

Mr. Albert Tijerina  
East Aurora School District 131  
Director of Building and Grounds  
411 Hill Avenue  
Aurora, Illinois 60505

**RE: Lead Sampling in Potable Water - RETEST  
Allen Elementary School  
700 South Farnsworth Avenue, Aurora, IL 60505**

Dear Mr. Tijerina:

The following letter report summarizes the laboratory results for the drinking water samples collected from retested potable water sources at Allen Elementary School in Aurora, Illinois. The sampling was conducted on March 10, 2018 by Mr. Matthew Rodriguez of Weaver Consultants Group (WCG). Mr. Rodriguez conducted the sampling under the direction of Mr. David J. Kedrowski, CIH.

#### **SCOPE OF WORK**

The scope of work for this project involved collecting water samples from locations previously found to be above 2ppb. The re-tested potable locations were provided to WCG by East Aurora School District 131. The collected re-tested potable water samples were then analyzed for lead by an accredited laboratory.

#### **METHODOLOGY**

WCG followed protocols set by U.S. Environmental Protection Agency (EPA) and Illinois Department of Public Health (IDPH) for testing schools for lead in drinking water. Representatives from East Aurora School District 131 confirmed the school was under normal use and ensured the water settled within the piping systems/fixtures for between eight (8) to eighteen (18) hours.

Eight (8) water samples from representative potable water locations to be re-tested were collected in 250 milliliter bottles. The water samples were collected as a "first draw" from each source to represent a lead concentration from water allowed to sit within the pipes or drinking reservoirs for at least eight (8) hours and not more than eighteen (18) hours. A second sample was collected from each location after a 30 second flush to represent water from within the building's localized water piping system.

Each sample was labeled with a unique sample number identifying the school. The samples were transported to Suburban Labs Incorporated (Suburban) in Geneva, Illinois. Samples were analyzed for lead content using EPA Method 200.8 "Determination of Trace Elements in Water using Inductively Coupled Plasma (ICP)/Mass Spectrometry (MS). Suburban is accredited to analyze lead in potable drinking water under the National Environmental Laboratory Accreditation Program (NELAP).

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## **RESULTS**

The results of the water sample analysis revealed that one (1) sample of the eight (8) collected for re-testing had lead concentrations above the IDPH Action Level of 2 ppb ( $\mu\text{g/L}$ ). All sample results that exceed 5  $\mu\text{g/L}$  should be promptly reported to parents or guardians of the enrolled students as required by the Illinois Department of Public Health (IDPH).

## **CONCLUSIONS AND RECOMMENDATIONS**

- 1) Implement corrective action for fixtures greater than 2  $\mu\text{g/L}$ .
- 2) Implement best practices to minimize lead concentrations in drinking water.

## **BEST PRACTICES**

Best practices for managing elevated lead concentrations in drinking water may include implementing a water quality management plan (WQMP), establishing a routine water flushing program for potable sources daily or during periods of low occupancy or low water usage, routine maintenance to clean screens and aerators, and confirmation sampling. In addition, occupants should avoid consuming water from non-potable sources i.e. classroom or office sinks, washroom sinks, maintenance closets, etc. and hot water taps.

A summary of the sample locations and results may be found in Appendix A and the laboratory report with chain of custody sheets may be found in Appendix B. We appreciate the opportunity to assist you on this important project.

Sincerely,

**Weaver Consultants Group North Central, LLC**



David J. Kedrowski, CIH  
Senior Project Director

**APPENDIX A**

**Lead in Potable Water Sample Results**

**Allen Elementary School  
700 South Farnsworth Avenue  
Aurora, IL 60505**

Allen Elementary School  
700 South Farnsworth Avenue  
Aurora, IL 60505

| ISBE ID          | Sample Date | Sample Time<br>(12 HR Clock) | Sample ID<br>Number | Sample Location Description          | Fixture Type      | Date of Last<br>Use | Time of Last Use<br>(12 HR Clock) | Sample Type | Concentration<br>(ug/L) |
|------------------|-------------|------------------------------|---------------------|--------------------------------------|-------------------|---------------------|-----------------------------------|-------------|-------------------------|
| 3104513102220004 | 03/10/2018  | 06:13 AM                     | ALLEN-01ART         | 1st Floor - PTO Kitchen (Left Sink)  | KS - Kitchen Sink | 03/09/2018          | 07:30 PM                          | First Draw  | ND                      |
| 3104513102220004 | 03/10/2018  | 06:13 AM                     | ALLEN-01BRT         | 1st Floor - PTO Kitchen (Left Sink)  | KS - Kitchen Sink | 03/09/2018          | 07:30 PM                          | Flush       | ND                      |
| 3104513102220004 | 03/10/2018  | 06:13 AM                     | ALLEN-02ART         | 1st Floor - PTO Kitchen (Right Sink) | KS - Kitchen Sink | 03/09/2018          | 07:30 PM                          | First Draw  | 3.26                    |
| 3104513102220004 | 03/10/2018  | 06:13 AM                     | ALLEN-02BRT         | 1st Floor - PTO Kitchen (Right Sink) | KS - Kitchen Sink | 03/09/2018          | 07:30 PM                          | Flush       | ND                      |
| 3104513102220004 | 03/10/2018  | 06:21 AM                     | ALLEN-03ART         | 1st Floor - Room 169 - Music Room    | S - Sink          | 03/09/2018          | 07:30 PM                          | First Draw  | ND                      |
| 3104513102220004 | 03/10/2018  | 06:21 AM                     | ALLEN-03BRT         | 1st Floor - Room 169 - Music Room    | S - Sink          | 03/09/2018          | 07:30 PM                          | Flush       | ND                      |
| 3104513102220004 | 03/10/2018  | 06:25 AM                     | ALLEN-27ART         | 1st Floor - Room 125                 | S - Sink          | 03/09/2018          | 07:30 PM                          | First Draw  | ND                      |
| 3104513102220004 | 03/10/2018  | 06:25 AM                     | ALLEN-27BRT         | 1st Floor - Room 125                 | S - Sink          | 03/09/2018          | 07:30 PM                          | Flush       | ND                      |

**APPENDIX B**  
**Laboratory Results and Chain of Custody Documentation**

# SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134  
Tel. (708) 544-3260 • Toll Free (800) 783-LABS  
Fax (708) 544-8587  
www.suburbanlabs.com

March 23, 2018

Olivia Reynhout  
Weaver Consultants Group  
1316 Bond St - Suite 108  
Naperville, IL 60563

**Workorder: 1803D25**

TEL: (630) 717-4848

FAX: (630) 717-4850

RE: Olney C Allen Elementary School 700 S Farnsworth Avenue Aurora IL  
60505 Drinking Water Lead Analysis

Dear Olivia Reynhout:

Suburban Laboratories, Inc. received 8 sample(s) on 3/16/2018 for the analyses presented in the following report.

Customer has provided 250 mL volume sample bottles for all samples collected. Please note, all sample results that exceed 5.00 ug/L should be promptly reported to parents or guardians of all enrolled students. Results that are below 5.00 ug/L should be reported on the school website. Please refer to Public Act 099-0922 or the Illinois Department of Public Health for specific reporting requirements. Suburban Laboratories will forward all results to the IDPH within seven (7) business days from the date of this report.

This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc. If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Pat Rodriguez  
Project Manager  
708-544-3260 ext 214  
pat@suburbanlabs.com



# SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134  
Tel. (708) 544-3260 • Toll Free (800) 783-LABS  
Fax (708) 544-8587  
www.suburbanlabs.com

**Client ID:** Weaver Consultants Group

**Report Date:** March 23, 2018

**Project Name:** Olney C Allen Elementary School 700 S Farnsworth Ave

**Workorder:** 1803D25

**Analyte:** Lead

**Method:** EPA 200.8

**Matrix:** Drinking Water

| Sample ID    | Client Sample ID   | Result | MRL  | Units | Date & Time Water System Last Used | Date Collected | Date Analyzed |
|--------------|--|--------|------|-------|------------------------------------|----------------|---------------|
| 1803D25-001A | ALLEN-01ART~1st<br>Floor - PTO Kitchen (Left Sink)~First Draw  | ND     | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |
| 1803D25-002A | ALLEN-01BRT~1st<br>Floor - PTO Kitchen (Left Sink)~Flush       | ND     | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |
| 1803D25-003A | ALLEN-02ART~1st<br>Floor - PTO Kitchen (Right Sink)~First Draw | 3.26   | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |
| 1803D25-004A | ALLEN-02BRT~1st<br>Floor - PTO Kitchen (Right Sink)~Flush      | ND     | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |
| 1803D25-005A | ALLEN-03ART~1st<br>Floor - Room 169 - Music Room~First Draw    | ND     | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |
| 1803D25-006A | ALLEN-03BRT~1st<br>Floor - Room 169 - Music Room~Flush         | ND     | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |
| 1803D25-007A | ALLEN-27ART~1st<br>Floor - Room 125 ~First Draw                | ND     | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |
| 1803D25-008A | ALLEN-27BRT~1st<br>Floor - Room 125 ~Flush                     | ND     | 2.00 | µg/L  | 3/09/2018 19:30                    | 3/10/2018      | 3/22/2018     |

1803025 1A-8A

FIELD DATA FORM

School/Facility Name  
 Olney C. Allen Elementary School  
 ISBE ID: (ex:01-001-0001-01-00001)  
 3104513102220004

Address  
 700 South Farnsworth Avenue  
 Aurora, IL 60505

Sample Collector Name(s)  
 Matthew Rodriguez

MMDDYY HH24MM  
 03/09/2018 19:30

All samples must be collected in unpreserved

Water system last used Date:

03/09/2018

Time:

19:30

| Bldg. ID | Bldg. Desc    | Sample ID#  | Sample Loc. Desc                     | Collection Date<br>MMDDYYYY | Collection Time<br>HH24MM | Fixture Type          | Sample Type         | Sample Vol. | Notes                              |
|----------|---------------|-------------|--------------------------------------|-----------------------------|---------------------------|-----------------------|---------------------|-------------|------------------------------------|
| 0001     | Main Building | D1          | 1st Floor Classroom                  | 02232017                    | 800                       | O - Other<br>S - Sink | First Draw<br>Flush | 250         | Description if "Other" is selected |
| 0001     | Main Building | D1A         | 1st Floor Classroom                  | 02232017                    | 800                       | O - Other<br>S - Sink | First Draw<br>Flush | 250         | Description if "Other" is selected |
| 1        | School        | ALLEN-01ART | 1st Floor - PTO Kitchen (Left Sink)  | 03/10/2018                  | 6:13                      | KS - Kitchen Sink     | First Draw          | 250         |                                    |
| 1        | School        | ALLEN-01BRT | 1st Floor - PTO Kitchen (Left Sink)  | 03/10/2018                  | 6:13                      | KS - Kitchen Sink     | Flush               | 250         |                                    |
| 2        | School        | ALLEN-02ART | 1st Floor - PTO Kitchen (Right Sink) | 03/10/2018                  | 6:13                      | KS - Kitchen Sink     | First Draw          | 250         |                                    |
| 3        | School        | ALLEN-02BRT | 1st Floor - PTO Kitchen (Right Sink) | 03/10/2018                  | 6:13                      | KS - Kitchen Sink     | Flush               | 250         |                                    |
| 4        | School        | ALLEN-03ART | 1st Floor - Room 169 - Music Room    | 03/10/2018                  | 6:21                      | S - Sink              | First Draw          | 250         |                                    |
| 5        | School        | ALLEN-03BRT | 1st Floor - Room 169 - Music Room    | 03/10/2018                  | 6:21                      | S - Sink              | Flush               | 250         |                                    |
| 5        | School        | ALLEN-27ART | 1st Floor - Room 125                 | 03/10/2018                  | 6:25                      | S - Sink              | First Draw          | 250         |                                    |
| 6        | School        | ALLEN-27BRT | 1st Floor - Room 125                 | 03/10/2018                  | 6:25                      | S - Sink              | Flush               | 250         |                                    |
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MP 3/16/18 15:28