



SCI ENGINEERING, INC.

EARTH • SCIENCE • SOLUTIONS

GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

April 5, 2024

John Bauer, Ph.D.
East Central College
1964 Prairie Dell Road
Union, Missouri 63084

RE: Lead-Based Paint Survey Report
1400 Independence Road
Rolla, Missouri
SCI No. 2024-0361.20

Dear John Bauer:

SCI Engineering, Inc. (SCI) is pleased to submit this report summarizing lead-based paint (LBP) survey activities performed on March 25, 2024. The purpose of this survey was to determine the presence of lead-based paint within the above referenced structure which might be impacted during upcoming renovations.

LEAD BASED PAINT SURVEY

SCI performed a LBP survey to determine whether LBP systems are prevalent within the commercial building located at 1400 Independence Road. The survey was conducted by Dan Vielweber, Missouri Licensed Lead Inspector. This survey was performed using an XRF that can quickly and nondestructively determine the quantity of lead present in paint coatings on various interior and exterior components of the structures.

The United States Department of Housing and Urban Development and the Missouri Department of Natural Resources indicates that LBP is any paint, varnish, stain, or other applied coating that has one milligram per square centimeter (mg/cm^2) or 5,000 micrograms per gram (ug/g) by dry weight (0.5 percent by mass) or more of lead. Based upon a review of the XRF results, none of the paint systems analyzed had a lead content greater than $1.0 \text{ mg}/\text{cm}^3$. A copy of the XRF results are enclosed, as well as a field sketch depicting the locations of SCI's XRF sample locations.

CONCLUSION

None of paint coatings which might be impacted during the upcoming renovations were identified as LBP coatings.

Jon Bauer, Ph.D.
East Central College

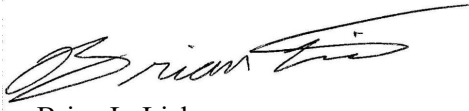
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April 5, 2024
SCI No. 2024-0361.20

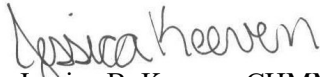
We appreciate the opportunity to be of service to you on this project. If you have any questions or comments regarding these results, please feel free to contact us.

Respectfully,

SCI ENGINEERING, INC.

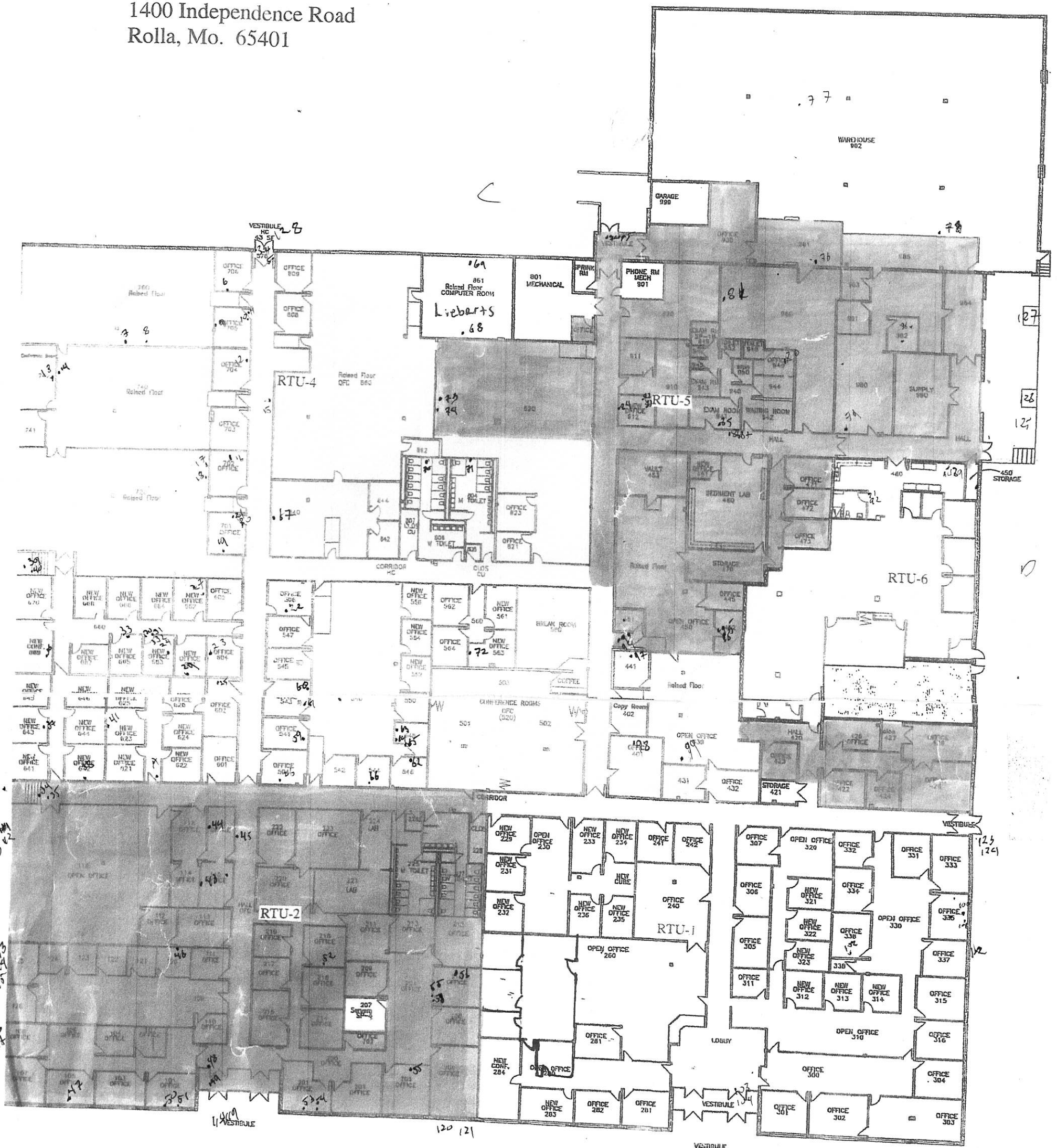


Brian L. Lieb
Project Scientist



Jessica B. Keeven, CHMM
Senior Scientist

Rolla, Mo. 65401



RTU-1 thru 5 runs 5a.m. to 7.00p.m. Monday-Friday, RTU-8 runs 24/7,
Room 861 one Liebert runs 24/7 one on stand-by, Room 901 runs 24/7,
Server Room MSHA runs 24/7, and Rooms [REDACTED] & 207 runs 24/7 (RTU-7 ?)
RTU-6 runs 6:30AM - 3:30PM Mon - Fri

Reading	Nr	Reading Ty	Duration	Time	User	Sigma	Valu	Units	Mode	Pass/Fail	Pass/Fail C	1: Escal	1: Resolut	2: Escal	2: Resolut	Batch	Heat	Lot	Note	Sample	Stop on Pa	Action	Lew Depth	Inde	Paint Resul	Pb	Pb 2-Sigma	Substrate	Componen	Room	Side	Color	Notes		
1	System Ch		100.58	Thu Mar 2	User	0	%		System Ch Pass		7.43432	151.915	7.44019	138.314																					
2	Industrial P		10.76	Thu Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1.15903	Inconclusiv	1.1225	0.1								
3	Industrial P		6.87	Thu Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1.10666	Pass	0.6742	0.1								
4	Industrial P		14.28	Thu Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1.18614	Fail	1.6254	0.1								
5	System Ch		103.76	Mon Mar 2	User	0	%		System Ch Pass		7.43418	152.315	7.43972	139.27																					
1	Industrial P		2.38	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	2.60447	Pass	0.0428	0.0164								Negative Calibration
2	Industrial P		3.61	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1.14298	Inconclusiv	1.0142	0.1								Positive Calibration
3	Industrial P		1.79	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door	Door 5	C		Brown	
4	Industrial P		1.47	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Fram	Door 5	C		Brown	
5	Industrial P		1.48	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall	Door 5	D		White	
6	Industrial P		0.94	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		706 A		White	
7	Industrial P		1.62	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		720 A		Tan	
8	Industrial P		1.53	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		720 A		White	
9	Industrial P		1.51	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		705 B		Tan	
10	Industrial P		1.43	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Fram		705 D		Dark Brown	
11	Industrial P		1.55	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Jamb		705 D		Dark Brown	
12	Industrial P		1.52	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		704 D		White	
13	Industrial P		1.52	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		742 D		White	
14	Industrial P		2.51	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		740 B		White	
15	Industrial P		1.53	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall	700 Hallwa	D	White		
16	Industrial P		1.47	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		702 C		White	
17	Industrial P		1.51	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		720 D		Tan	
18	Industrial P		1.56	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		720 D		White	
19	Industrial P		1.62	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		700 A		White	
20	Industrial P		1.73	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Fram		700 B		Dark Brown	
21	Industrial P		1.56	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Jamb		700 B		Dark Brown	
22	Industrial P		1.58	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		506 A		Tan	
23	Industrial P		1.69	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		604 B		White	
24	Industrial P		1.46	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		603 B		White	
25	Industrial P		1.49	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		602 C		White	
26	Industrial P		1.5	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		CMU	Wall		504 A		White	
27	Industrial P		1.52	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		662 D		White	
28	Industrial P		1.43	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		661 A		White	
29	Industrial P		1.55	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		664 B		White	
30	Industrial P		1.45	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		663 C		White	
31	Industrial P		1.62	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Fram		663 C		Dark Brown	
32	Industrial P		1.45	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Jamb		663 C		Dark Brown	
33	Industrial P		1.49	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		665 C		White	
34	Industrial P		0.99	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door	Door 4	B		Dark Brown	
35	Industrial P		1.6	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	0.0164	0.01		Metal	Door Fram	Door 4	B		Dark Brown	
36	Industrial P		1.44	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		669 B		White	
37	Industrial P		4.76	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		643 D		White	
38	Industrial P		1.44	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		CMU	Wall		642 A		White	
39	Industrial P		1.74	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door	Door 3	B		Dark Brown	
40	Industrial P		1.53	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1.07414	Pass	0.0184	0.01		Metal	Door Jamb	Door 3	B		Dark Brown	
41	Industrial P		1.48	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		623 B		White	
42	Industrial P		1.56	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall	620 Hallwa	A		White	
43	Industrial P		1.51	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		118 B		White	
44	Industrial P		1.5	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		117 B		White	
45	Industrial P		1.54	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall	Hallway 10	B		White	
46	Industrial P		1.6	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		120 C		White	
47	Industrial P		2.26	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		105 A		White	
48	Industrial P		1.56	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door	Door 2	A		Dark Brown	
49	Industrial P		1.47	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Door Fram	Door 2	A		Dark Brown	
50	Industrial P		1.52	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Window		101 A		Black	
51	Industrial P		1.51	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Window Fr		101 A		Black	
52	Industrial P		1.6	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		218 A		White	
53	Industrial P		1.45	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Window		201 A		Black	
54	Industrial P		1.5	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Metal	Window Fr		201 A		Black	
55	Industrial P		1.56	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD	0.01		Drywall	Wall		205 C		White	
56	Industrial P		1.21	Mon Mar 2	User	2	mg/cm²		Industrial Paint						No						No		1	1	Pass	<LOD									

82	Industrial P	2.39	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Drywall	Wall	920	B	White	
83	Industrial P	1.47	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door Fram	912	C	Dark Brown	
84	Industrial P	2.02	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door Jamb	912	C	Dark Brown	
85	Industrial P	1.57	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Drywall	Wall	912	B	White	
86	Industrial P	1.59	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	2.06354	Pass	0.0595	0.0198	Drywall	Wall	947	A	White	
87	Industrial P	1.59	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	Hallway 980		Gray	
88	Industrial P	2.35	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door Fram	Hallway 980		Gray	
89	Industrial P	1.47	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Drywall	Wall	982	D	White	
90	Industrial P	1.68	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Inconclusiv	<LOD	0.01	Metal	Window	Mine Safet C		Black	
91	Industrial P	1.65	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window Fr	Mine Safet C		Black	
92	Industrial P	1.91	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door Fram	Mine Safet B		Light Brown	
93	Industrial P	1.54	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1.43185	Pass	0.1543	0.0265	Metal	Door Jamb	Mine Safet B		Light Brown	
94	Industrial P	1.03	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	451	A	Dark Brown	
95	Industrial P	1.45	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	0.0163	0.01	Metal	Door Fram	451	A	Dark Brown	
96	Industrial P	1.08	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	0.0138	0.01	Metal	Door	453	A	Dark Brown	
97	Industrial P	1.54	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door Fram	453	A	Dark Brown	
98	Industrial P	1.54	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	CMU	Wall	440	D	White	
99	Industrial P	2.21	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Drywall	Wall	401	D	White	
100	Industrial P	2.01	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Drywall	Wall	430	A	White	
101	Industrial P	1.56	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window	335	D	Black	
102	Industrial P	1.5	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window Fr	335	D	Black	
103	Industrial P	2.52	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window	338	A	White	
104	Industrial P	1.47	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	Door 1	A	Black	
105	Industrial P	2.09	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door Fram	Door 1	A	Black	
106	Industrial P	4.31	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	5.09055	Pass	0.0747	0.01						Negative Calibration
107	Industrial P	4.11	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1.15714	Inconclusiv	1.0424	0.1						Positive Calibration
108	Industrial P	2.05	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01						Negative Calibration
109	Industrial P	1.46	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1.06667	Inconclusiv	1.0443	0.1						Positive Calibration
110	Industrial P	1.45	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Concrete	Wall	Exterior	C	Tan	
111	Industrial P	1.23	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	CMU	Wall	Exterior	C	Tan	
112	Industrial P	0.95	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	Exterior	B	Brown	Door 4
113	Industrial P	0.97	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	Exterior	B	Brown	Door 3
114	Industrial P	0.91	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Pipe	Exterior	B	Gray	
115	Industrial P	0.95	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Pipe	Exterior	B	Red	
116	Industrial P	0.93	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Bracket	Exterior	B	Red	on pipe
117	Industrial P	1.58	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window	Exterior	B	Black	
118	Industrial P	0.94	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window Fr	Exterior	B	Black	
119	Industrial P	1.52	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	Exterior	A	Black	
120	Industrial P	1.5	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door Fram	Exterior	A	Black	
121	Industrial P	1.7	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window	Exterior	A	Black	
122	Industrial P	0.94	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window Fr	Exterior	A	Black	
123	Industrial P	2.48	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	Exterior	D	Black	Bottom
124	Industrial P	0.97	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window	Exterior	D	Black	
125	Industrial P	1.61	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Window Fr	Exterior	D	Black	
126	Industrial P	0.97	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1.01676	Pass	0.0722	0.0244	Metal	Support Be	Exterior	D	Brown	
127	Industrial P	0.38	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	0.0319	0.0258	Metal	Loading Dc	Exterior	D	Blue	
128	Industrial P	1.05	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1.39959	Pass	0.0658	0.0295	Metal	Loading Dc	Exterior	D	Red	
129	Industrial P	0.97	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01	Metal	Door	Exterior	C	Brown	
130	Industrial P	0.98	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1	Pass	<LOD	0.01						Negative Calibration
131	Industrial P	1	Mon Mar 2	User	2	mg/cm ²	Industrial Paint	No	1	1.09488	Inconclusiv	1.0491	0.1029						Positive Calibration

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

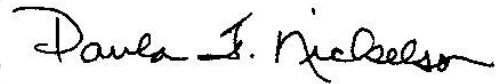
Issued to:

Daniel P. Vielweber

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 Inspector
Category of License

Issuance Date:	1/19/2023
Expiration Date:	1/28/2025
License Number:	190128-300005680



Paula F. Nickelson
Acting Director
Department of Health and Senior Services