

December 21, 2022



Eric Hamilton
Director of Buildings & Grounds
Edina Public Schools
5701 Normandale Road
Edina, MN 55424

**RE: Edina Public Schools
Lead-in-Water First Draw – Initial Testing
IEA Project #202211196**

Dear Mr. Hamilton:

At the request of Edina Public Schools, IEA collected fifty-two (52) water samples from identified potable water sources on November 23, 2022, for lead analyses from the following two buildings:

- Cornelia Elementary School (49 samples)
- Transportation Center (3 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
800-233-9513

MANKATO
610 North Riverfront Drive
Mankato, MN 56001
507-345-8818 / FAX 507-345-5301
800-233-9513

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 52 first-draw (unless otherwise noted) 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 MVTL Method: ICP/MS EPA Method 200.8.

RESULTS & DISCUSSION

The lead-in-water sampling results ranged from below the level of detection (<0.5 ppb) to 35.1 ppb. There is one (1) sample result greater than the district designated level of 20 ppb. See *Table 1: Water Testing Results Exceeding 20 ppb*. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to ppb.

Table 1: Water Testing Results Exceeding 20 ppb – November 23, 2022

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
11232022CES-85	Cornelia Elementary	Room 26 South	Sink	35.1

ppb – parts per billion

RECOMMENDATIONS

IEA recommends implementing one of the following treatment options for fixtures with elevated lead content. Fixtures should be retested after remediation to verify lead content reduction.

- The fixture should be removed from service by disconnecting it from the water supply and/or posting signs that the water is not potable and notify staff accordingly.
- Bottled water should be provided to occupants which meets FDA and state standards. A written statement from the bottled water distributor guaranteeing the standards are met should be filed with the district.
- Lead pipes on the property and district portion of the service line should be replaced.
- The plumbing system should be reconfigured to redirect the water to bypass any known sources of lead contamination.
- The fixture should be replaced with a "lead-free" fixture certified to NSF/ANSI 372 or NSF/ANSI 61-G. The *Reduction of Lead in Drinking Water Act* redefines "lead-free" as "not more than a weighted average of 0.25% lead when used with respect to wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures." Effective January 4, 2014, drinking water system components sold or installed must adhere to this new requirement.
- A drinking water treatment unit certified to NSF/ANSI 53 or NSF/ANSI 42 for lead reduction should be installed.

- Flush testing should be conducted in accordance with MDH, MDE, and EPA guidelines to determine if flushing will reduce lead content. If results indicate that flushing will reduce lead to acceptable levels:
 - A flushing program should be implemented which includes documentation of daily flushing and periodic program review.
 - It should be noted that elevated levels can return quickly following flushing depending upon the age and condition of the plumbing. The plumbing components should be replaced to ensure any repair or replacement is done using only “lead-free” solder can address high lead levels.
 - Existing wires in the building that could be grounded to lead piping should be checked, since the electrical current produced may accelerate the corrosion of the pipes. The wires could also be checked to find an alternative grounding system.

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 Edina Public Schools 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 #10874 dated October 27, 2022, regarding lead-in-water sampling at Cornelia Elementary School and the Transportation Center, 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.

Reviewed by:



Kennedy Peterson
Project Manager



Mary Ferrian, CSP
Division Manager

KP/khb 12212022

Enc.

Appendix A

*Laboratory Testing Report, Chain of Custody, and
Building Maps*

**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.MVTL.com



Workorder: Cornella Elementary School (6092)
Account #: 2190

Client: Institute for Environmental Assessment (IEA)
PO: 202211196

Spencer West
IEA/Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

Dave Smahel, Inorganic Chemistry/Feed Lab Manager New Ulm, MN

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

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www.MVTL.com



Workorder: Cornella Elementary School (6092)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

6092001 (11232022CES-01) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092002 (11232022CES-02) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092003 (11232022CES-03) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092004 (11232022CES-04) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092005 (11232022CES-05) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092006 (11232022CES-07) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092007 (11232022CES-09) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092008 (11232022CES-11) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092009 (11232022CES-13) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092010 (11232022CES-15) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092011 (11232022CES-18) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092012 (11232022CES-19) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092013 (11232022CES-20) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092014 (11232022CES-26) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Workorder Summary****Sample Comments****6092015 (11232022CES-28) - Sample**

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092016 (11232022CES-33) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092017 (11232022CES-35) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092018 (11232022CES-37) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092019 (11232022CES-39) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092020 (11232022CES-41) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092021 (11232022CES-42) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092022 (11232022CES-43) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092023 (11232022CES-44) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092024 (11232022CES-45) - Sample

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The following preservation was added by MVTL: nitric acid

6092025 (11232022CES-46) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092026 (11232022CES-47) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092027 (11232022CES-48) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092028 (11232022CES-49) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092029 (11232022CES-50) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092030 (11232022CES-51) - Sample

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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Workorder Summary****Sample Comments****6092031 (11232022CES-52) - Sample**

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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6092032 (11232022CES-54) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092033 (11232022CES-56) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092034 (11232022CES-58) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092035 (11232022CES-60) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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6092036 (11232022CES-62) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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6092037 (11232022CES-64) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092038 (11232022CES-66) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092039 (11232022CES-68) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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6092040 (11232022CES-70) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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6092041 (11232022CES-72) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092042 (11232022CES-73) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092043 (11232022CES-75) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092044 (11232022CES-76) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6092045 (11232022CES-78) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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6092046 (11232022CES-80) - Sample

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Workorder: Cornella Elementary School (6092)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

6092047 (11232022CES-83) - Sample

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6092048 (11232022CES-84) - Sample

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The following preservation was added by MVTL: nitric acid

6092049 (11232022CES-85) - Sample

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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 6092001 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-01 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Kitchen CFPS

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.931	ug/L	15	12/05/2022 15:39	

Lab ID: 6092002 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-02 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Kitchen West KS

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	2.15	ug/L	15	12/05/2022 15:40	

Lab ID: 6092003 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-03 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Kitchen East KS

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	16.0	ug/L	15	12/05/2022 15:41	

Lab ID: 6092004 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-04 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Kitchen SP

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	4.03	ug/L	15	12/05/2022 15:42	

Lab ID: 6092005 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-05 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 30 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead 1.02 ug/L 15 12/05/2022 15:43

Lab ID: 6092006 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-07 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 32 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.937 ug/L 15 12/05/2022 15:44

Lab ID: 6092007 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-09 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 34 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 2.51 ug/L 15 12/05/2022 15:52

Lab ID: 6092008 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-11 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 36 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.567 ug/L 15 12/05/2022 15:53

Lab ID: 6092009 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-13 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 38 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 15:54

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www.MVTL.com

**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	6092010	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-15	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 40 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	1.14	ug/L		15 12/05/2022 15:55	

Lab ID:	6092011	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-18	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Staff Lounge Room 49 HWD				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.581	ug/L		15 12/05/2022 15:56	

Lab ID:	6092012	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-19	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Staff Lounge Room 49 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.579	ug/L		15 12/05/2022 15:57	

Lab ID:	6092013	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-20	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Music Room 41 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 15:58	

Lab ID:	6092014	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-26	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 48 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead 3.50 ug/L 15 12/05/2022 16:00

Lab ID: 6092015 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-28 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 50 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.836 ug/L 15 12/05/2022 16:01

Lab ID: 6092016 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-33 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 54 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 1.67 ug/L 15 12/05/2022 16:02

Lab ID: 6092017 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-35 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 56 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 1.42 ug/L 15 12/05/2022 16:14

Lab ID: 6092018 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-37 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 58 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.752 ug/L 15 12/05/2022 16:15

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Lab ID:	6092019	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-39	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 60 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.647	ug/L		15 12/05/2022 16:16	

Lab ID:	6092020	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-41	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Hallway Outside Room 1 West WC				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:17	

Lab ID:	6092021	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-42	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Hallway Outside Room 1 East WC				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:18	

Lab ID:	6092022	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-43	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Hallway Outside Room 1 WBF				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:19	

Lab ID:	6092023	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-44	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 1D in Reception Office SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:20

Lab ID: 6092024 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-45 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Health Office 3A SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:21

Lab ID: 6092025 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-46 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Health Office 3B SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.511 ug/L 15 12/05/2022 16:22

Lab ID: 6092026 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-47 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Hallway Outside Room 8 West WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:24

Lab ID: 6092027 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-48 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Hallway Outside Room 8 East WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:32

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Lab ID:	6092028	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-49	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Hallway Outside Room 8 WBF				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:33	

Lab ID:	6092029	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-50	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Handwash Station Outside Room 5 WC				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:34	

Lab ID:	6092030	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-51	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Handwash Station Outside Room 5 WBF				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:35	

Lab ID:	6092031	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-52	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 10 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.605	ug/L		15 12/05/2022 16:36	

Lab ID:	6092032	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-54	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 11 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead 0.616 ug/L 15 12/05/2022 16:37

Lab ID: 6092033 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-56 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Room 13 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:38

Lab ID: 6092034 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-58 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Room 12 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.935 ug/L 15 12/05/2022 16:39

Lab ID: 6092035 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-60 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Room 15 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 1.18 ug/L 15 12/05/2022 16:40

Lab ID: 6092036 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water

Sample ID: 11232022CES-62 **Date Received:** 12/01/2022 14:20

Temp @ Receipt (C):

Sample Desc: Room 16 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:41

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Lab ID:	6092037	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-64	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 18 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.910	ug/L		15 12/05/2022 16:50	

Lab ID:	6092038	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-66	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 20 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:51	

Lab ID:	6092039	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-68	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 22 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.637	ug/L		15 12/05/2022 16:52	

Lab ID:	6092040	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-70	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 23 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 12/05/2022 16:53	

Lab ID:	6092041	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-72	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 21 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead 1.14 ug/L 15 12/05/2022 16:54

Lab ID: 6092042 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-73 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 19 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:55

Lab ID: 6092043 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-75 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Hallway Outside Room 19 WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 12/05/2022 16:56

Lab ID: 6092044 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-76 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 25 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.513 ug/L 15 12/05/2022 16:57

Lab ID: 6092045 **Date Collected:** 11/23/2022 07:00 **Matrix:** Potable Water
Sample ID: 11232022CES-78 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Room 27 SNK

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.930 ug/L 15 12/05/2022 16:58

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Lab ID:	6092046	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-80	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 29 SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.568	ug/L		15 12/05/2022 16:59	

Lab ID:	6092047	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-83	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 24 South SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	1.14	ug/L		15 12/05/2022 17:08	

Lab ID:	6092048	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-84	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 26 North SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.655	ug/L		15 12/05/2022 17:09	

Lab ID:	6092049	Date Collected:	11/23/2022 07:00	Matrix:	Potable Water
Sample ID:	11232022CES-85	Date Received:	12/01/2022 14:20		
Temp @ Receipt (C):					
Sample Desc:	Room 26 South SNK				

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	35.1	ug/L		15 12/05/2022 17:10	

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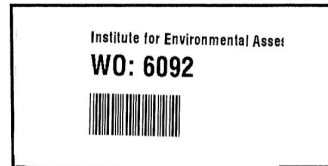
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Workorder: Cornella Elementary School (6092)

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Workorder: Cornella Elementary School (6092)

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Chain of Custody

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Brooklyn Park, MN 55445
763.315.7900 1.800.233.9511



6092

Client Name		Edina Public Schools		Building Name		Cornella Elementary School		Analytical Lab		MVTL	
Contact Name		Spencer West Mary Ferrian		Project #		202211196		Project Name		LIW Edina PS Cornella & Transportation	
Phone #		763.315.9700		IEA Fax #		763-315-7920		Written Sample Results To		lab@mvtl.com	
Other Information											
Sampled By		David McNeill		Date		7:00AM		Analyst By (Company)		Analyst	
Shipped By				Date				Turnaround Time		Notes	
Received By				Date				Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type	Date Sampled	Volume/Bottle Type	Analysis Required	Comments & Observations				
			Water Soil Other								
001	11232022CES-01	Kitchen - CFPS	X		250mL unpreserved	Lead					
02	11232022CES-02	Kitchen - West KS	X		250mL unpreserved	Lead					
03	11232022CES-03	Kitchen - East KS	X		250mL unpreserved	Lead					
04	11232022CES-04	Kitchen - SP	X		250mL unpreserved	Lead					
05	11232022CES-05	Room 30 - SNK	X		250mL unpreserved	Lead					
06	11232022CES-06	Room 30 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
07	11232022CES-07	Room 32 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
08	11232022CES-08	Room 32 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
09	11232022CES-09	Room 34 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
10	11232022CES-10	Room 34 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
11	11232022CES-11	Room 36 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
12	11232022CES-12	Room 36 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
13	11232022CES-13	Room 38 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
14	11232022CES-14	Room 38 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
15	11232022CES-15	Room 40 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
16	11232022CES-16	Room 40 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
17	11232022CES-17	Handwash Station Outside Room 36 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
18	11232022CES-18	Staff Lounge Room 49 - HWD	X		250mL unpreserved	Lead	No sample collected, not operable.				
19	11232022CES-19	Staff Lounge Room 49 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
20	11232022CES-20	Music Room 41 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
21	11232022CES-21	Music Room 41 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
22	11232022CES-22	Room 48 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
23	11232022CES-23	Room 48 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
24	11232022CES-24	Room 50 - SNK	X		250mL unpreserved	Lead	Duplicate				
25	11232022CES-25	Room 50 - DF	X		250mL unpreserved	Lead	Duplicate				
26	11232022CES-26	Room 48 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
27	11232022CES-27	Room 48 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
28	11232022CES-28	Room 50 - SNK	X		250mL unpreserved	Lead	No sample collected, not operable.				
29	11232022CES-29	Room 50 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				

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SP 1 Dec 22 14:20 AMB 13.7 774

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Workorder: Cornella Elementary School (6092)

Client: Institute for Environmental Assessment (IEA)

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Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9511



6092

Client Name		Edina Public Schools		Building Name		Cornella Elementary School		Analytical Lab		MVTL	
Contact Name		Spencer West Mary Ferrian		Project #		202211196		Project Name		LIW Edina PS Cornella & Transportation	
Phone #		763.315.9700		IEA Fax #		763-315-7920		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		David McNeill		Date		7:00AM		Analyzed By		Analyst	
Shipped By				Date				Turnaround Time		Notes	
Received By				Date				Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type		Date Sampled	Volume/Bottle Type	Analysis Required	Comments & Observations			
			Water	Soil	Other						
	11232022CES-30	Handwash Station Outside Room 50 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
	11232022CES-31	Extended Learning 52 - West SNK	X			250mL unpreserved	Lead	Sink no longer in the area			
	11232022CES-32	Extended Learning 52 - East SNK	X			250mL unpreserved	Lead	Sink no longer in the area			
16	11232022CES-33	Room 54 - SNK	X			250mL unpreserved	Lead				
	11232022CES-34	Room 54 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
17	11232022CES-35	Room 56 - SNK	X			250mL unpreserved	Lead				
	11232022CES-36	Room 56 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
18	11232022CES-37	Room 58 - SNK	X			250mL unpreserved	Lead				
	11232022CES-38	Room 58 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
19	11232022CES-39	Room 60 - SNK	X			250mL unpreserved	Lead				
	11232022CES-40	Room 60 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
20	11232022CES-41	Hallway Outside Room 1 - West WC	X			250mL unpreserved	Lead				
21	11232022CES-42	Hallway Outside Room 1 - East WC	X			250mL unpreserved	Lead				
22	11232022CES-43	Hallway Outside Room 1 - WBF	X			250mL unpreserved	Lead				
23	11232022CES-44	Room 10 in Reception Office - SNK	X			250mL unpreserved	Lead				
24	11232022CES-45	Health Office 3A - SNK	X			250mL unpreserved	Lead				
25	11232022CES-46	Health Office 3B - SNK	X			250mL unpreserved	Lead				
26	11232022CES-47	Hallway Outside Room 8 - West WC	X			250mL unpreserved	Lead				
27	11232022CES-48	Hallway Outside Room 8 - East WC	X			250mL unpreserved	Lead				
28	11232022CES-49	Hallway Outside Room 8 - WBF	X			250mL unpreserved	Lead				
29	11232022CES-50	Handwash Station Outside Room 5 - WC	X			250mL unpreserved	Lead				
30	11232022CES-51	Handwash Station Outside Room 5 - WBF	X			250mL unpreserved	Lead				
31	11232022CES-52	Room 10 - SNK	X			250mL unpreserved	Lead				
	11232022CES-53	Room 10 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
32	11232022CES-54	Room 11 - SNK	X			250mL unpreserved	Lead				
	11232022CES-55	Room 11 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
33	11232022CES-56	Room 13 - SNK	X			250mL unpreserved	Lead				
	11232022CES-57	Room 13 - DF	X			250mL unpreserved	Lead	No sample collected, not operable.			
34	11232022CES-58	Room 12 - SNK	X			250mL unpreserved	Lead				

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PLP 1 Dec 22 0930 AMB

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Workorder: Cornella Elementary School (6092)

Client: Institute for Environmental Assessment (IEA)

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Chain of Custody

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6092

Client Name		Edina Public Schools		Building Name		Cornella Elementary School		Analytical Lab		MVTL	
Contact Name		Spencer West Mary Ferrian		Project #		202211196		Project Name		LIW Edina PS Cornella & Transportation	
Phone #		763.315.9700		IEA Fax #		763-315-7920		Written Sample Results To		lube@iacsafety.com	
Other Information											
Sampled By		David McNeill		Date		7:00AM		Analyzed By		Analyst	
Shipped By				Date				Turnaround Time		Notes	
Received By				Date				Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type	Date Sampled	Volume/Bottle Type	Analysis Required	Comments & Observations				
			Water								
			Soil								
			Other								
35	11232022CES - 59	Room 12 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
	11232022CES - 60	Room 15 - SNK	X		250mL unpreserved	Lead					
36	11232022CES - 61	Room 15 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
	11232022CES - 62	Room 16 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 63	Room 16 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
37	11232022CES - 64	Room 18 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 65	Room 18 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
38	11232022CES - 66	Room 20 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 67	Room 20 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
39	11232022CES - 68	Room 22 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 69	Room 22 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
40	11232022CES - 70	Room 23 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 71	Room 23 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
41	11232022CES - 72	Room 21 - SNK	X		250mL unpreserved	Lead					
42	11232022CES - 73	Room 19 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 74	Room 19 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
43	11232022CES - 75	Hallway Outside Room 19 - WC	X		250mL unpreserved	Lead					
44	11232022CES - 76	Room 25 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 77	Room 25 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
45	11232022CES - 78	Room 27 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 79	Room 27 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
46	11232022CES - 80	Room 29 - SNK	X		250mL unpreserved	Lead					
	11232022CES - 81	Room 29 - DF	X		250mL unpreserved	Lead	No sample collected, not operable.				
47	11232022CES - 82	Room 24 - North SNK	X		250mL unpreserved	Lead	Sink not present, only one sink in Room 24.				
48	11232022CES - 83	Room 24 - South SNK	X		250mL unpreserved	Lead					
49	11232022CES - 84	Room 26 - North SNK	X		250mL unpreserved	Lead					
	11232022CES - 85	Room 26 - South SNK	X		250mL unpreserved	Lead					
			X		250mL unpreserved	Lead					
			X		250mL unpreserved	Lead					

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4P-fmp 1 Dec 22 0950 AMB

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www.MVTL.com

**Workorder:** Cornella Elementary School (6092)**Client:** Institute for Environmental Assessment (IEA)**Sample Condition Checklist**

Date: 1 Dec 22 Time: 14:20 ☐ AM ☒ PM
Account Name: IEA/Edina PS By: Dawn R
Bill of Lading #: ADD 1 DEC 22 Account #: -
Temp: 13.7 °C Ambient ☒ Cooler #: -
TM#: 774 Ice Crystals Present in Sample ☐ Tracking #: -
MVTL Courier: Dawn Other: CES
MVTL Route: MeTRO Walk-In ☐ UPS Air ☐ FedEx Air ☐ SpeedDee ☐
Mail ☐ UPS Ground ☐ FedEx Ground ☐
Containers Supplied by MVTL: Yes ☒ No ☐ Designate customer supplied containers as "Other" in container size column

Number	Containers Size (mL)	Container Type	Preservation	pH
49	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
49	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
49	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
49	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
49	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
49	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
49	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
Low Level Mercury Kit				
DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!				
4 oz Jar	Clear Amber	MeOH	None	n/a
2 oz Jar	Clear Amber	MeOH	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H ₃ PO ₄ H ₂ SO ₄ None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H ₃ PO ₄ H ₂ SO ₄ None	n/a
Trip Blank Individual Set of 2 Set of 3			n/a	
Moisture Vial			n/a	
Manure Bottle			n/a	

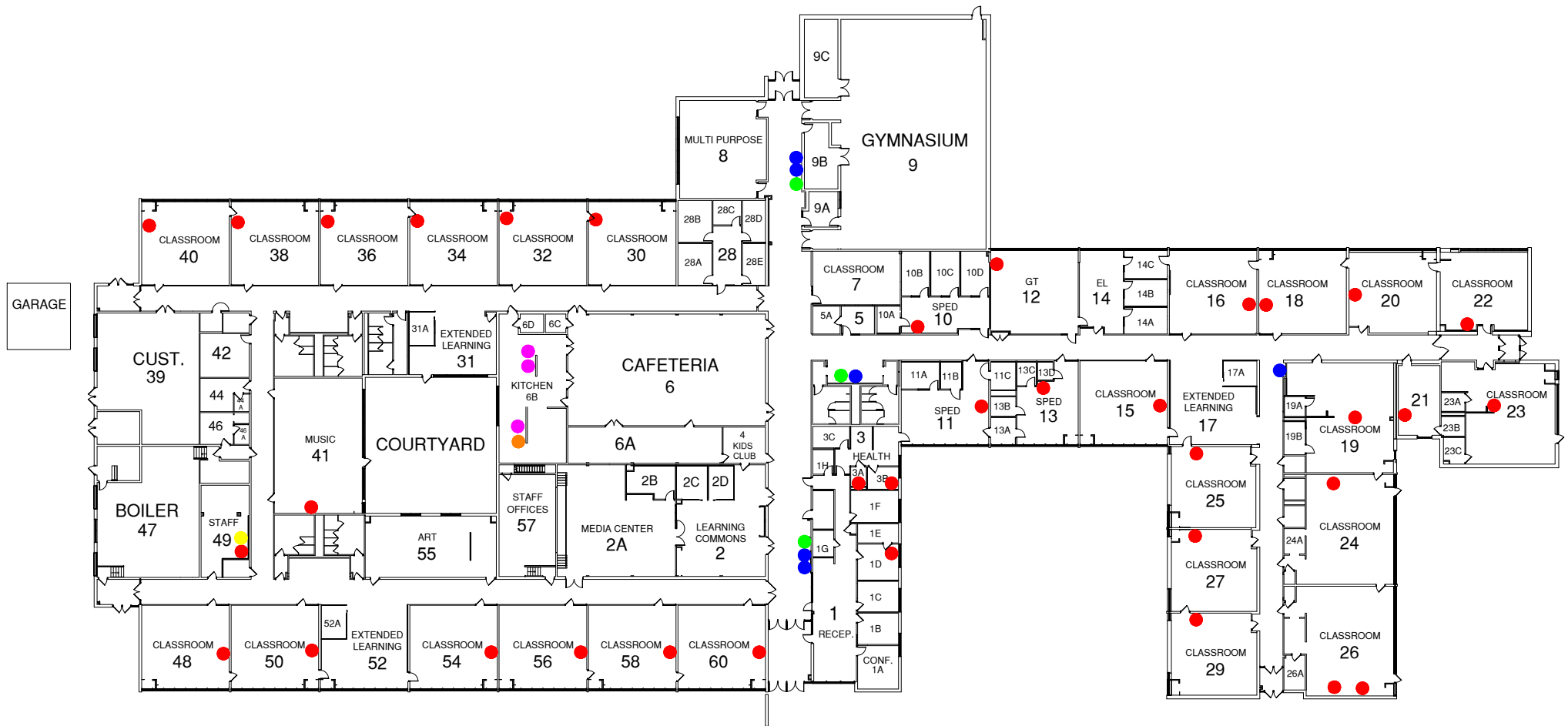
*ANY CONTAINER SENT TO A SUBCONTRACT LABORATORY WILL NOT BE CHECKED FOR PRESERVATION!

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LEGEND

- SINK
- WATER COOLER
- BOTTLE FILLER
- KITCHEN SINK
- KITCHEN SPRAYER
- COFFEE MAKER



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Workorder: Transportation Building (6095)
Account #: 2190
Project #: 202211196

Client: Institute for Environmental Assessment (IEA)
PO: 202211196

Spencer West
IEA/Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

Dave Smahel, Inorganic Chemistry/Feed Lab Manager New Ulm, MN

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

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Workorder: Transportation Building (6095)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

6095001 (11232022TC-01) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6095002 (11232022TC-02) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

6095003 (11232022TC-03) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
The following preservation was added by MVTL: nitric acid

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**Workorder:** Transportation Building (6095)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 6095001 **Date Collected:** 11/23/2022 09:45 **Matrix:** Potable Water
Sample ID: 11232022TC-01 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Break Room-SNK

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	12/05/2022 17:11	

Lab ID: 6095002 **Date Collected:** 11/23/2022 09:45 **Matrix:** Potable Water
Sample ID: 11232022TC-02 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Front Entrance-WC (right)

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	12/05/2022 17:12	

Lab ID: 6095003 **Date Collected:** 11/23/2022 09:45 **Matrix:** Potable Water
Sample ID: 11232022TC-03 **Date Received:** 12/01/2022 14:20
Temp @ Receipt (C):
Sample Desc: Front Entrance-WC (left)

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	12/05/2022 17:13	

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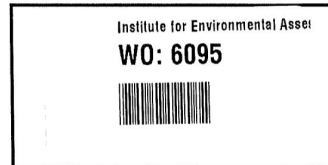
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Workorder: Transportation Building (6095)

Client: Institute for Environmental Assessment (IEA)



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Workorder: Transportation Building (6095)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

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Brooklyn Park, MN 55445
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6095

[illegible]

4 Feb 1 Dec 22 0950 AMB

4 Feb 1 Dec 22 1420

AMB DR 1 Dec 22 14:20 13.7°C JM774

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Workorder: Transportation Building (6095)**Client:** Institute for Environmental Assessment (IEA)**Sample Condition Checklist**

Date: 1 Dec 22 Time: 14:20 ☐ AM ☒ PM
Account Name: IEA / Spencer West By: Dawn R
Bill of Lading #: _____ Account #: _____
Temp: 13.7 °C ROI ☐ Ambient ☒ Cooler #: _____
TM#: 774 Ice Crystals Present in Sample ☐ Tracking #: _____
MVTL Courier: Dan Other: TC
MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ SpeedDee ☐
Mail ☐ UPS Ground ☐ FedEx Ground ☐

Containers Supplied by MVTL: Yes ☒ No ☐ Designate customer supplied containers as "Other" in container size column

Comments:

Number	Containers Size (mL)	Container Type	Preservation	pH
3	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
Low Level Mercury Kit		**I DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!**		
4 oz Jar	Clear Amber	MeOH	None	n/a
2 oz Jar	Clear Amber	MeOH	None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H ₃ PO ₄ H ₂ SO ₄ None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H ₃ PO ₄ H ₂ SO ₄ None	n/a
Trip Blank Individual Set of 2 Set of 3			n/a	
Moisture Vial			n/a	
Manure Bottle			n/a	

*ANY CONTAINER SENT TO A SUBCONTRACT LABORATORY WILL NOT BE CHECKED FOR PRESERVATION!

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.

Report Date: Tuesday, December 6, 2022 3:40:54 PM

LEGEND

- SINK
- WATER COOLER

