	12 x 12
11	107-100-W-05B	" 1112																	12 x 12
12	107-100-W-06B	" 1120																	12 x 12
13	107-100-W-07A	11/12 0941																	12 x 12
14	107-100-W-08A	" 0945																	6 x 24
15	107-100-W-07B	" 0936																	12 x 12

Released By: Ashley Anstaett Date: 11/12/21 Time: 1630

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: H. Humphrey

Signature: (b) (6) [redacted]

Date: 11/16/21 Time: 3:08 ☐ AM ☒ PM

☐ Portal Contact Added

21-11-02703

Due Date: 11/19/2021 (Friday)

EL MM-L

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-W-03	11/12 0938								Lead only									12 x 12
2	107-W-05	11/11 0930																	NA x NA
3	107-W-06	11/11 1000																	NA x NA
4	107-W-07	11/12 0929																	NA x NA
5	107-W-08	11/12 0934																	NA x NA
6																			x
7																			x
8																			x
9																			x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

Released By: Ashley Anstaett Date: 11/12/21 Time: 1630

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: H. Humphrey

Signature: (b) (6) [redacted]

Date: 11 / 16 / 21 Time: 3 : 08 ☐ AM ☒ PM

☐ Portal Contact Added

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RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

EHS Laboratories™

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-02691

Client: 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 (ft^2)	Concentration (ug/ft^2)	Narrative ID
21-11-02691-001	107-102-W-01A			13.4	1.00	13.4	
21-11-02691-002	107-102-W-02A			7.72	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 (ft^2)	Concentration (ug/ft^2)	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) [redacted]

Tasha Eaddy

QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
Hazard Standard, Floors	≥ 10 µg/ft^2	≥ 10 µg/ft^2
Hazard Standard, Sills	≥ 100 µg/ft^2	≥ 100 µg/ft^2
Clearance, Floors	< 10 µg/ft^2	< 10 µg/ft^2
Clearance, Sills	< 100 µg/ft^2	< 100 µg/ft^2
Clearance, Troughs	< 400 µg/ft^2	< 100 µg/ft^2
Clearance, Porch Floors	Not Regulated	< 40 µg/ft^2

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/ft^2 = micrograms per square foot	Pb = lead
	mL = milliliter	ft^2 = square foot	

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett
Turn-Around Time	☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
										Lead only									
1	107-100-W-01A	11/9 0934								Flame AA									10 x 12
2	107-100-W-02A	" 0940								"									10 x 15
3	107-100-W-03B	" 0926								"									10 x 12
4	107-100-W-02B	" 0927								"									12 x 12
5	107-100-W-03A	11/10 0921								"									10 x 10
6	107-100-W-04A	" 0925								"									4 x 36
7	107-100-W-03B	" 0745								"									10 x 12
8	107-100-W-01B	" 0750								"									10 x 12
9	107-100-W-05A	11/11 0928								"									10 x 12
10	107-100-W-04A	" 0935								"									6 x 24
11	107-100-W-05B	" 0929								"									12 x 12
12	107-100-W-04B	" 0933								"									12 x 12
13	107-100-W-01A	11/12 1055								"									10 x 12
14	107-100-W-05A	" 1058								"									12 x 10
15	107-100-W-01B	" 1050								"									10 x 12

Released By: Ashley Anstaett Date: 11/12/21 Time: 1030

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: H. Humphrey

Signature: (b) (6)

Date: 11/16/21 Time: 2:52 ☐ AM ☒ PM

☐ Portal Contact Added

21-11-02691

Due Date: 11/19/2021 (Friday)

EL MM-L

(b) (6)

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

2691

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM- 10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA (Circle The Unit of Measurement Used: cm or (in))
1	107-102-W-033	11/12 1051								Flame AA									11 x 12
2	107-W-01	11/9 0925																	NA x NA
3	107-W-02	11/9 1300																	NA x NA
4	107-W-03	11/10 0743																	NA x NA
5	107-W-04	11/10 1230																	NA x NA
6																			x
7																			x
8																			x
9																			x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

Released By: Ashley Anstaett Date: 11/12/21 Time: 1630

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: HHemoney

Signature: (b) (6) [redacted]

Date: 11/16/21 Time: 2:53 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

2691

EHS Laboratories™

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-02712

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

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

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 (ft^2)	Concentration (ug/ft^2)	Narrative ID
21-11-02712-001	107-106-W-01A			10.1	1.00	10.1	
21-11-02712-002	107-106-W-02A			7.88	1.04	7.58	
21-11-02712-003	107-106-W-01B			<5.00	1.00	<5.00	
21-11-02712-004	107-106-W-02B			<5.00	1.00	<5.00	
21-11-02712-005	107-106-W-03A			5.16	1.00	5.16	
21-11-02712-006	107-106-W-04A			<5.00	1.00	<5.00	
21-11-02712-007	107-106-W-03B			<5.00	1.00	<5.00	
21-11-02712-008	107-106-W-04B			<5.00	1.00	<5.00	
21-11-02712-009	107-106-W-05A			8.38	1.00	8.38	
21-11-02712-010	107-106-W-06A			7.76	1.04	7.46	
21-11-02712-011	107-106-W-05B			<5.00	1.00	<5.00	
21-11-02712-012	107-106-W-06B			<5.00	1.00	<5.00	
21-11-02712-013	107-106-W-07A			<5.00	1.04	<4.81	
21-11-02712-014	107-106-W-08A			5.36	1.00	5.36	

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 (ft^2)	Concentration (ug/ft^2)	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: (b) (6) [redacted]

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/ft^2 = micrograms per square foot	Pb = lead
	mL = milliliter	ft^2 = square foot	

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd	Collected By	Ashley Anstaett
PO Number	168765		
Turn-Around Time	☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
										Lead only									
1	107-100-W-01A	11/9 1355								Flame AA									12 x 12
2	107-100-W-02A	" 1400																	10 x 15
3	107-100-W-01B	" 1025																	12 x 12
4	107-100-W-02B	" 1027																	12 x 12
5	107-100-W-03A	11/10 1022																	12 x 12
6	107-100-W-01A	" 1028																	12 x 12
7	107-100-W-03B	" 1010																	12 x 12
8	107-100-W-01B	" 1018																	12 x 12
9	107-100-W-02A	11/11 0900																	10 x 15
10	107-100-W-03A	" 1045																	12 x 12
11	107-100-W-02B	" 1040																	12 x 12
12	107-100-W-03B	" 1042																	10 x 15
13	107-100-W-01A	11/12 0738																	12 x 12
14	107-100-W-02A	" 0742																	12 x 12
15	107-100-W-01B	" 0727																	12 x 12

Released By: Ashley Anstaett Date: 11/12/21 Time: 1030

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: T. Humphrey

Signature: (b) (6)

Date: 11/16/21 Time: 3:29 ☐ AM ☒ PM

☐ Portal Contact Added

21-11-02712

Due Date:
11/19/2021
(Friday)

EL (b) (6) MM-L

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

2712

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstreth
Turn-Around Time	☒ 3 DAY ○ 2 DAY ○ 1 DAY ○ SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM- 10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	127-100-W-003	11/12 0729								Flame AA									12 x 12
2																			x
3																			x
4																			x
5																			x
6																			x
7																			x
8																			x
9																			x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

Released By:	Ashley Anstreth	Date:	11/12/21	Time:	1630
Signature:	(b) (6) [redacted]				

LAB USE ONLY – BELOW THIS LINE

Received By: H. Hempen

Signature: (b) (6) [redacted]

Date: 11/16/21 Time: 3:30 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

EHS Laboratories

Attach Laboratory Label Here

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-02659

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

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

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 (ft^2)	Concentration (ug/ft^2)	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 (ft^2)	Concentration (ug/ft^2)	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 Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft^2)	Concentration (ug/ft^2)	Narrative ID

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

Accreditation #:

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

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/ft^2 = micrograms per square foot	Pb = lead
	mL = milliliter	ft^2 = square foot	

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

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

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM- 10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-124-W-01A	11/9 1156								Please AA									12 x 12
2	107-124-W-02A	1200																	12 x 12
3	107-124-W-03A	1210																	6 x 24
4	107-124-W-04A	1215																	12 x 12
5	107-124-W-01B	1046																	12 x 12
6	107-124-W-02B	1047																	12 x 12
7	107-124-W-03B	1050																	12 x 12
8	107-124-W-01B	1053																	12 x 36
9	107-124-W-06A	11/10 1343																	12 x 12
10	107-124-W-05A	1345																	12 x 12
11	107-124-W-07A	135																	12 x 12
12	107-124-W-03A	1358																	6 x 24
13	107-124-W-05B	1055																	12 x 12
14	107-124-W-06B	1058																	12 x 12
15	107-124-W-07B	1303																	12 x 12

Released By: Ashley Anstaett Date: 11/10/21 Time: 1630

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: Tabby

Signature: (b) (6)

Date: 11 / 16 / 21 Time: 1 : 30 ☐ AM ☐ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-11-02659

Due Date: 11/19/2021 (Friday)

EL MM-L

(b) (6)

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett
Turn-Around Time	☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-124-W-09B	11/10 1305								Flowed									10 x 12
2	107-124-W-09A	11/11 1240								lead only									10 x 15
3	107-124-W-10A	1243																	12 x 12
4	107-124-W-11A	1250																	12 x 12
5	107-124-W-12A	1305																	6 x 24
6	107-124-W-09B	1205																	12 x 12
7	107-124-W-10B	1210																	12 x 12
8	107-124-W-11B	1212																	12 x 12
9	107-124-W-12B	1215																	12 x 12
10	107-124-W-13A	11/12 0856																	12 x 12
11	107-124-W-14A	0900																	10 x 15
12	107-124-W-15A	0907																	12 x 12
13	107-124-W-16A	0910 ~~0834~~																	12 x 12
14	107-124-W-13B	0834-~~0835~~																	12 x 12
15	107-124-W-14B	0835-~~0840~~																	12 x 12

Released By: Ashley Anstaett Date: 11/12/21 Time: 1630

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TLW

Signature: (b) (6)

Date: 11/16/21 Time: 1 : 39 ☐ AM ☐ PM

☐ Portal Contact Added

2659

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RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM- 10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-124-W-15R	11/12 0937								Flame AA									12 x 12
2	107-124-W-16R	1 0940								1									12 x 12
3																			x
4																			x
5																			x
6																			x
7																			x
8																			x
9																			x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

Released By: Ashley Anstaett Date: 11/12/21 Time: 1630

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: [redacted]

Signature: (b) (6) [redacted]

Date: 11/16/21 Time: 1:39 ☐ AM ☐ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

2699

EHS Laboratories™

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-04070

Client: 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 (ft^2)	Concentration (ug/ft^2)	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 (ft^2)	Concentration (ug/ft^2)	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) [redacted]

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	ft² = square foot	

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett
Turn-Around Time	☒ 3 DAY ○ 2 DAY ○ 1 DAY ○ SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM- 10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA Circle The Unit of Measurement Used (cm or in)
1	107-100-W-09A	11/15 1350								Flame AA									12 x 12
2	107-100-W-10A	" 1410																	6 x 24
3	107-100-W-09B	" 1345																	12 x 12
4	107-100-W-10B	" 1347																	12 x 12
5	107-100-W-11A	11/16 1156																	10 x 15
6	107-100-W-11B	" 1154																	4 x 36
7	107-100-W-12A	11/18 1245																	6 x 24
8	107-100-W-12B	" 1243																	12 x 12
9	107-100-W-13A	11/19 1005																	10 x 15
10	107-100-W-13B	" 1000																	12 x 12
11	107-W-09	11/15 1135																	NA x NA
12	107-W-10	" 1343																	NA x NA
13	107-W-11	11/16 1049																	NA x NA
14	107-W-12	" 1245																	NA x NA
15	107-W-13	11/18 1038																	NA x NA

Released By: Ashley Anstaett Date: 11/22/21 Time: 1630

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 11/23/21 Time: 2:30 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-11-04070

Due Date: 11/30/2021 (Tuesday)

EL (b) (6) MM-L

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-W-14	11/19 1329								Pb-in-2M									NA x NA
2	107-W-15	11/19 0806								1									NA x NA
3																			x
4																			x
5																			x
6																			x
7																			x
8																			x
9																			x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

16 17 (b) (6)

Released By: Ashley Anstaett Date: 11/22/21 Time: 1630

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 11/23/21 Time: 2:30 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

4070

EHS Laboratories

Attach Laboratory Label Here

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-04124

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

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

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 (ft^2)	Concentration (ug/ft^2)	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	

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

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-04122

Client: 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 (ft^2)	Concentration (ug/ft^2)	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	

Environmental Hazards Services, L.L.C

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

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

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft^2)	Concentration (ug/ft^2)	Narrative ID

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

Accreditation #:

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

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/ft^2 = micrograms per square foot	Pb = lead
	mL = milliliter	ft^2 = square foot	

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Pg 1 of 1

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (cm or in)
1	107-106-W-09A	11/15 1458								Flame AA only									12 x 12
2	107-106-W-10A	" 1502																	12 x 12
3	107-106-W-09B	" 1453																	12 x 12
4	107-106-W-10B	" 1455																	12 x 12
5	107-106-W-11A	11/16 1306																	12 x 12
6	107-106-W-12A	" 1312																	12 x 12
7	107-106-W-11B	" 1258																	12 x 12
8	107-106-W-12B	" 1300																	12 x 12
9	107-106-W-13A	11/18 1202																	10 x 16
10	107-106-W-14A	11/19 0952																	4 x 36
11	107-106-W-13B	11/17 1154																	12 x 12
12	107-106-W-14B	11/18 1158																	12 x 12
13	107-106-W-15B	11/19 0945																	12 x 12
14																			x
15																			x

(b) (6)

Released By: Ashley Anstaett Date: 11/22/21 Time: 1030

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 11/23/21 Time: 4:01 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-11-04122

Due Date: 11/30/2021 (Tuesday)

EL (b) (6) MM-L

Environmental Hazards Services, L.L.C

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

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

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft^2)	Concentration (ug/ft^2)	Narrative ID

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

Accreditation #:

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

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/ft^2 = 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.

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Pg 1 of 1

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA (Circle The Unit of Measurement Used: cm or (in))
1	107-102-W-09A	11/15 1213								Flame AA									12 x 12
2	107-102-W-10A	" 1216																	4 x 36
3	107-102-W-07B	" 1134																	12 x 12
4	107-102-W-10B	" 1136																	11 x 12
5	107-102-W-11A	11/16 1512																	4 x 36
6	107-102-W-12A	" 1515																	4 x 36
7	107-102-W-11B	" 1411																	12 x 12
8	107-102-W-12B	" 1508																	3 x 48
9	107-102-W-13A	11/18 1045																	6 x 24
10	107-102-W-13B	" 1040																	12 x 12
11	107-102-W-14B	" 1012																	12 x 12
12	107-102-W-14A	11/19 0907																	6 x 24
13	107-102-W-15B	" 0907																	12 x 12
(b) (6)																			x
																			x

Released By: Ashley Anstaett Date: 11/22/21 Time: 1130

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 11/23/21 Time: 4:06 ☐ 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 (Tuesday)

EL (b) (6) MM-L

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

Lead Dust Wipe Analysis Report

Report Number: 21-11-04111

Client: 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 (ft^2)	Concentration (ug/ft^2)	Narrative ID
21-11-04111-001	107-124-W-17A			7.56	1.04	7.27	
21-11-04111-002	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	

Environmental Hazards Services, L.L.C

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

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

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft^2)	Concentration (ug/ft^2)	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	

Environmental Hazards Services, L.L.C

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

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

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft^2)	Concentration (ug/ft^2)	Narrative ID

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

Accreditation #:

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

Melissa Kanode

QA/QC Clerk

Lead Hazard and Clearance Standards Table

Description	EPA - Effective 12/2020	HUD Grant Programs
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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.

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

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

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Pg 1 of 2

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES AREA (Circle The Unit of Measurement Used: cm or in)
1	107-124-W-17A	11/15 1307								Flame AA									10 x 15
2	107-124-W-18A	1310																	12 x 12
3	107-124-W-19A	1318																	12 x 12
4	107-124-W-20A	1324																	12 x 12
5	107-124-W-17B	1225																	12 x 12
6	107-124-W-18B	1227																	12 x 12
7	107-124-W-19B	1236																	12 x 12
8	107-124-W-20B	1239																	12 x 12
9	107-124-W-21A	11/16 1105																	12 x 12
10	107-124-W-22A	1108																	10 x 15
11	107-124-W-23A	1117																	12 x 12
12	107-124-W-21A	1113																	10 x 15
13	107-124-W-21B	1051																	12 x 12
14	107-124-W-22B	1053																	12 x 12
15	107-124-W-23B	1055																	12 x 12

Released By: Ashley Anstaett Date: 11/22/21 Time: 1630

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 11/23/21 Time: 2:50 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-11-04111

Due Date: 11/30/2021 (Tuesday)

(b) (6)

EL MM-L

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-124-W-24B	11/16 1058								Flame AA									12 x 12
2	107-124-W-25A	11/18 1345																	12 x 12
3	107-124-W-26A	" 1352																	4 x 36
4	107-124-W-25B	1330																	12 x 12
5	107-124-W-30B	1336																	12 x 12
6	107-124-W-29B	1339																	12 x 12
7	107-124-W-28B	1342																	12 x 12
8	107-124-W-27A	11/19 1333																	12 x 12
9	107-124-W-29B	" 1330																	12 x 12
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

(b) (6)

Released By: Ashley Anstaett Date: 11/22/21 Time: 1030

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 11/23/21 Time: 2:50 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

4111

EHS Laboratories™

Attach Laboratory Label Here

APPENDIX C – AIR SAMPLING SUMMARY TABLE

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended 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/m^3	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
107-106-A-01	S end; break room counter	Arsenic	< 0.21	µg/m^3	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
107-124-A-01	Break room; top of microwave	Arsenic	< 0.22	µg/m^3	10
		Barium	< 0.22	µg/m^3	500
		Cadmium	< 0.043	µg/m^3	5
		Chromium	< 1.1	µg/m^3	500
		Lead	< 0.22	µg/m^3	50
		Selenium	< 1.1	µg/m^3	200
		Silver	< 0.22	µg/m^3	10
107-124-A-02	SW end of room; corner of admin desk by S entrance	Arsenic	< 0.21	µg/m^3	10
		Barium	< 0.21	µg/m^3	500
		Cadmium	< 0.042	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

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
107-100-A-01	Admin desk; above shredder	Arsenic	< 0.21	µg/m^3	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
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/m^3	10
		Barium	< 0.21	µg/m^3	500
		Cadmium	< 0.042	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
107-106-A-02	NW side of room; table on W wall below TV	Arsenic	< 0.21	µg/m^3	10
		Barium	< 0.21	µg/m^3	500
		Cadmium	< 0.042	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
107-124-A-03	Top of cabinet on cube #2; W side of room	Arsenic	< 0.16	µg/m^3	10
		Barium	< 0.16	µg/m^3	500
		Cadmium	< 0.032	µg/m^3	5
		Chromium	< 0.79	µg/m^3	500
		Lead	< 0.16	µg/m^3	50
		Selenium	< 0.79	µg/m^3	200
		Silver	< 0.16	µg/m^3	10

Appendix C
Results Summary by Location

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/m^3	10
		Barium	< 0.17	µg/m^3	500
		Cadmium	< 0.033	µg/m^3	5
		Chromium	< 0.81	µg/m^3	500
		Lead	< 0.17	µg/m^3	50
		Selenium	< 0.81	µg/m^3	200
		Silver	< 0.17	µg/m^3	10
107-100-A-02	Table on SE portion of room	Arsenic	< 0.22	µg/m^3	10
		Barium	< 0.22	µg/m^3	500
		Cadmium	< 0.043	µg/m^3	5
		Chromium	< 1.1	µg/m^3	500
		Lead	< 0.22	µg/m^3	50
		Selenium	< 1.1	µg/m^3	200
		Silver	< 0.22	µg/m^3	10
107-A-03	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-03	Desk in SE corner of room; E side of desk	Arsenic	< 0.20	µg/m^3	10
		Barium	< 0.20	µg/m^3	500
		Cadmium	< 0.040	µg/m^3	5
		Chromium	< 1.0	µg/m^3	500
		Lead	< 0.20	µg/m^3	50
		Selenium	< 1.0	µg/m^3	200
		Silver	< 0.20	µg/m^3	10
107-106-A-03	Desk in SE corner of room; S end of desk	Arsenic	< 0.20	µg/m^3	10
		Barium	< 0.20	µg/m^3	500
		Cadmium	< 0.040	µg/m^3	5
		Chromium	< 0.99	µg/m^3	500
		Lead	0.26	µg/m^3	50
		Selenium	< 0.99	µg/m^3	200
		Silver	< 0.20	µg/m^3	10

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
107-124-A-05	Table in Huddle Room #1	Arsenic	< 0.21	µg/m^3	10
		Barium	< 0.21	µg/m^3	500
		Cadmium	< 0.042	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
107-124-A-06	N most desk on E side of room; S of room 127	Arsenic	< 0.21	µg/m^3	10
		Barium	< 0.21	µg/m^3	500
		Cadmium	< 0.042	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
107-100-A-03	Window sill by desk in NW corner of room	Arsenic	< 0.20	µg/m^3	10
		Barium	< 0.20	µg/m^3	500
		Cadmium	< 0.040	µg/m^3	5
		Chromium	< 1.0	µg/m^3	500
		Lead	< 0.20	µg/m^3	50
		Selenium	< 1.0	µg/m^3	200
		Silver	< 0.20	µg/m^3	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/m^3	10
		Barium	< 0.24	µg/m^3	500
		Cadmium	< 0.048	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.24	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.24	µg/m^3	10

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
107-106-A-04	NE desk; below window	Arsenic	< 0.25	µg/m^3	10
		Barium	< 0.25	µg/m^3	500
		Cadmium	< 0.049	µg/m^3	5
		Chromium	< 1.3	µg/m^3	500
		Lead	< 0.25	µg/m^3	50
		Selenium	< 1.3	µg/m^3	200
		Silver	< 0.25	µg/m^3	10
107-124-A-07	Room 127; corner of NE desk	Arsenic	< 0.24	µg/m^3	10
		Barium	< 0.24	µg/m^3	500
		Cadmium	< 0.048	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.24	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.24	µg/m^3	10
107-124-A-08	Room 127; huddle room table	Arsenic	< 0.24	µg/m^3	10
		Barium	< 0.24	µg/m^3	500
		Cadmium	< 0.048	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.24	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.24	µg/m^3	10
107-100-A-04	NE corner of room; top of small filing cabinet	Arsenic	< 0.25	µg/m^3	10
		Barium	< 0.25	µg/m^3	500
		Cadmium	< 0.049	µg/m^3	5
		Chromium	< 1.3	µg/m^3	500
		Lead	< 0.25	µg/m^3	50
		Selenium	< 1.3	µg/m^3	200
		Silver	< 0.25	µg/m^3	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	--

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
107-102-A-05	SW end desk; S portion of desk	Arsenic	< 0.25	µg/m^3	10
		Barium	< 0.25	µg/m^3	500
		Cadmium	< 0.049	µg/m^3	5
		Chromium	< 1.3	µg/m^3	500
		Lead	< 0.25	µg/m^3	50
		Selenium	< 1.3	µg/m^3	200
		Silver	< 0.25	µg/m^3	10
107-106-A-05	Break room; top of counter on S wall	Arsenic	< 0.23	µg/m^3	10
		Barium	< 0.23	µg/m^3	500
		Cadmium	< 0.046	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.23	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.23	µg/m^3	10
107-124-A-09	Break room; round table	Arsenic	< 0.25	µg/m^3	10
		Barium	< 0.25	µg/m^3	500
		Cadmium	< 0.049	µg/m^3	5
		Chromium	< 1.3	µg/m^3	500
		Lead	< 0.25	µg/m^3	50
		Selenium	< 1.3	µg/m^3	200
		Silver	< 0.25	µg/m^3	10
107-124-A-10	Admin desk; portion on S wall	Arsenic	< 0.25	µg/m^3	10
		Barium	< 0.25	µg/m^3	500
		Cadmium	< 0.049	µg/m^3	5
		Chromium	< 1.3	µg/m^3	500
		Lead	< 0.25	µg/m^3	50
		Selenium	< 1.3	µg/m^3	200
		Silver	< 0.25	µg/m^3	10
107-100-A-05	Admin desk; top of filing cabinet on S wall	Arsenic	< 0.25	µg/m^3	10
		Barium	< 0.25	µg/m^3	500
		Cadmium	< 0.050	µg/m^3	5
		Chromium	< 1.3	µg/m^3	500
		Lead	< 0.25	µg/m^3	50
		Selenium	< 1.3	µg/m^3	200
		Silver	< 0.25	µg/m^3	10

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
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	$\mu g/m^3$	10
		Barium	< 0.14	$\mu g/m^3$	500
		Cadmium	< 0.028	$\mu g/m^3$	5
		Chromium	< 0.70	$\mu g/m^3$	500
		Lead	< 0.14	$\mu g/m^3$	50
		Selenium	< 0.70	$\mu g/m^3$	200
		Silver	< 0.14	$\mu g/m^3$	10
107-106-A-06	Round conference table in center of room	Arsenic	< 0.21	$\mu g/m^3$	10
		Barium	< 0.21	$\mu g/m^3$	500
		Cadmium	< 0.041	$\mu g/m^3$	5
		Chromium	< 1.1	$\mu g/m^3$	500
		Lead	< 0.21	$\mu g/m^3$	50
		Selenium	< 1.1	$\mu g/m^3$	200
		Silver	< 0.21	$\mu g/m^3$	10
107-124-A-11	Top of storage cabinet in 2nd cubicle on W side; N of S entrance	Arsenic	< 0.21	$\mu g/m^3$	10
		Barium	< 0.21	$\mu g/m^3$	500
		Cadmium	< 0.041	$\mu g/m^3$	5
		Chromium	< 1.1	$\mu g/m^3$	500
		Lead	< 0.21	$\mu g/m^3$	50
		Selenium	< 1.1	$\mu g/m^3$	200
		Silver	< 0.21	$\mu g/m^3$	10
107-124-A-12	Top of storage cabinet in 3rd cubicle on E side; N of S entrance	Arsenic	< 0.21	$\mu g/m^3$	10
		Barium	< 0.21	$\mu g/m^3$	500
		Cadmium	< 0.041	$\mu g/m^3$	5
		Chromium	< 1.1	$\mu g/m^3$	500
		Lead	< 0.21	$\mu g/m^3$	50
		Selenium	< 1.1	$\mu g/m^3$	200
		Silver	< 0.21	$\mu g/m^3$	10

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
107-100-A-06	Chair next to W entrance	Arsenic	< 0.20	µg/m^3	10
		Barium	< 0.20	µg/m^3	500
		Cadmium	< 0.040	µg/m^3	5
		Chromium	< 1.0	µg/m^3	500
		Lead	< 0.20	µg/m^3	50
		Selenium	< 1.0	µg/m^3	200
		Silver	< 0.20	µg/m^3	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/m^3	10
		Barium	< 0.22	µg/m^3	500
		Cadmium	< 0.043	µg/m^3	5
		Chromium	< 1.1	µg/m^3	500
		Lead	< 0.22	µg/m^3	50
		Selenium	< 1.1	µg/m^3	200
		Silver	< 0.22	µg/m^3	10
107-106-A-07	Table running N to S on E wall	Arsenic	< 0.25	µg/m^3	10
		Barium	< 0.25	µg/m^3	500
		Cadmium	< 0.050	µg/m^3	5
		Chromium	< 1.3	µg/m^3	500
		Lead	< 0.25	µg/m^3	50
		Selenium	< 1.3	µg/m^3	200
		Silver	< 0.25	µg/m^3	10
107-124-A-13	Windowsill on NW side of room	Arsenic	< 0.23	µg/m^3	10
		Barium	< 0.23	µg/m^3	500
		Cadmium	< 0.046	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.23	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.23	µg/m^3	10

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
107-124-A-14	Window sill on NE side of room	Arsenic	< 0.22	µg/m^3	10
		Barium	< 0.22	µg/m^3	500
		Cadmium	< 0.044	µg/m^3	5
		Chromium	< 1.1	µg/m^3	500
		Lead	< 0.22	µg/m^3	50
		Selenium	< 1.1	µg/m^3	200
		Silver	< 0.22	µg/m^3	10
107-100-A-07	Windowsill on NW side of room	Arsenic	< 0.22	µg/m^3	10
		Barium	< 0.22	µg/m^3	500
		Cadmium	< 0.044	µg/m^3	5
		Chromium	< 1.1	µg/m^3	500
		Lead	< 0.22	µg/m^3	50
		Selenium	< 1.1	µg/m^3	200
		Silver	< 0.22	µg/m^3	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/m^3	10
		Barium	< 0.23	µg/m^3	500
		Cadmium	< 0.045	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.23	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.23	µg/m^3	10
107-106-A-08	Desk on S wall near SE window	Arsenic	< 0.23	µg/m^3	10
		Barium	< 0.23	µg/m^3	500
		Cadmium	< 0.045	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.23	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.23	µg/m^3	10

Appendix C
Results Summary by Location

Sample Number	Location	Analyte	Result	Units	Recommended Limits[1]
107-124-A-15	Room 104; Conference room table	Arsenic	< 0.23	µg/m^3	10
		Barium	< 0.23	µg/m^3	500
		Cadmium	< 0.046	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.23	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.23	µg/m^3	10
107-124-A-16	Room 127; NW desk	Arsenic	< 0.17	µg/m^3	10
		Barium	< 0.17	µg/m^3	500
		Cadmium	< 0.034	µg/m^3	5
		Chromium	< 0.83	µg/m^3	500
		Lead	< 0.17	µg/m^3	50
		Selenium	< 0.83	µg/m^3	200
		Silver	< 0.17	µg/m^3	10
107-100-A-08	NE desk on N wall	Arsenic	< 0.23	µg/m^3	10
		Barium	< 0.23	µg/m^3	500
		Cadmium	< 0.045	µg/m^3	5
		Chromium	< 1.2	µg/m^3	500
		Lead	< 0.23	µg/m^3	50
		Selenium	< 1.2	µg/m^3	200
		Silver	< 0.23	µg/m^3	10

Notes:

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

APPENDIX D – AIR SAMPLING LABORATORY REPORT

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

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	<1.1	
			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	

Environmental Hazards Services, L.L.C

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
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

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	<0.16	
			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

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	<0.20	
			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

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	<1.1	
			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

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	<0.049	
			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	

Environmental Hazards Services, L.L.C

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

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

Tasha Eaddy
QA/QC Clerk

Sample Results denoted with a “less than” (<) sign contains less than the reporting limit 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

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Amstaedt

Turn-Around Time: ☒ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (cm or in)
1	107-A-01	11/9 1400								As, Ag, Ba, Cd, Cr, Pb, Se						NA	NA	NA	x
2	107-102-A-01	1402														274		735	x
3	107-100-A-01	1401														291		733	x
4	107-104-A-01	1405														285		713	x
5	107-104-A-02	1406														285		715	x
6	107-100-A-01	1404														293		736	x
7	107-A-02	11/10 1200														NA		NA	x
8	107-102-A-02	1215														284		721	x
9	107-100-A-02	1216														284		717	x
10	107-104-A-03	1400														383		961	x
11	107-104-A-04	1347														369		928	x
12	107-100-A-02	1218														283		710	x
13	107-A-03	11/11 1300														NA		NA	x
14	107-102-A-03	1311														293		755	x
15	107-100-A-03	1310														303		769	x

Sample 15 was received labeled 107-W-03 - 11/17/21

Released By: Ashley Amstaedt Date: 11/10/21 Time: 1630

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: T Lehan

Signature: (b) (6) [redacted]

Date: 11/16/21 Time: 11:39 ☐ AM ☐ PM

☐ Portal Contact Added

21-11-02559

Due Date: 11/19/2021 (Friday)

EL MM-L

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	Ashley Anstaett

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

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time Mins.	Flow Rate L/min.	Vol. Total Liters	WIPES AREA (Circle The Unit of Measurement Used: cm or in)
1	107-124-A-05	11/11 1310								Ag, As, Ba, Cd, Cr, Pb, Se						290		729	x
2	107-124-A-06	1 1310														289		727	x
3	107-100-A-03	1316														300		750	x
4	107-A-04	11/12 1150														NA		NA	x
5	107-102-A-04	1104														247		627	x
6	107-100-A-04	1105														247		621	x
7	107-124-A-07	1110														247		626	x
8	107-124-A-08	1111														247		625	x
9	107-100-A-04	1106														246		619	x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

Released By: Ashley Anstaett Date: 11/12/21 Time: 1630

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: _____

Signature: _____

Date: ____/____/____ Time: ____:____ ☐ AM ☐ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

EHS Laboratories

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, MO 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	

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

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	

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

Environmental Hazards Services, L.L.C

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	

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

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	

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

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	

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

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	

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

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	

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

Environmental Hazards Services, L.L.C

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 Narratives:

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

Rev 1.0 (Revised On: 11/30/2021): Added extra sample received.

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Pg 1 of 2

Company Name	Burns & McDonnell	Account #	26-3514
Company Address	9400 Ward Parkway	City/State/Zip	Kansas City, MO 64114
Phone	314-302-4661	Email	eaahlemeyer@burnsmcd.com
Project Name / Testing Address	GFC / 4300 Goodfellow Blvd		
PO Number	168765	Collected By	
Turn-Around Time	☒ 3 DAY ○ 2 DAY ○ 1 DAY ○ SAME DAY OR WEEKEND - Must Call Ahead		

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. (Total Liters)	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-A-05	11/15 NA 1000								As, Ni, Ba, Cd, Cr, Pb, Se						NA		NA	x
2	107-102-A-05	1037														240		613	x
3	107-106-A-05	1037														259		653	x
4	107-124-A-09	1046														243		614	x
5	107-124-A-12	1041														242		614	x
6	107-100-A-05	1039														241		600	x
7	107-A-06	11/16 0800 NA														NA		NA	x
8	107-102-A-06	1520 NA														421		1080	x
9	107-106-A-06	1312														291		736	x
10	107-124-A-11	1315														291		733	x
11	107-124-A-12	1315														291		735	x
12	107-100-A-06	1318														295		755	x
13	107-A-07	11/15 0900														NA		NA	x
14	107-102-A-07	1357														375		699	x
15	107-100-A-25	1415														242		607	x

Released By: Ashlen Anstaett Date: 11/22/21 Time: 1030

Signature: (b) (6) [redacted]

LAB USE ONLY – BELOW THIS LINE

Received By: Tshume

Signature: (b) (6) [redacted]

Date: 11/23/21 Time: 2:25 ☐ AM ☒ PM

☐ Portal Contact Added

21-11-04063

Due Date: 11/30/2021 (Tuesday)

EL MM-L

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

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

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

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS: Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total	Other Metals	PARTICULATES: Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	AIR: Total Time (Mins.)	Flow Rate (L/min.)	Vol. Total Liters	WIPES: AREA (Circle The Unit of Measurement Used: cm or in)
1	107-124-A-13	11/18 1354								As, As, Be, Cd Cr, Pb, Sb						261		658	x
2	107-124-A-14	" 1354														261		654	x
3	107-100-A-07	" 1358														274		689	x
4	107-A-08	11/19 0715														NA		NA	x
5	107-102-A-08	" 1202														268		681	x
6	107-100-A-08	" 1203														268		674	x
7	107-124-A-15	" 1205														267		666	x
8	107-124-A-16	" 1334														360		905	x
9	107-100-A-08	" 1204														268		671	x
10	* Extra sample received labeled																		x
11	"104-A-01"																		x
12	– (b) (6)	11/20/21																	x
13																			x
14																			x
15																			x

Released By: Ashley Anstaett Date: 11/22/21 Time: 1630

Signature: (b) (6)

LAB USE ONLY – BELOW THIS LINE

Received By: TStone

Signature: (b) (6)

Date: 11/23/21 Time: 2:25 ☐ AM ☒ PM

☐ Portal Contact Added

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

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

4063

EHS Laboratories™

Attach Laboratory Label Here