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***WATER QUALITY TESTING***

***FOR***

***GENEVA COMMUNITY UNIT SCHOOL DISTRICT 304  
WESTERN AVENUE ELEMENTARY SCHOOL***

***GENEVA, ILLINOIS***

***MAY 2, 2018***

***PROJECT NUMBER: 17-18349***



A DIVISION OF GALLAGHER BASSETT SERVICES, INC.

1550 Hubbard Ave., Batavia, IL 60510, 630-879-3006

**TABLE OF CONTENTS**

INTRODUCTION..... 1  
METHODOLOGY..... 1  
RESULTS..... 2  
PROFESSIONAL CERTIFICATION..... 2

Appendix I: Sample Locations  
Appendix II: Laboratory Results

## **INTRODUCTION**

Geneva Community Unit School District 304 has implemented a proactive program of water testing at Western Avenue Elementary School. Initial sampling was conducted on September 6, 2017 which identified several sources with lead concentrations exceeding the Lead in Drinking Water Testing Bill (LDWTB) reporting limit (5.0 ppb) and the USEPA's recommended action level (20.0 ppb).

The District performed corrective action and mitigation and all sources that exceeded the LDWTB reporting limit were re-sampled.

Re-sampling was conducted by Mr. Dan Petras of Aires Consulting on May 2, 2018. Mr. Geoffrey J. Bacci II, P.E. designed the study and developed this report.

## **METHODOLOGY**

Water testing followed protocol recommended by IDPH and the LDWTB. All water sources have two samples collected. The first collection at each source is a "first draw" sample. Water collection occurs in first draw samples after sources were unused for at least eight (8) hours but not more than 18 hrs. The second sample at that source is collected after 30 seconds of flushing. Each sample is given an identifier with letters that identify the school and a number that identifies the source. An "A" after the letter indicates a first draw sample and a "B" identifies a flush sample. For example sample WKS-1A indicates a sample collected at the first location 1 at Western Avenue Elementary and is a first draw sample at a kitchen sink.

Samples were analyzed by Suburban Laboratories, Inc. Suburban Laboratories is accredited by the National Environmental Laboratory Environmental Conference (NELAC).

The USEPA recommends taking action to reduce lead levels if sample results exceed 20 ppb. That action could include water treatment or fixture replacement.

Public water supplies are required by the Safe Drinking Water Act to take corrective action if 10% or more of their sources contain lead levels greater than 15 ppb.

## **RESULTS**

Field sheets identifying sample numbers and sample locations are included in Appendix I. Laboratory results are included in Appendix II.

The following locations exceeded 5 parts per billion (ppb). Locations that exceeded the USEPA recommended action level of 20 ppb are shown in **bold print**.

- WS-27.5A: first draw sample from the sink in the LMC Office Room 125B - 5.74 ppb

None of the samples exceeded the USEPA's recommended action level of 20 ppb.

The re-testing results should be proactively shared with parents or guardians and other stakeholders and at a minimum be posted on the District's website.

## **PROFESSIONAL CERTIFICATION**


Aires Consulting, a division of Gallagher Bassett Services, Inc. conducted this study in the interest of Geneva Community Unit School District 304 to assist in meeting environmental obligations and regulations. In this respect, we hope the results of this study are useful. *This study was not intended to include every environmental exposure that may be present at the facility; only those items specifically addressed in the report were evaluated.* If you have any questions concerning this study please let us know.

Respectfully Submitted,



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Daniel Petras  
Environmental Health and Safety Consultant



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Geoffrey J. Bacci II, P.E.  
Director of Operations



**SUBURBAN LABORATORIES, Inc.**

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May 10, 2018

Geoff Bacci  
Aires Consulting  
1550 Hubbard Ave  
Batavia, IL 60510

**Workorder: 1805286**

TEL: (630) 593-6078

FAX:

RE: Western Avenue School Drinking Water Lead Analysis

Dear Geoff Bacci:

Suburban Laboratories, Inc. received 3 sample(s) on 5/3/2018 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





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**Client ID:** Aires Consulting

**Report Date:** May 10, 2018

**Project Name:** Western Avenue School Drinking Water Lead Analysis

**Workorder:** 1805286

**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
1805286-001A	WS-27.5 A~LMC Office Room 125B~First Draw	5.74	2.00	µg/L	05/01/17 07:00	5/2/2018	5/8/2018
1805286-002A	WS-27.5 B~LMC Office Room 125B~Flush	ND	2.00	µg/L	05/01/17 07:00	5/2/2018	5/8/2018
1805286-003A	WIF~Boiler Room~Flush	ND	2.00	µg/L	05/01/17 07:00	5/2/2018	5/8/2018

1805286-1A-3A

FIELD DATA FORM

School/Facility Name
Western Avenue School
ISBE ID: (ex:01-001-0001-01-00001)
310453040262006

Address
1500 Western Ave.
Geneva, IL 60134

Sample Collector Name(s)
Dan Petras

All samples must be collected in unpreserved

Water system last used Date: 05/01/2017 Time: 700

	Bldg. ID	Bldg. Desc	Sample ID#	Sample Loc. Desc	Collection Date MMDDYYYY	Collection Time HH24MM	Fixture Type	Sample Type	Sample Vol.	Notes
3	0001	Main Building	WS-27.5 A	LMC Office Room 125B	05/02/2018	6:35	S - Sink	First Draw	250	
4	0001	Main Building	WS-27.5 B	LMC Office Room 125B	05/02/2018	6:35	S - Sink	Flush	250	
5	0001	Main Building	WIF	Boiler Room	05/02/2018	6:45	O - Other	Flush	250	Incoming source
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MP 5/3/18 10:30