

Environmental Testing & Inspection, Inc  
15784 Martin Street NW  
Andover MN, 55304  
Cell: (763) 370-6266

January 22, 2024

Mr. Christopher Sonju  
Superintendent of Schools  
Glencoe-Silver Lake Public Schools #2859  
1621 East 16<sup>th</sup> Street  
Glencoe, MN 55336

Re: Lead in Water First Draw- Follow-up Testing  
Project # 20240119

## I. INTRODUCTION

This report presents the results of the Lead in Water follow-up testing conducted by Environmental Testing & Inspection, Inc. (ETI) at the Glencoe-Silver Lake High School located in Glencoe, Minnesota. Minnesota Statute 121A.335 requires public school buildings serving pre-kindergarten through grade 12 to test for lead in potable water fixture every five years. The *3T's for Reducing Lead in Drinking Water Toolkit* (2018). And the Lead Contamination Control Act (LCCA) of 1998 were created by the Environmental Protection Agency (EPA) to identify and reduce lead in drinking water. Lead is a metal that usually enters drinking water through the distribution system, including pipes, solders, faucets, and valves. Lead content in water may increase when the water is allowed to sit undisturbed in the system. Exposure to lead is a health concern.

The EPA recommends taking action when elevated lead levels are noted in water fixtures. The MDH and MDE recommend taking a fixture out of service if levels are 20 parts per billion (ppb) or higher. The MDH and MDE also recommend taking action according to their guidelines for fixtures with levels of 2.0 parts per billion (ppb) or higher.

## II. METHODOLOGY

Environmental Consultant Dan Johnson of ETI coordinated with the Director of Buildings and Grounds the collection of ten (10) first-draw samples of approximately 250 milliliters (ml) of water each on January 19, 2024. "First-Draw" means the samples are collected before the fixture is used or flushed during the day. The first-draw sample results reflect a worst-case scenario.

These results would represent the highest lead level that would be consumed by building occupants. MDH recommends water should stand for at least 8 hours, but not more than 18 hours prior to sampling.

Water samples were analyzed by Twin City Water Clinic in Hopkins, Minnesota, which uses EPA-approved analytical methods and quality control/assurance procedures. Samples were analyzed using the ICP/MS EPA Method 200.8.

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**III. RESULTS**

**Table 1**

**WATER TESTING RESULTS-High School**

<b>Sample Number</b>	<b>Sample Location</b>	<b>Fixture Type</b>	<b>Follow-up Testing 1-19-2024 (ppb)</b>	<b>Initial Testing 3-24-2021 (ppb)</b>
01	Room 324 Southeast	Sink	4.48	6.40
02	Room 324 West	Sink	7.05	20.1
03	Room 326 Chem Storage	Sink	17.3	135
04	Room 330 North	Sink	2.73	26.3
05	Room 322 Teacher's Desk	Sink	10.5	4.17
06	Room 322 Northeast	Sink	10.2	7.19
07	Room 322 Northwest	Sink	8.55	6.96
08	Room 310 Northeast	Sink	<2.0	5.48
09	Room 312 No Sample Sink Turned Off	Sink	NA	94.9
10	Room 314	Sink	4.35	121
11	Room 434 Demo	Sink	6.84	4.58

ppb = parts per billion

**IV. DISCUSSION**

The lead in water follow-up sampling results ranged from below the level of detection (<2.0 ppb) to 10.5 ppb. All ten (10) re-sampled fixtures showed lead levels below the district designated action level of 20 ppb. The full laboratory report can be found in Appendix A.

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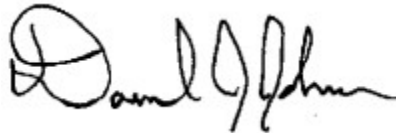
**V. RECOMMENDATIONS**

Based on the results of the follow-up testing conducted on January 19, 2024, no further action is required at this time. However, MDH recommends taking action according to their guidelines for fixtures with levels of 2.0 ppb or higher.

**VI. REMARKS**

The environmental services performed by ETT's technicians, analysts and project managers for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed.

This concludes this report. Any questions regarding the fieldwork, sample results or presented findings should be directed to Environmental Testing & Inspection, Inc.

A handwritten signature in black ink, appearing to read "Daniel J. Johnson". The signature is fluid and cursive, with the first name "Daniel" being more legible than the last name "Johnson".

Daniel J. Johnson  
Environmental Testing & Inspection, Inc.  
President

**Environmental Testing & Inspection, Inc.**

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## APPENDIX A

Environmental Testing & Inspection, Inc.

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Drinking Water Laboratory Test Report

CLIENT INFORMATION

REPORT ISSUE DATE  
1/22/2024

REPORT #  
24-00908

SAMPLE INFORMATION

RECEIPT DATE/TIME  
1/19/2024 - 13:05

CLIENT/CLIENT ADDRESS  
Environmental Testing & Inspection  
15784 Martin St NW  
Andover, MN 55304

SCHOOL/ADDRESS  
Glencoe - Silver Lake High School

TEMP OF SAMPLE UPON RECEIPT:  
15° C

COLLECTED BY:  
☐ TCWC ☒ CLIENT ☐ Other

LABORATORY	SAMPLE ID	SAMPLE COLLECTION		SAMPLE ANALYSIS		SAMPLE RESULTS	
		ANALYTE	LOCATION	DATE	TIME	METHOD	RESULT
	24-00908	Lead	55 - Room 324 SE Retest	1/19/2024	7:00	SH67138-93	15 µg/L
	24-00909	Lead	56 - Room 324 W Retest	1/19/2024	7:06	SH67138-93	15 µg/L
	24-00910	Lead	57 - Room 326 Chem Storage Retest	1/19/2024	7:10	SH67138-93	15 µg/L
	24-00911	Lead	59 - Room 330 N Sink Retest	1/19/2024	7:15	SH67138-93	15 µg/L
	24-00912	Lead	52 - Room 322 Teachers Desk Retest	1/19/2024	7:20	SH67138-93	15 µg/L
	24-00913	Lead	53 - Room 322 NE Retest	1/19/2024	7:25	SH67138-93	15 µg/L
	24-00914	Lead	54 - Room 322 NW Retest	1/19/2024	7:30	SH67138-93	15 µg/L
	24-00915	Lead	2 - Room 310 NE	1/19/2024	7:35	SH67138-93	15 µg/L
	24-00916	Lead	4 - Room 314	1/19/2024	7:40	SH67138-93	15 µg/L
	24-00917	Lead	39 - Room 434 Demo Sink	1/19/2024	7:45	SH67138-93	15 µg/L

APPROVED BY:  
  
Francois Turner - Laboratory Director

Minnesota Laboratory ID # 027-053-119  
The results listed in this report apply only to the above listed samples. All routine quality assurance procedures were followed, unless otherwise noted. The analytical report must be reported in entirety. All methods are certified by the Minnesota Department of Health, unless otherwise noted.  
Rev 1 - 4/2013