
WATER QUALITY TESTING

FOR

***GENEVA COMMUNITY UNIT SCHOOL DISTRICT 304
HARRISON 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 Harrison Elementary School. Initial sampling was conducted on September 7, 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 HWF-12A was collected at location 12 at Harrison Elementary and is a first draw sample at a water fountain.

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**.

- HCS-1A: first draw sample from the sink in Classroom 101 - 7.14 ppb
- HS-41A: first draw sample from the sink in Room 132 - 12.6 ppb
- HCS-57A: first draw sample from the northeast sink in Classroom 160 - 9.33 ppb
- HCS-73A: first draw sample from the sink in Classroom 274 - 9.21 ppb
- **HWF-74A: first draw sample from the water fountain in the hallway adjacent Room 161 – 34.9 ppb**
- HS-75A: first draw sample from the sink in the Copy Room 181 – 5.43 ppb

Drinking fountains that exceed the EPA action level of 20 ppb should be taken out of service. Sinks that exceed the EPA action level of 20 ppb should be taken out of service or labeled to avoid using as a drinking or cooking source. In order to use the sources further investigation and corrective action would be necessary to identify the lead source and identify corrective action to reduce lead levels.

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,



Daniel Petras
Environmental Health and Safety Consultant



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

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

May 10, 2018

Geoff Bacci
Aires Consulting
1550 Hubbard Ave
Batavia, IL 60510

Workorder: 1805281

TEL: (630) 593-6078

FAX:

RE: Harrison Street School Drinking Water Lead Analysis

Dear Geoff Bacci:

Suburban Laboratories, Inc. received 33 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,

A handwritten signature in black ink that reads "Pat Rodriguez". The signature is fluid and cursive.

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: Harrison Street School Drinking Water Lead Analysis

Workorder: 1805281

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
1805281-001A	HCS-1A~Classroom 101~First Draw	7.14	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-002A	HCS-1B~Classroom 101~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-003A	HWF-12A~Classroom 106~First Draw	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-004A	HWF-12B~Classroom 106~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-005A	HCS-25A~Classroom 116~First Draw	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-006A	HCS-25B~Classroom 116~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-007A	HS-41A~Room 132~First Draw	12.6	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-008A	HS-41B~Room 132~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-009A	HCS-56A~Classroom 160~First Draw	3.24	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-010A	HCS-56B~Classroom 160~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-011A	HCS-57A~Classroom 160~First Draw	9.33	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-012A	HCS-57B~Classroom 160~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-013A	HCS-59A~Classroom 160~First Draw	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-014A	HCS-59B~Classroom 160~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-015A	HCS-60A~Classroom 160~First Draw	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-016A	HCS-60B~Classroom 160~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-017A	HCS-61A~Classroom 161~First Draw	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-018A	HCS-61B~Classroom 161~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-019A	HCS-62A~Classroom 163~First Draw	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-020A	HCS-62B~Classroom 163~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-021A	HS-64A~Meeting Room 183~First Draw	4.64	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-022A	HS-64B~Meeting Room 183~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-023A	HS-66A~Nurse's Bathroom~First Draw	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-024A	HS-66B~Nurse's Bathroom~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-025A	HWF-72A~Classroom 274~First Draw	2.13	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018

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



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Report Date: May 10, 2018

Project Name: Harrison Street School Drinking Water Lead Analysis

Workorder: 1805281

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
1805281-026A	HWF-72B~Classroom 274~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-027A	HCS-73A~Classroom 274~First Draw	9.21	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-028A	HCS-73B~Classroom 274~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-029A	HWF-74A~Hall adjacent to 161~First Draw	34.9	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-030A	HWF-74B~Hall adjacent to 161~Flush	2.31	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-031A	HS-75A~Copy Room~First Draw	5.43	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-032A	HS-75B~Copy Room~Flush	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018
1805281-033A	HIF	ND	2.00	µg/L	05/01/18 19:00	5/2/2018	5/8/2018

1805281-1A-32A

FIELD DATA FORM

School/Facility Name
Harrison Street School
ISBE ID: (ex:01-001-0001-01-00001)
310453040262004

Address
201 Harrison St.
Geneva, IL 60134

Sample Collector Name(s)
Dan Petras

Water system last used Date: 05/01/2018 Time: 7:00:00 PM

All samples must be collected in unpreserved

	Bldg. ID	Bldg. Desc	Sample ID#	Sample Loc. Desc	Collection Date MMDDYYYY	Collection Time HH24MM	Fixture Type	Sample Type	Sample Vol.	Notes
1	0001	Main Building	HCS-1A	Classroom 101	05/02/2018	5:04	S - Sink	First Draw	250	
2	0001	Main Building	HCS-1B	Classroom 101	05/02/2018	5:04	S - Sink	Flush	250	
3	0001	Main Building	HWF-12A	Classroom 106	05/02/2018	5:09	WF - Water Cooler	First Draw	250	
4	0001	Main Building	HWF-12B	Classroom 106	05/02/2018	5:09	WF - Water Cooler	Flush	250	
5	0001	Main Building	HCS-25A	Classroom 116	05/02/2018	5:11	S - Sink	First Draw	250	
6	0001	Main Building	HCS-25B	Classroom 116	05/02/2018	5:11	S - Sink	Flush	250	
7	0001	Main Building	HS-41A	Room 132	05/02/2018	5:13	S - Sink	First Draw	250	
8	0001	Main Building	HS-41B	Room 132	05/02/2018	5:13	S - Sink	Flush	250	
9	0001	Main Building	HCS-56A	Classroom 160	05/02/2018	5:15	S - Sink	First Draw	250	south sink
10	0001	Main Building	HCS-56B	Classroom 160	05/02/2018	5:15	S - Sink	Flush	250	south sink
11	0001	Main Building	HCS-57A	Classroom 160	05/02/2018	5:17	S - Sink	First Draw	250	north east sink
12	0001	Main Building	HCS-57B	Classroom 160	05/02/2018	5:17	S - Sink	Flush	250	north east sink
13	0001	Main Building	HCS-59A	Classroom 160	05/02/2018	5:20	S - Sink	First Draw	250	north west sink
14	0001	Main Building	HCS-59B	Classroom 160	05/02/2018	5:20	S - Sink	Flush	250	north west sink
15	0001	Main Building	HCS-60A	Classroom 160	05/02/2018	5:25	S - Sink	First Draw	250	south west sink
16	0001	Main Building	HCS-60B	Classroom 160	05/02/2018	5:25	S - Sink	Flush	250	south west sink
17	0001	Main Building	HCS-61A	Classroom 161	05/02/2018	5:30	S - Sink	First Draw	250	
18	0001	Main Building	HCS-61B	Classroom 161	05/02/2018	5:30	S - Sink	Flush	250	
19	0001	Main Building	HCS-62A	Classroom 163	05/02/2018	5:35	S - Sink	First Draw	250	meeting room
20	0001	Main Building	HCS-62B	Classroom 163	05/02/2018	5:35	S - Sink	Flush	250	meeting room
21	0001	Main Building	HS-64A	Meeting Room 183	05/02/2018	5:37	S - Sink	First Draw	250	
22	0001	Main Building	HS-64B	Meeting Room 183	05/02/2018	5:37	S - Sink	Flush	250	
23	0001	Main Building	HS-66A	Nurse's Bathroom	05/02/2018	5:40	S - Sink	First Draw	250	
24	0001	Main Building	HS-66B	Nurse's Bathroom	05/02/2018	5:40	S - Sink	Flush	250	
25	0001	Main Building	HWF-72A	Classroom 274	05/02/2018	5:44	WF - Water Cooler	First Draw	250	
26	0001	Main Building	HWF-72B	Classroom 274	05/02/2018	5:44	WF - Water Cooler	Flush	250	
27	0001	Main Building	HCS-73A	Classroom 274	05/02/2018	5:51	S - Sink	First Draw	250	
28	0001	Main Building	HCS-73B	Classroom 274	05/02/2018	5:51	S - Sink	Flush	250	
29	0001	Main Building	HWF-74A	Hall adjacent to 161	05/02/2018	5:56	WF - Water Cooler	First Draw	250	
30	0001	Main Building	HWF-74B	Hall adjacent to 161	05/02/2018	5:56	WF - Water Cooler	Flush	250	
31	0001	Main Building	HS-75A	Copy Room	05/02/2018	5:57	S - Sink	First Draw	250	
32	0001	Main Building	HS-75B	Copy Room	05/02/2018	5:57	S - Sink	Flush	250	
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MP 5/3/18 10:30