Weaver Consultants Group

April 6, 2018
WCG Project No. 4528-300-58-01

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
Waldo Middle School
56 Jackson Street, 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 Waldo Middle School in Aurora, Illinois. The sampling was conducted on March 10, 2018 by Ms. Olivia Reynhout of Weaver Consultants Group (WCG). Ms. Reynhout 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.

Two (2) 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).

RESULTS

The results of the water sample analysis revealed that zero (0) samples of the two (2) collected for re-testing had lead concentrations above the IDPH Action Level of 2 ppb (µg/L). All sample results that exceed 5 µg/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 µg/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

Waldo Middle School
56 Jackson Street
Aurora, IL 60505

Waldo Middle School
56 Jackson Street
Aurora, IL 60505

ISBE ID	Sample Date	Sample Time (12 HR Clock)	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Concentration (ug/L)
310451310221003	03/10/2018	08:50 AM	WALD-04ART	Kitchen - Prep Area	KS - Kitchen Sink	03/09/2018	09:15 PM	First Draw	ND
310451310221003	03/10/2018	08:50 AM	WALD-04BRT	Kitchen - Prep Area	KS - Kitchen Sink	03/09/2018	09:15 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

Workorder: 1803C97

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

TEL: (630) 717-4848
FAX: (630) 717-4850

RE: Waldo Middle School Re-Test 56 Jackson Street Aurora IL 60505 Drinking Water Lead Analysis

Dear Olivia Reynhout:

Suburban Laboratories, Inc. received 2 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.

 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
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www.suburbanlabs.com

Client ID: Weaver Consultants Group **Report Date:** March 23, 2018

Project Name: Waldo Middle School Re-Test 56 Jackson Street Aurora I **Workorder: 1803C97**

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
1803C97-001A	WALD-04ART~Kitchen - Prep Area~First Draw	ND	2.00	µg/L	03/09/2018 21:15	3/10/2018	3/22/2018
1803C97-002A	WALD-04BRT~Kitchen - Prep Area~Flush	ND	2.00	µg/L	03/09/2018 21:15	3/10/2018	3/22/2018

ND - Not Detected Down to the Laboratory Minimum Reporting Limit (MRL)

1803C97 -1A-2A

FIELD DATA FORM

School/Facility Name	Address	Sample Collector Names(s
Waldo Middle School - Re-Test	56 Jackson Street Aurora, IL 60505	O. Reynhout
ISBE ID: (ex:01-001-0001-01-00001)		
310451310221003		

Water system last used Date: 03092018 (MMDDYYY) Time: 21:15 (HH24MM)

All samples must be collected in unpreserved 250 ml plastic bottles

	Bldg. ID	Bldg. Desc	Sample ID#	Sample Loc. Desc	Collection Date MMDDYYYY	Collection Time HH24MM	Fixture Type	Sample Type	Sample Vol.	Notes
Ex1:	0001	Main Building	01	1st Floor Classroom	02232017	800	O - Other	First Draw	250	Description if "Other" is selected
Ex2:	0001	Main Building	01A	1st Floor Classroom	02232017	800	S - Sink	Flush	250	
1	0001	School	WALD-04AR	Kitchen - Prep Area	03102018	8:50	KS - Kitchen Sink	First Draw	250	
2	0001	School	WALD-04BR	Kitchen - Prep Area	03102018	8:50	KS - Kitchen Sink	Flush	250	
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