

March 3, 2022



Providing Trusted
Health and Safety Solutions

Jamie Goebel
Superintendent
Lyle Public School
700 2nd Street
Lyle, MN 55953

RE: Lead-in-Water First Draw – Initial Testing
IEA Project #202210096

Dear Mr. Goebel:

At the request of Lyle Public School, IEA collected thirty (30) water samples from identified potable water sources on February 16, 2022 for lead analyses from the following buildings:

- Lyle Public School (30 samples)

The purpose of the sampling is to document lead content in the sampled locations.

INTRODUCTION

Minnesota Statute 121A.335 requires public school buildings serving pre-kindergarten through grade 12 to test for lead in potable water fixtures every five years. The *3Ts for Reducing Lead in Drinking Water Toolkit (2018)* and the Lead Contamination Control Act (LCCA) of 1988 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 parts per billion (ppb) or higher.

INSTITUTE FOR ENVIRONMENTAL ASSESSMENT, INC.
www.ieasafety.com

BROOKLYN PARK
9201 West Broadway, #600
Brooklyn Park, MN 55445
763-315-7900 / FAX 763-315-7920
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MANKATO
610 North Riverfront Drive
Mankato, MN 56001
507-345-8818 / FAX 507-345-5301
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ROCHESTER
210 Woodlake Drive SE
Rochester, MN 55904
507-281-6664 / FAX 507-281-6695
800-233-9513

BRAINERD
601 NW 5th Street, Ste. #4
Brainerd, MN 56401
218-454-0703 / FAX 218-454-0703
800-233-9513

MARSHALL
1420 East College Drive
Marshall, MN 56258
507-476-3599 / FAX 507-537-6985
800-233-9513

VIRGINIA
5525 Emerald Avenue
Mountain Iron, MN 55768
218-410-9521
800-233-9513

METHODOLOGY

IEA collected thirty (30) first-draw samples of approximately 250 milliliters (ml) of water. “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, i.e., the highest lead level that would be consumed by building occupants. MDH recommends fixtures not be used 6 to 18 hours prior to sampling fixtures. Water samples were analyzed by Minnesota Valley Testing Laboratories (MVTl) in New Ulm, Minnesota, which uses EPA-approved analytical methods and quality control/assurance procedures. Samples were analyzed using the ICP/MS EPA Method 200.8.

RESULTS & DISCUSSION

The lead-in-water sampling results indicated levels <0.5 ppb. Thus, lead content was below the MDH action level of 2 ppb. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb).

RECOMMENDATIONS

Sampled fixture(s) showed lead level(s) below the MDH action level of 2ppb. Based on the sample result(s), no further action is required at this time.

In addition, the MDH recommends labeling any water fixtures not included in the sampling program, including bathroom taps, hose bibbs, laboratory faucets/sinks, or custodial closet sinks.

If the school receives its water from a Community Public Water Supply, such as a municipal water supply, MDH encourages the school to work with them to assess the source contribution of lead coming into the school.

It is recommended that a copy of the district's Lead in Water Testing Report be made available to staff and the public through the district's administrative offices. Per Minnesota Statutes, section 121A.335, a school district that has tested its buildings for the presence of lead shall make the results of the testing available to the public for review and must notify parents of the availability of the information.

GENERAL CONDITIONS


The analysis and opinions expressed in this report are based upon data obtained from Lyle Public School at the indicated locations. This report does not reflect variations in conditions that may occur across the site, property, or facility. Actual conditions may vary and may not become evident without further assessment.

The report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental, health and safety practices. Other than as provided in the preceding sentence and in our Proposal #10225 dated January 20, 2022 regarding lead-in-water sampling at Lyle Public School, including the General Conditions attached thereto, no warranties are extended or made.

Please contact IEA if you would like assistance with any of the above recommendations or have questions regarding this report.

Sincerely,

IEA, Inc.

A handwritten signature in black ink, appearing to read 'Craig English'.

Craig English
Project Manager
Rochester Office

eg/030322

Enc.

Appendix A

Laboratory Testing Report



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890

2616 E. Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724

1201 Lincoln Highway ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

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MEMBER
ACIL

Report Date: 2 Mar 2022

HEIDI SOLBERG
IEA/BROOKLYN PARK
9201 W BDWY STE #600
BROOKLYN PARK MN 55445

Work Order #: 12-5610
Account #: 002190
Purchase Order #: 202210096

Date Received: 17 Feb 2022
Date Sampled: 16 Feb 2022
Temperature at Receipt: 17.7C

PROJECT NAME: LYLE PUBLIC SCHOOL
PROJECT NUMBER: 202210096

LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
22-A7573	021622LPS-01 B144 KITCHEN CENTER ISLAND-KITCHEN SINK	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7574	021622LPS-02 B144 KITCHEN BACK WALL KITCHEN SINK	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7575	021622LPS-03 INSIDE CAFETERIA SW CORNER-BF	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7576	021622LPS-04 SOUTH HALL BY CHEMICAL STORAGE ROOM-BF	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7577	021622LPS-05 SOUTH HALL BY CHEMICAL STORAGE ROOM-WC	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7578	021622LPS-06 C128 FACS SOUTH WALL-SINK	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7579	021622LPS-07 C128 FACS WEST WALL LEFT SINK	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7580	021622LPS-08 C128 FACS WEST WALL RIGHT SINK	< 0.5 ug/L	15.0	28 Feb 22	LK

Approved by:

Dan O'Connell

David Smahel

Chemistry Laboratory Managers New Ulm, MN

Analyses performed under our Minnesota Department of Health Accreditation conform to the current TNI standards. The reporting limit was elevated for any analyte requiring a dilution as coded below:

@ = Due to sample matrix

= Due to concentration of other analytes

! = Due to sample quantity

+ = Due to internal standard response

CERTIFICATION: MN LAB # 027-015-125 ND WW/DW # R-040

MVTl guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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LAB NUMBER	SAMPLE DESCRIPTION	LEAD RESULTS	MCL	DATE ANALYZED	ANALYST
22-A7581	021622LPS-09 C128 FACS NORTH WALL SINK	< 0.5 ug/L	15.0	28 Feb 22	LK
22-A7582	021622LPS-10 C127 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7583	021622LPS-11 C125 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7584	021622LPS-12 C124 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7585	021622LPS-13 C147 HS SPEC ED AREA SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7586	021622LPS-14 C123 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7587	021622LPS-15 C122 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7588	021622LPS-16 C121 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM

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David Smahel

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22-A7589	021622LPS-17 C119 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7590	021622LPS-18 NEAR ELEMENTARY GIRLS BATHROOM BF	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7591	021622LPS-19 NEAR ELEMENTARY BOYS BATHROOM WC	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7592	021622LPS-20 C118 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7593	021622LPS-21 C115 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7594	021622LPS-22 C111 SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7595	021622LPS-23 B127 MAIN OFFICE SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM

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Chemistry Laboratory Managers New Ulm, MN

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22-A7596	021622LPS-24 B116 STAFF WORK ROOM SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7597	021622LPS-25 OUTSIDE CAFETERIA SE CORNER BF	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7598	021622LPS-26 LOCKER ROOM HALLWAY GIRLS SIDE BF	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7599	021622LPS-27 LOCKER ROOM HALLWAY BOYS SIDE BF	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7600	021622LPS-28 HALL BY AG SHOP BF	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7601	021622LPS-29 COMMONS BY BAND ROOM & GYM BF	< 0.5 ug/L	15.0	23 Feb 22	TMM
22-A7602	021622LPS-30 A149 CONCESSIONS SINK	< 0.5 ug/L	15.0	23 Feb 22	TMM

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