



September 8, 2022

Richard J. Schleyer, P.E.  
Director of Environmental Health and Safety  
Department of Facilities  
Chicago Public Schools  
42 West Madison Street  
Chicago, IL 60602

via email: [rjschleyer@cps.edu](mailto:rjschleyer@cps.edu)

**Re: Lead in Surface Dust Sampling: Sauganash Elementary School  
6040 N. Kilpatrick Avenue, Chicago, Illinois 60646  
Project No. A12834V001**

Dear Mr. Schleyer:

On September 6, 2022, Carnow, Conibear & Assoc., Ltd (Carnow Conibear) conducted lead in surface dust sampling for Chicago Public Schools (CPS) at Sauganash Elementary School (Sauganash) located at 6040 N. Kilpatrick Ave., Chicago, IL. The sampling was performed by Gavin Phillips, an Illinois Department of Public Health (IDPH) Licensed Lead Risk Assessor (LRA).

We appreciate the opportunity to assist CPS with this important project. After you have reviewed the report, please do not hesitate to contact me at (312) 907-0644 if you have any questions or need additional information.

Sincerely,

**CARNOW, CONIBEAR & ASSOC., LTD.**

A handwritten signature in black ink, appearing to read "Derek Lantry".

Derek Lantry, Director, Technical Services

**Attachments**

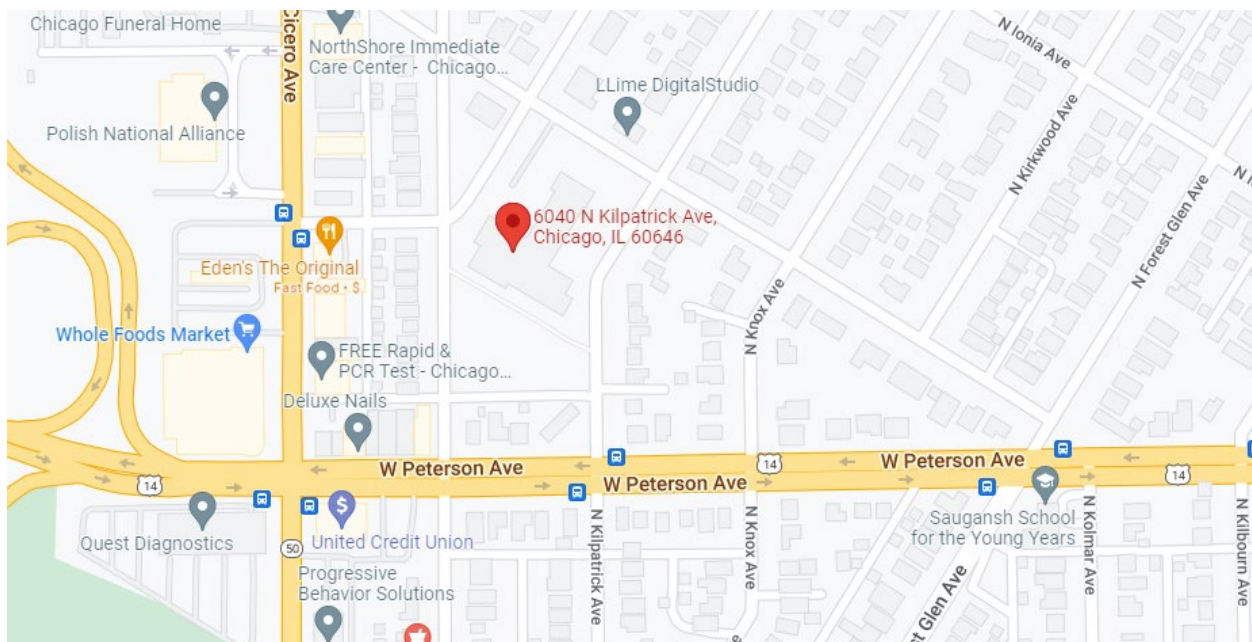
**Dust Sampling Report  
Appendix A: Photographs  
Appendix B: Laboratory Report**

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## Lead in Surface Dust Sampling

**Sauganash Elementary School  
4060 N. Kilpatrick Ave.  
Chicago, IL 60646**

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**Prepared For:** Richard J. Schleyer, P.E.  
Director of Environmental Health and Safety  
Department of Facilities  
Chicago Public Schools  
42 West Madison Street  
Chicago, IL 60602

**Issue Date:** September 8, 2022

**Carnow Conibear Project Number:** A12834V001



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## Lead in Surface Dust Sampling

**Sauganash Elementary School**  
**4060 N. Kilpatrick Ave.**  
**Chicago, IL 60646**

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Field Work & Report By:

A handwritten signature in black ink, appearing to read "Gavin Phillips".

Gavin Phillips  
Industrial Hygiene Technician

Reviewed By:

A handwritten signature in black ink, appearing to read "Derek Lantry".

Derek Lantry  
Director, Technical Services

Carnow Conibear  
Project No.

A12834V001

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- Appendix B Laboratory Report and Chain of Custody
- Appendix C Lead Risk Assessor License and Accreditation

## 1.0 EXECUTIVE SUMMARY

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On September 6, 2022, Carnow, Conibear & Assoc., Ltd. (Carnow Conibear) collected surface lead in dust samples from seven (7) representative surfaces within and adjacent to areas recently renovated at Sauganash Elementary School. The samples, which were obtained by an Illinois Department of Public Health (IDPH) licensed Lead Risk Assessor, were analyzed by an accredited laboratory. The assessment was conducted to address concerns of a current student's parent following the recent renovation work that was performed during the summer of 2022. Specifically, the parent was concerned about the possible presence of lead in dust generated during the demolition and renovation activities. It should be noted that the building surfaces thought to be impacted during the construction project were assessed prior to the start of construction by a Carnow Conibear licensed IDPH licensed Lead Risk Assessor. None of the subject paint or surface coatings were classified as lead-based paint.

No visible dust was observed on any of the seven assessed surfaces. The results of all seven dust samples were below the IDPH lead in dust limits as required in Illinois Administrative Code Part 845 Lead Poisoning Prevention Code.

## 2.0 SITE INSPECTION

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### 2.1 Scope of Services

The objective of the surface dust sampling was to identify or determine the existence and location of lead in surface dust. To achieve this objective, a visual assessment was conducted. In addition, surface dust samples were collected following a procedure similar to that found in Appendix 13.1-1 of the Department of Housing and Urban Development (HUD) guidelines titled “Guidelines for Evaluation and Control of Lead-Based Paint Hazards in Housing”. The samples were collected from the following surfaces within or outside the renovation area, as requested:

1. Main Entrance Lobby – Floor
2. First Floor Hallway, North end – on the bottom of a locker
3. Lunchroom – Window Sill (outside the renovation area)
4. Classroom 101 – Floor
5. Classroom 202 – Floor
6. Classroom 208 – Desk
7. Classroom 207 – Window Sill

### 2.2 Methodology

#### Lead in Surface Dust Sample

Dust wipe samples were taken from horizontal surfaces using a GhostWipe<sup>®</sup>, a digestible dust collection wipe that complies with ASTM E 1792 for Lead Analysis. One square foot (1ft<sup>2</sup>) of each representative surface was sampled with the wipe following “Guidelines for Evaluation and Control of Lead-Based Paint Hazards in Housing” Appendix 13.1 guidelines for Single Surface Wipe Sampling Procedure. Sampled surface area was verified by either utilizing a 1’x1’ disposable paper template for surfaces large enough to accommodate it, such as floors or desks. Oddly shaped, or non-square surfaces such as window sills, were measured and taped-off to outline the one square foot boundary.

While wearing disposable nitrile gloves, a single wipe sample was collected from each sampled surface. Completed samples were placed in single-use, hard shell screw-top tubes and marked with a unique sample number. After sampling, the gloves were discarded, and new ones were worn. An analytical blank (control) sample was handled in the same manner as the field wipe samples. All samples, along with the analytical blank sample and a chain-of-custody form, were hand delivered to STAT Analysis Corporation (STAT) in Chicago, IL for lead dust analysis. STAT is accredited for lead analysis in dust wipes by Atomic Absorption (AA) by the American Industrial Hygiene Association’s (AIHA’s) Lab Accreditation Program (LAP).

Lead dust results were compared to Illinois Administrative Code 845.205 Regulatory Limits of Lead. Section 845.205 outlines regulatory limits of lead dust for floors and horizontal surfaces, which are 10 and 100 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ ), respectively.

## 3.0 RESULTS

### Visual Assessment

There was no visible dust observed on any of the assessed surfaces. Photos of each sample location can be found in Appendix A.

### Lead in Surface Dust Samples

A total of seven samples were collected. Three of the seven samples were collected from the floor. Two samples, including one in the lunchroom outside the renovation area, were obtained from window sills. One sample was collected from the top of a desk, and one sample was obtained from the bottom of a locker.

No lead was detected on five of the seven wipe samples. The non-detect results were less than (<) 10  $\mu\text{g}/\text{ft}^2$ . No lead was detected on the three floor surface samples or the two window sill samples. For samples on other horizontal surfaces, such as the locker, desk, or window sills, all results were less than the IDPH limit of 100  $\mu\text{g}/\text{ft}^2$ . Lead was not detected on the blank (control) sample, which is a satisfactory finding. Results are outlined in Table 1.

**Table 1. Lead Wipe Results**

Sample ID	Sample Location	Surface Sampled	Laboratory Result ( $\mu\text{g}/\text{ft}^2$ )	Regulatory Limit ( $\mu\text{g}/\text{ft}^2$ )
GP090622-01	Main Entrance - Lobby	Floor	<10	10
GP090622-02	1 <sup>st</sup> Floor Hallway (North Wing) – Locker	Locker bottom	17	100
GP090622-03	Lunchroom	Window Sill	<10	100
GP090622-04	Room 101	Floor	<10	10
GP090622-05	Room 202	Floor	<10	10
GP090622-06	Room 208	Desktop	13	100
GP090622-07	Room 207	Window Sill	<10	100
GP090622-Blank	Not Applicable	---	<10	---

Note: “<” sign indicates the sample was below the reporting limit for the analysis method and sample area of 1 ft<sup>2</sup>.

Laboratory analysis confirm all sample results were below the applicable IDPH regulatory limit for the surface sampled. The laboratory report and chain-of-custody form is contained in Appendix B.

## 4.0 CONCLUSIONS

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Based on the survey results, Carnow Conibear makes the following conclusions:

- No visible dust was observed on any of the seven assessed surfaces including floors, window sills, the bottom of a locker, or a desk top.
- Laboratory analysis of all dust samples were below the IDPH lead in dust limits as required in Part 845 Lead Poisoning Prevention Code.



## **APPENDICES**

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- Appendix A Photographic Documentation
- Appendix B Laboratory Report
- Appendix C Lead Risk Assessor License and Accreditation

## **APPENDIX A**

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Photographic Documentation



Photo 1: Location 1 – Main Entrance Lobby – Floor (sample GP090622-01A)



Photo 2: Location 2 – First Floor Hallway (North End) – Locker, bottom shelf (sample GP090622-02A)





Photo 3: Location 3 – Lunchroom – Window Sill (sample GP090622-03A)

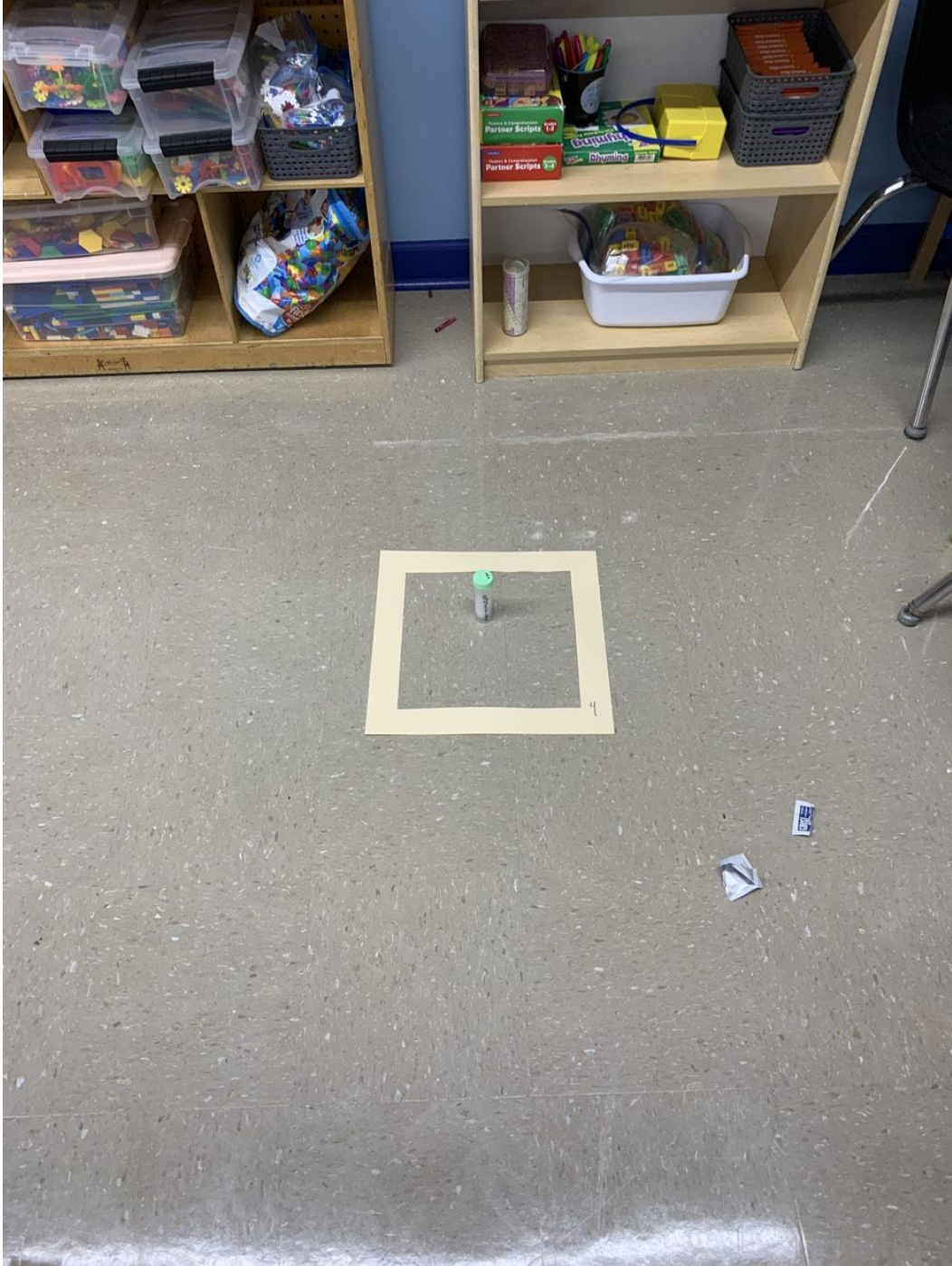


Photo 4: Location 4 – Room 101 – Floor (sample GP090622-04A)





Photo 5: Location 5 – Room 202 – Floor (sample GP090622-05A)



Photo 6: Location 6 – Room 208 – Desk top (sample GP090622-06A)





Photo 7: Location 7 – Room 207 – Windowsill (sample GP090622-07A)

## **APPENDIX B**

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Laboratory Report

**STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

September 06, 2022

Carnow, Conibear, & Associates  
600 W. Van Buren Street  
Chicago, IL 60607

Telephone: (312) 782-4486  
Fax: (312) 782-5145

Analytical Report for STAT Work Order: 22090122 Revision 0

RE: A12834V001, Sauganash

Dear Carnow, Conibear, & Associates:

STAT Analysis received 8 samples for the referenced project on 9/6/2022 9:36:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met AIHA-LAP, LLC (a NLLAP recognized accrediting body), EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. Sample acceptance criteria has been met unless noted in the Case Narrative or Sample Receipt Checklist. If required, an estimate of uncertainty for the analyses can be provided. Sample results have not been corrected for contamination based on field blank or other analytical blank, unless noted in the case narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Matthew Horvath  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

Accreditation Numbers : IEPA ELAP 100445 ; ORELAP IL300001 ; AIHA-LAP, LLC 101160

Date Reported: September 06, 2022

**ANALYTICAL RESULTS**

Date Printed: September 06, 2022

Client: Carnow, Conibear, &amp; Associates

Work Order: 22090122 Revision 0

Project: A12834V001, Sauganash

Client ID	Additional Info	Sample ID	Matrix	Lead Result	Units	Qualifier	Analyst	Date Analyzed	Analytical Method
GP090622-01A	1 ft <sup>2</sup>	22090122-001A	Wipe	< 10	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M
GP090622-02A	1 ft <sup>2</sup>	22090122-002A	Wipe	17	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M
GP090622-03A	1 ft <sup>2</sup>	22090122-003A	Wipe	< 10	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M
GP090622-04A	1 ft <sup>2</sup>	22090122-004A	Wipe	< 10	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M
GP090622-05A	1 ft <sup>2</sup>	22090122-005A	Wipe	< 10	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M
GP090622-06A	1 ft <sup>2</sup>	22090122-006A	Wipe	< 10	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M
GP090622-07A	1 ft <sup>2</sup>	22090122-007A	Wipe	13	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M
GP090622-Blank	1 ft <sup>2</sup>	22090122-008A	Wipe	< 10	µg/ft <sup>2</sup>		IEK	09/06/2022	N7082M

Reporting limit for wipes is 10 µg/ft<sup>2</sup> based on area wiped of 1 ft<sup>2</sup>.

**Qualifiers:** B - Analyte detected in the associated Method Blank  
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits  
E - Value above quantitation range  
\* - Non-accredited parameter





## **APPENDIX C**

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Lead Risk Assessor License and Accreditation



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525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • [www.dph.illinois.gov](http://www.dph.illinois.gov)

1/5/2022

LICENSE NUMBER: 1002956

Gavin S Phillips

1040 W Hollywood Unit 407

Chicago, IL 60660

#### LICENSE APPROVED

*IDPH recently received and reviewed your application for lead licensure. Your qualifications have been reviewed and found that you meet the requirements set forth by the Lead Poisoning Prevention Code, Section 845.125. Therefore, your application for lead licensure is now complete. Enclosed please find your lead license card. Please have this identification card with you at all times while conducting lead abatement activities.*

IDPH has updated its 7 – Day Notice of Commencement effective immediately. The revised document can be identified by its 9/16 revision date on the bottom left corner. Please discontinue using the old form and begin using the new form as soon as possible. The revised form is located in the same web address that the old form was located (<http://www.dph.illinois.gov/sites/default/files/forms/7-day-notice-leadabatement-mitigation-project-091916.pdf>).

PROTECTING HEALTH, IMPROVING LIVES

*Nationally Accredited by PHAB*



**LEAD RISK  
ASSESSOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002956	1/5/2022	1/31/2023

Gavin S Phillips  
1040 W Hollywood Unit 407  
Chicago, IL 60660



ILLINOIS LEAD PROGRAM  
Environmental Health



Alteration of this license shall result in legal action  
RISK ASSESSOR CERTIFICATE EXPIRES

4/20/2024

This license issued under authority of the State  
of Illinois -Department of Public Health

This license is valid only when accompanied by  
a valid training certificate

If found return to 520 Jefferson St Springfield, IL 62761



OCCUPATIONAL TRAINING & SUPPLY, INC.

# Lead Risk Assessor Initial

Occupational Training & Supply, Inc. certifies that

**Gavin Phillips**

has successfully completed the Lead Risk Assessor Initial course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 4/19/2021 - 4/20/2021

Exam Date: 4/20/2021

Expiration Date: 4/20/2024

Certificate Number: LRA2104201051

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Kristina Miczek, Training Manager