



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

October 15, 2019

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

**RE: Goodfellow Federal Center - Lead Air Sampling Report
Building – #110
4300 Goodfellow Boulevard
St. Louis, Missouri 63120
OCCU-TEC Project No. 919103**

Dear Ms. Czarnecki:

The following report summarizes the sample collection activities and the laboratory analytical results of the samples submitted.

OCCU-TEC Inc. (OCCU-TEC) was contracted by the United States General Services Administration (GSA) to collect and analyze background air samples for the presence and concentration of lead from each of the stairwells that provide egress from the basement of Building #110. This sampling effort was in response to an ongoing renovation project in the basement of Building #110. The main goal of the renovation project is to provide negative pressure to the basement to prevent lead, as well as other contaminants, from entering the stairwells and migrating to the tenant occupied floors above.

On October 2, 2019 a Missouri licensed air sampling professional from OCCU-TEC conducted air sampling for the presence of lead. No activities were taking place in the basement during the time of the sampling. Results of this testing may serve as backgrounds to be compared with additional samples that may be taken during demolition activities in the basement.

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

Air samples for lead 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 National Institute for Occupational Safety and Health (NIOSH) sampling methods. Samples were collected in a method sufficient to collect a minimum sample volume of 300 liters. Air samples were submitted under chain-of-custody to Scientific Analytical Institute, Inc. (SAI), for independent analysis of Resource Conservation and Recovery Act (RCRA) metals in accordance with NIOSH Method 7300. SAI is accredited by the American Industrial Hygiene Association (AIHA) utilizing the Industrial Hygiene Proficiency Analytical Testing (IHPAT) program. SAI's IHPAT Laboratory ID is 173190.

Results of the air samples collected indicate that **all** samples contained concentrations below the laboratory's method reporting limit and the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL). Sample locations and the corresponding results are summarized in the laboratory analytical results that are included in Appendix A. The air sampling professional's Missouri Lead license is included in Appendix B.

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

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

Sincerely,

(b) (6)

Jeff T. Smith
Senior Project Manager

(b) (6)

Kevin Heriford
Operations Manager (QA/QC)

Appendices:

A: Laboratory Analytical Results and Chain of Custody Documentation

B: Qualifications and Licenses

Appendix A

Laboratory Analytical Report and Chain of Custody Documentation





Analysis for Airborne Lead Concentration

by Flame Atomic Absorption Spectroscopy
NIOSH 7082



Customer: OCCU-TEC Inc.
2604 NE Industrial Drive, Suite 230
North Kansas City, MO 64117

Attn: Jeff Smith

Lab Order ID: 71926051
Analysis ID: 71926051_PBA
Date Received: 10/8/2019
Date Reported: 10/14/2019

Project: 919103 Bldg 110

Sample ID	Description	Volume (m ³)	Concentration (µg)	Concentration (µg/m ³)
Lab Sample ID	Lab Notes			
110-01	Field Blank	-	< 0.80	-
71926051PBA_1				
110-02	North Stairwell - Bsmt	0.393	< 0.80	< 2.0
71926051PBA_2				
110-03	Center West Stairwell - Bsmt	0.39	< 0.80	< 2.1
71926051PBA_3				
110-04	South Stairwell - Bsmt	0.388	< 0.80	< 2.1
71926051PBA_4				
110-05	Southwest Stairwell - Bsmt	0.397	< 0.80	< 2.0
71926051PBA_5				
110-06	Northwest Stairwell - Bsmt	0.395	< 0.80	< 2.0
71926051PBA_6				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 10ml sample is 0.80µg Total Pb).

Melissa Ferrell (6)

(b) (6)

Analyst

Laboratory Director



Scientific Analytical Institute
 4604 Dundas Dr. Greensboro, NC 27407
 Phone: 336.292.3888 Fax: 336.292.3313
 www.sailab.com lab@sailab.com

Lab Use Only
 Lab Order ID: 71926051
 Client Code: _____

Contact Information	
Company Name:	Occu-Tec
Address:	2604 NE Industrial Drive #230 North Kansas City, MO 64117
Contact:	Jay Hurst Jeff Smith
Phone <input type="checkbox"/>	
Fax <input type="checkbox"/>	
Email <input checked="" type="checkbox"/>	jsmith@occutech.com
PO Number:	
Project Name/Number:	919103 Bldg 110

Billing/Invoice Information	
Company:	
Address:	Gamer
Contact:	Jay Hurst
Phone <input type="checkbox"/>	
Fax <input type="checkbox"/>	
Email <input type="checkbox"/>	

Lead Test Types		
Paint Chips by Flame AA (PBP) <input type="checkbox"/>	Soil by Flame AA (PBS) <input type="checkbox"/>	Other <input type="checkbox"/>
Wipe by Flame AA (PBW) <input type="checkbox"/>	Air by Flame AA (PBA) <input checked="" type="checkbox"/>	

Turn Around Times			
3 Hours	<input type="checkbox"/>	72 Hours	<input type="checkbox"/>
6 Hours	<input type="checkbox"/>	96 Hours	<input type="checkbox"/>
12 Hours	<input type="checkbox"/>	120 Hours	<input checked="" type="checkbox"/>
24 Hours	<input type="checkbox"/>	144+ Hours	<input type="checkbox"/>
48 Hours	<input type="checkbox"/>		

Sample ID #	Description/Location	Volume/Area	Comments
110-01	Field Blank	—	Pb only
110-02	North Stairwell - Bsmt	393 l	Pb only ↓
110-03	Center-West Stairwell - Bsmt	390 l	
110-04	South Stairwell - Bsmt	388 l	
110-05	Southwest Stairwell - Bsmt	397 l	
110-06	Northwest Stairwell - Bsmt	395 l	
			Rejected <input type="checkbox"/>

Total Number of Samples 6

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	10/7/19 1500	(b) (6)	10/8 10:30a

Appendix B

Qualifications and Licenses

■

[REDACTED]



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

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Jeffrey T. Smith

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

Lead Risk Assessor
Category of License

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



(b) (6)

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

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