

November 16, 2022



Belinda Selfors
Stewartville Public Schools
301 2nd Street SW
Stewartville, MN 55976

**RE: Stewartville Public Schools
Lead-in-Water First Draw – Initial Testing
IEA Project #202210553**

Dear Ms Selfors:

At the request of Stewartville Public Schools, IEA collected one hundred and twenty-eight (128) water samples from identified potable water sources on October 20, 2022 for lead analyses from the following buildings:

- Bear Cave Intermediate (65 samples)
- Bonner Elementary (12 samples)
- Central Education Center (7 samples)
- Stewartville High/Middle School (44 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 one hundred and twenty-eight (128) 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 55.8 ppb. There are four (4) sample results greater than the EPA action 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

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
102022SHS-21	Stewartville High/Middle	Kitchen	Braiser Faucet	55.8
102022SHS-11	Stewartville High/Middle	Hallway by Room 262	Water Cooler	31.2
102022BON-04	Bonner Elementary	Cafeteria	Drinking Fountain	32.9
102022CEN-05	Central Education Center	Kitchen (NE) Prep Sink	Sink Faucet	28.3

ppb – parts per billion

In addition, nineteen (19) results showed lead levels between 2 ppb and 20 ppb. See *Table 2: Water Testing Results Between 2ppb and 20 ppb*. Although the EPA recommends that school drinking water not exceed 20 ppb, the MDH and MDE recommends schools reduce the amount of lead in drinking water to as close to zero as possible.

Table 2: Water Testing Results Between 2 ppb and 20 ppb

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
102022BCI-06	Bear Cave Intermediate	Kitchen	Hot Water Dispenser	9.13
102022BCI-07	Bear Cave Intermediate	Kitchen	Steam Kettle Faucet	4.26
102022BCI-31	Bear Cave Intermediate	Room 122	Drinking Fountain	3.81
102022BCI-33	Bear Cave Intermediate	Room 128	Drinking Fountain	2.32
102022BCI-19	Bear Cave Intermediate	Room 115	Drinking Fountain	2.19
102022BCI-30	Bear Cave Intermediate	Room 123	Drinking Fountain	2.12
102022BON-01	Bonner Elementary	Gym (North)	Drinking Fountain	14.4
102022BON-02	Bonner Elementary	Kitchen	Sink	11.8
102022BON-12	Bonner Elementary	Hallway by Room C108	Drinking Fountain	6.26
102022CEN-07	Central Education Center	Room 301	Sink	3.12
102022SHS-35	Stewartville High/Middle	Room 143	Sink	13.4
102022SHS-41	Stewartville High/Middle	Room 157	Sink	6.67
102022SHS-39	Stewartville High/Middle	Room 124	Sink	6.27

102022SHS-36	Stewartville High/Middle	Room 143	Drinking Fountain	4.53
102022SHS-19	Stewartville High/Middle	Kitchen	Veggie Sprayer	3.08
102022SHS-20	Stewartville High/Middle	Kitchen West Island	Prep Sink	2.77
102022SHS-15	Stewartville High/Middle	Room 314 Boy's Locker Room	Water Cooler	2.72
102022SHS-10	Stewartville High/Middle	Hallway by Room 252	Water Cooler	2.71
102022SHS-38	Stewartville High/Middle	Room 139	Drinking Fountain	2.71

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. The MDH and MDE recommend taking a fixture out of service if levels are 20 parts per billion (ppb) or higher until further action can be taken.
- 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 Stewartville 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 #10543 dated May 18th, 2022, regarding lead-in-water sampling at Stewartville Public Schools, 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.



Dan Fitch, CSRM
Senior Project Manager

Enc.

Appendix A

Laboratory Testing Report



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: Bear Cave Intermediate (4633)
Account #: 2190
Project #: 202210553

Client: Institute for Environmental Assessment (IEA)
PO: 202210553

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: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4633001 (102022BCI-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

4633002 (102022BCI-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

4633003 (102022BCI-03) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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4633004 (102022BCI-04) - Sample

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4633005 (102022BCI-05) - Sample

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The following preservation was added by MVTL: nitric acid

4633006 (102022BCI-06) - Sample

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

4633007 (102022BCI-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

4633008 (102022BCI-08) - Sample

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

4633009 (102022BCI-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

4633010 (102022BCI-10) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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4633011 (102022BCI-11) - Sample

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4633012 (102022BCI-12) - Sample

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

4633013 (102022BCI-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

4633014 (102022BCI-14) - 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: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4633015 (102022BCI-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

4633016 (102022BCI-16) - Sample

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

4633017 (102022BCI-17) - Sample

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

4633018 (102022BCI-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

4633019 (102022BCI-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

4633020 (102022BCI-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

4633021 (102022BCI-21) - Sample

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

4633022 (102022BCI-22) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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4633023 (102022BCI-23) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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4633024 (102022BCI-24) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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4633025 (102022BCI-25) - Sample

This sample was either unpreserved or needed additional preservation upon receipt at the laboratory.
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4633026 (102022BCI-26) - Sample

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4633027 (102022BCI-27) - Sample

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4633028 (102022BCI-28) - Sample

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4633029 (102022BCI-29) - Sample

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

4633030 (102022BCI-30) - 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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www.MVTL.com



Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4633031 (102022BCI-31) - Sample

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

4633032 (102022BCI-32) - Sample

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The following preservation was added by MVTL: nitric acid

4633033 (102022BCI-33) - Sample

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4633034 (102022BCI-34) - Sample

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4633035 (102022BCI-35) - Sample

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4633036 (102022BCI-36) - Sample

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4633037 (102022BCI-37) - Sample

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4633038 (102022BCI-38) - Sample

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4633039 (102022BCI-39) - Sample

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4633040 (102022BCI-40) - Sample

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4633041 (102022BCI-41) - Sample

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4633042 (102022BCI-42) - Sample

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4633043 (102022BCI-43) - Sample

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4633044 (102022BCI-44) - Sample

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The following preservation was added by MVTL: nitric acid

4633045 (102022BCI-45) - Sample

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

4633046 (102022BCI-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

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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4633047 (102022BCI-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

4633048 (102022BCI-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

4633049 (102022BCI-49) - Sample

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4633050 (102022BCI-50) - Sample

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4633051 (102022BCI-51) - Sample

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4633052 (102022BCI-52) - Sample

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4633053 (102022BCI-53) - Sample

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4633054 (102022BCI-54) - Sample

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4633055 (102022BCI-55) - Sample

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4633056 (102022BCI-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

4633057 (102022BCI-57) - Sample

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4633058 (102022BCI-58) - Sample

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4633059 (102022BCI-59) - Sample

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4633060 (102022BCI-60) - Sample

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

4633061 (102022BCI-61) - Sample

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

4633062 (102022BCI-62) - Sample

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The following preservation was added by MVTL: nitric acid

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www.MVTL.com



Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4633063 (102022BCI-63) - Sample

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

4633064 (102022BCI-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

4633065 (102022BCI-65) - Sample

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The following preservation was added by MVTL: nitric acid

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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4633001 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-01 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 334 Lounge -S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:32	

Lab ID: 4633002 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-02 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 333 Concessions-S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:33	

Lab ID: 4633003 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-03 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen West Prep Sink

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:34	

Lab ID: 4633004 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-04 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen East Prep Sink

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:36	

Lab ID: 4633005 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-05 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen East Sprayer

Parameter	Results	Units	MCL	Analyzed	Qual
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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 18:37

Lab ID: 4633006 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-06 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen Hot water Dispenser

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 9.13 ug/L 15 11/09/2022 18:39

Lab ID: 4633007 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-07 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen Steam Kettle Faucet

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 4.26 ug/L 15 11/09/2022 18:40

Lab ID: 4633008 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-08 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Cafeteria S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.858 ug/L 15 11/09/2022 18:41

Lab ID: 4633009 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-09 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Cafeteria right BF

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 18:43

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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 4633010 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-10 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Cafeteria right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:44	

Lab ID: 4633011 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-11 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Cafeteria Left WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:56	

Lab ID: 4633012 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-12 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Gym DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:57	

Lab ID: 4633013 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-13 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 306 S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:58	

Lab ID: 4633014 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-14 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 306 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 18:58	

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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 19:00

Lab ID: 4633015 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-15 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 307 S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.866 ug/L 15 11/09/2022 19:01

Lab ID: 4633016 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-16 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 307 DF

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.929 ug/L 15 11/09/2022 19:03

Lab ID: 4633017 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-17 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 103 Nurse S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 19:04

Lab ID: 4633018 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-18 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Office area by Room 113-S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 19:05

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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4633019 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-19 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 115 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	2.19	ug/L	15	11/09/2022 19:07	

Lab ID: 4633020 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-20 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 148 right BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 19:08	

Lab ID: 4633021 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-21 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 148 right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 19:19	

Lab ID: 4633022 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-22 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 148 left WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 19:21	

Lab ID: 4633023 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-23 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 152 DF

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead	1.10	ug/L	15	11/09/2022 19:22
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Lab ID: 4633024	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-24	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 151 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.848	ug/L	15	11/09/2022 19:24
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Lab ID: 4633025	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-25	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 147 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 19:25
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Lab ID: 4633026	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-26	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 118 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 19:26
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Lab ID: 4633027	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-27	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 119 right BF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 19:28
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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4633028 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-28 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 119 right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 19:29	

Lab ID: 4633029 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-29 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 119 left WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 19:31	

Lab ID: 4633030 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-30 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 123 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	2.12	ug/L	15	11/09/2022 19:32	

Lab ID: 4633031 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-31 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 122 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	3.81	ug/L	15	11/09/2022 19:43	

Lab ID: 4633032 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-32 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 126 S

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 19:45
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Lab ID: 4633033	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-33	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 128 DF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	2.32	ug/L	15	11/09/2022 19:46
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Lab ID: 4633034	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-34	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 132 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 19:47
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Lab ID: 4633035	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-35	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 137-DF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	1.00	ug/L	15	11/09/2022 19:49
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Lab ID: 4633036	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-36	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 136 DF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.583	ug/L	15	11/09/2022 19:50
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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 4633037 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-37 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 203 Media Center S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.741	ug/L	15	11/09/2022 19:52	

Lab ID: 4633038 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-38 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 214 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.514	ug/L	15	11/09/2022 19:53	

Lab ID: 4633039 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-39 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 248 right BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 19:54	

Lab ID: 4633040 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-40 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 248 Right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 19:56	

Lab ID: 4633041 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-41 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 248 left WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 20:13

Lab ID: 4633042 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-42 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 252 DF

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 1.24 ug/L 15 11/09/2022 20:14

Lab ID: 4633043 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-43 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 251 DF

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 1.58 ug/L 15 11/09/2022 20:15

Lab ID: 4633044 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-44 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 247-S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 20:17

Lab ID: 4633045 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-45 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 218-S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/09/2022 20:18

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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4633046 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-46 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 219 right BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 20:20	

Lab ID: 4633047 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-47 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 219 right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 20:21	

Lab ID: 4633048 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-48 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 219 left WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 20:22	

Lab ID: 4633049 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-49 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 223 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	1.27	ug/L	15	11/09/2022 20:24	

Lab ID: 4633050 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-50 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 222 S

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead	0.575	ug/L	15	11/09/2022 20:25
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Lab ID: 4633051	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-51	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 226 DF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	1.86	ug/L	15	11/09/2022 20:36
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Lab ID: 4633052	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-52	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 228 DF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	1.73	ug/L	15	11/09/2022 20:38
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Lab ID: 4633053	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-53	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 232 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 20:39
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Lab ID: 4633054	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-54	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 223 right BF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 20:41
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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 4633055 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-55 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 233 right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 20:42	

Lab ID: 4633056 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-56 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 223 left WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 20:43	

Lab ID: 4633057 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-57 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 237 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	1.70	ug/L	15	11/09/2022 20:45	

Lab ID: 4633058 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-58 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 236 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.575	ug/L	15	11/09/2022 20:46	

Lab ID: 4633059 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-59 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 236 S

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Bear Cave Intermediate (4633)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead	0.504	ug/L	15	11/09/2022 20:48
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Lab ID: 4633060	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-60	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 228 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	1.08	ug/L	15	11/09/2022 20:49
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Lab ID: 4633061	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-61	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 226 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.785	ug/L	15	11/09/2022 21:00
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Lab ID: 4633062	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-62	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 237 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.679	ug/L	15	11/09/2022 21:02
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Lab ID: 4633063	Date Collected: 10/20/2022 11:30	Matrix: Potable Water
Sample ID: 102022BCI-63	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 252 S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 21:03
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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4633064 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-64 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 123 S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 21:04	

Lab ID: 4633065 **Date Collected:** 10/20/2022 11:30 **Matrix:** Potable Water
Sample ID: 102022BCI-65 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 137 S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/09/2022 21:06	

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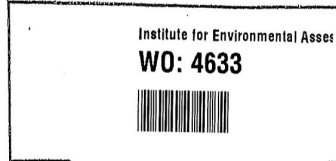
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Effective Date: 26 Feb 2021

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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

4633

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Brooklyn Park, MN 55445
763.315.7900 1.800.233.9588

Chain of Custody

Client Name	Stewartville Public Schools	Building Name	Bear Cave Intermediate	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting <i>Erin Heiting</i>	Date	10/20/2022	Time	11:30 AM
Shipped By	MVTL Pickup	Date		Time	
Received By		Date		Time	
Analyzed By (Company)		Turnaround Time	Normal		Notes
Sample Condition	Good		Temperature		

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
	102022BCI-01	01 Room 334 Lounge - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-02	02 Room 333 Concessions - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-03	03 Kitchen - West Prep Sink	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-04	04 Kitchen - East Prep Sink	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-05	05 Kitchen - East Sprayer	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-06	06 Kitchen - Hot Water Dispenser	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-07	07 Kitchen - Steam Kettle Faucet	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-08	08 Cafeteria - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-09	09 Cafeteria - right BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-10	10 Cafeteria - right WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-11	11 Cafeteria - left WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-12	12 Gym - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-13	13 Room 306 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-14	14 Room 306 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-15	15 Room 307 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-16	16 Room 307 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-17	17 Room 103 Nurse - S	X			10/20/2022	250 ml unpreserved	Lead	

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Workorder: Bear Cave Intermediate (4633)

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Chain of Custody

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Client Name	Stewartville Public Schools	Building Name	Bear Cave Intermediate	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting	Date	10/20/2022	Time	11:30 AM
Shipped By	MVTL Pickup	Date		Turnaround Time	Normal
Received By		Date		Sample Condition	Good

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
	102022BCI-18	18 Office area by Room 113 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-19	19 Room 115 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-20	20 Room 148 - right BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-21	21 Room 148 - right WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-22	22 Room 148 - left WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-23	23 Room 152 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-24	24 Room 151 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-25	25 Room 147 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-26	26 Room 118 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-27	27 Room 119 - right BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-28	28 Room 119 - right WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-29	29 Room 119 - left WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-30	30 Room 123 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-31	31 Room 122 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-32	32 Room 126 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-33	33 Room 128 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-34	34 Room 132 - S	X			10/20/2022	250 ml unpreserved	Lead	

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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

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Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
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Client Name	Stewartville Public Schools	Building Name	Bear Cave Intermediate	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting <i>Erin Heiting</i>	Date	10/20/2022	Time	11:30 AM
Shipped By	MVTL Pickup	Date		Time	
Received By		Date		Time	
Analyzed By (Company)		Turnaround Time	Normal	Notes	
Sample Condition	Good	Temperature			

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
	102022BCI-35	35 Room 137 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-36	36 Room 136 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-37	37 Room 203 Media Center - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-38	38 Room 214 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-39	39 Room 248 - right BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-40	40 Room 248 - right WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-41	41 Room 248 - left WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-42	42 Room 252 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-43	43 Room 251 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-44	44 Room 247 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-45	45 Room 218 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-46	46 Room 219 - right BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-47	47 Room 219 - right WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-48	48 Room 219 - left WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-49	49 Room 223 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-50	50 Room 222 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-51	51 Room 226 - DF	X			10/20/2022	250 ml unpreserved	Lead	

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AMB Date Rec'd 210122 1245 19.9 ppm 771

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Report Date: Thursday, November 10, 2022 12:52:37 PM



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1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.MVTL.com



Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)

4 of 4

4633

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9555
IEA

Client Name	Stewartville Public Schools	Building Name	Bear Cave Intermediate	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information										
Sampled By	Erin Heiting	Date	10/20/2022	Time	11:30 AM	Analyzed By (Company)		Analyst		Date & Time
Shipped By	MVTL Pickup	Date		Time		Turnaround Time	Normal	Notes		
Received By		Date		Time		Sample Condition	Good	Temperature		

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
	102022BCI-52	52 Room 228 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-53	53 Room 232 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-54	54 Room 233 - right BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-55	55 Room 233 - right WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-56	56 Room 233 - left WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-57	57 Room 237 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-58	58 Room 236 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-59	59 Room 236 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-60	60 Room 228 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-61	61 Room 226 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-62	62 Room 237 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-63	63 Room 252 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-64	64 Room 123 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022BCI-65	65 Room 137 - S	X			10/20/2022	250 ml unpreserved	Lead	

Original - Analytical Lab
Copy - Client File
Copy - IEA Lab
Am B Detk Bkhd 21 Oct 22 1245 19.9
10/21

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Workorder: Bear Cave Intermediate (4633)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

4633

Date: 21 Oct 22 Time: 12:45 PM By: SP
Account Name: IEA/Stewartville
Temp: 19.9 C Ambient checked
TM#: 771
MVTL Courier: Dick
MVTL Route: Southeast

Containers Supplied by MVTL: Yes [X] No [] Designate customer supplied containers as "Other" in container size column

Table with columns: Number, Containers Size (mL), Container Type, Preservation, pH. Includes rows for various container sizes and types, and a note: **I DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!**

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

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Workorder: Bonner Elementary (4637)
Account #: 2190
Project #: 202210553

Client: Institute for Environmental Assessment (IEA)
PO: 202210553

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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Report Date: Monday, November 14, 2022 6:22:03 AM



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Workorder: Bonner Elementary (4637)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4637001 (102022BON-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

4637002 (102022BON-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

4637003 (102022BON-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

4637004 (102022BON-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

4637005 (102022BON-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

4637006 (102022BON-06) - Sample

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

4637007 (102022BON-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

4637008 (102022BON-08) - Sample

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

4637009 (102022BON-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

4637010 (102022BON-10) - Sample

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

4637011 (102022BON-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

4637012 (102022BON-12) - 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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Report Date: Monday, November 14, 2022 6:22:03 AM

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**Workorder:** Bonner Elementary (4637)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 4637001 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-01 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Gym-North DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	14.4	ug/L	15	11/09/2022 21:07	

Lab ID: 4637002 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-02 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen-S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	11.8	ug/L	15	11/09/2022 21:09	

Lab ID: 4637003 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-03 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen-Sprayer

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/11/2022 16:49	

Lab ID: 4637004 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-04 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Cafeteria-DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	32.9	ug/L	15	11/09/2022 21:10	

Lab ID: 4637005 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-05 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by room A149-BF

Parameter	Results	Units	MCL	Analyzed	Qual
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Report Date: Monday, November 14, 2022 6:22:03 AM

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**Workorder:** Bonner Elementary (4637)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 21:12
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Lab ID: 4637006	Date Collected: 10/20/2022 06:00	Matrix: Potable Water
Sample ID: 102022BON-06	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Hallway by Room 149-WC		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 21:13
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Lab ID: 4637007	Date Collected: 10/20/2022 06:00	Matrix: Potable Water
Sample ID: 102022BON-07	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Hallway by Room B112B (Health Office)-BF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 21:24
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Lab ID: 4637008	Date Collected: 10/20/2022 06:00	Matrix: Potable Water
Sample ID: 102022BON-08	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Hallway by Room B112 (Health Office)-WC		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/09/2022 21:26
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Lab ID: 4637009	Date Collected: 10/20/2022 06:00	Matrix: Potable Water
Sample ID: 102022BON-09	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room C123 Lounge-S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	1.32	ug/L	15	11/09/2022 21:27
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Report Date: Monday, November 14, 2022 6:22:03 AM



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Workorder: Bonner Elementary (4637)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4637010 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-10 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room C119-BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 11/09/2022 21:28	

Lab ID: 4637011 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-11 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room C119-WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 11/09/2022 21:30	

Lab ID: 4637012 **Date Collected:** 10/20/2022 06:00 **Matrix:** Potable Water
Sample ID: 102022BON-12 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room C108-DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	6.26	ug/L		15 11/09/2022 21:31	

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Report Date: Monday, November 14, 2022 6:22:03 AM



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Workorder: Bonner Elementary (4637)

Client: Institute for Environmental Assessment (IEA)



Form #10-90053-0

See above for page number

Effective Date: 26 Feb 2021

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Report Date: Monday, November 14, 2022 6:22:03 AM

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Workorder: Bonner Elementary (4637)

Client: Institute for Environmental Assessment (IEA)

4637

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9518

Client Name	Stewartville Public Schools	Building Name	Bonner Elementary	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting <i>Erin Heiting</i>	Date	10/20/2022	Time	6:00 AM
Shipped By	MVTL Pickup	Date		Time	
Received By		Date		Time	
Analyzed By (Company)		Turnaround Time	Normal	Notes	
Sample Condition	Good	Temperature			

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
01	102022BON-01	Gym - North DF	X			10/20/2022	250 ml unpreserved	Lead	
02	102022BON-02	Kitchen - S	X			10/20/2022	250 ml unpreserved	Lead	on wall to right of sprayer, slightly brown
03	102022BON-03	Kitchen - Sprayer	X			10/20/2022	250 ml unpreserved	Lead	
04	102022BON-04	Cafeteria - DF	X			10/20/2022	250 ml unpreserved	Lead	
05	102022BON-05	Hallway by Room A149 - BF	X			10/20/2022	250 ml unpreserved	Lead	
06	102022BON-06	Hallway by Room 149 - WC	X			10/20/2022	250 ml unpreserved	Lead	
07	102022BON-07	Hallway by Room B112B (Health Office) - BF	X			10/20/2022	250 ml unpreserved	Lead	
08	102022BON-08	Hallway by Room B112 (Health Office) - WC	X			10/20/2022	250 ml unpreserved	Lead	
09	102022BON-09	Room C123 Lounge - S	X			10/20/2022	250 ml unpreserved	Lead	
10	102022BON-10	Hallway by Room C119 - BF	X			10/20/2022	250 ml unpreserved	Lead	
11	102022BON-11	Hallway by Room C119 - WC	X			10/20/2022	250 ml unpreserved	Lead	
12	102022BON-12	Hallway by Room C108 - DF	X			10/20/2022	250 ml unpreserved	Lead	

Original - Analytical Lab
Copy - Client File
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AMB Desk Recheck 21 Oct 22 19.8 T771

SP 21 Oct 22 18:45

AMB 19.8 771

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Workorder: Central Education Center (4639) **Client:** Institute for Environmental Assessment (IEA)
Account #: 2190 **PO:** 202210553
Project #: 202210553

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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Report Date: Friday, November 11, 2022 2:14:59 PM



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Workorder: Central Education Center (4639)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4639001 (102022CEN-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

4639002 (102022CEN-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

4639003 (102022CEN-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

4639004 (102022CEN-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

4639005 (102022CEN-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

4639006 (102022CEN-06) - Sample

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

4639007 (102022CEN-07) - Sample

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Report Date: Friday, November 11, 2022 2:14:59 PM

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Workorder: Central Education Center (4639) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4639001 **Date Collected:** 10/20/2022 07:00 **Matrix:** Potable Water
Sample ID: 102022CEN-01 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 121-BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/10/2022 11:31	

Lab ID: 4639002 **Date Collected:** 10/20/2022 07:00 **Matrix:** Potable Water
Sample ID: 102022CEN-02 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 121-WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/10/2022 11:32	

Lab ID: 4639003 **Date Collected:** 10/20/2022 07:00 **Matrix:** Potable Water
Sample ID: 102022CEN-03 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Cafeteria-BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/10/2022 11:33	

Lab ID: 4639004 **Date Collected:** 10/20/2022 07:00 **Matrix:** Potable Water
Sample ID: 102022CEN-04 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Cafeteria-WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/10/2022 11:34	

Lab ID: 4639005 **Date Collected:** 10/20/2022 07:00 **Matrix:** Potable Water
Sample ID: 102022CEN-05 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen-NE Prep Sink

Parameter	Results	Units	MCL	Analyzed	Qual
-----------	---------	-------	-----	----------	------

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Workorder: Central Education Center (4639) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Inorganic Chemistry					
Method: EPA 200.8					
Lead	28.3	ug/L	15	11/10/2022 11:35	

Lab ID: 4639006	Date Collected: 10/20/2022 07:00	Matrix: Potable Water
Sample ID: 102022CEN-06	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Gym-WC		

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	1.80	ug/L	15	11/10/2022 11:36	

Lab ID: 4639007	Date Collected: 10/20/2022 07:00	Matrix: Potable Water
Sample ID: 102022CEN-07	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 301-S		

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	3.12	ug/L	15	11/10/2022 11:37	

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Workorder: Central Education Center (4639)

Client: Institute for Environmental Assessment (IEA)



Form #10-90053-0

See above for page number

Effective Date: 26 Feb 2021

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Workorder: Central Education Center (4639)

Client: Institute for Environmental Assessment (IEA)

4639

Chain of Custody

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

Client Name	Stewartville Public Schools	Building Name	Central Education Center	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting <i>Erin Heiting</i>	Date	10/20/2022	Time	7:00 AM
Shipped By	MVTL Pickup	Date		Time	
Received By		Date		Time	
Analyzed By (Company)		Turnaround Time	Normal		Notes
Sample Condition	Good		Temperature		

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
01	102022CEN-01	Hallway by Room 121 - BF	X			10/20/2022	250 ml unpreserved	Lead	
02	102022CEN-02	Hallway by Room 121 - WC	X			10/20/2022	250 ml unpreserved	Lead	
03	102022CEN-03	Cafeteria - BF	X			10/20/2022	250 ml unpreserved	Lead	
04	102022CEN-04	Cafeteria - WC	X			10/20/2022	250 ml unpreserved	Lead	
05	102022CEN-05	Kitchen - NE Prep Sink	X			10/20/2022	250 ml unpreserved	Lead	
06	102022CEN-06	Gym - WC	X			10/20/2022	250 ml unpreserved	Lead	
07	102022CEN-07	Room 301 - S	X			10/20/2022	250 ml unpreserved	Lead	

*Am B Desk Rollup 210522 1245 19.8
 TW 271*

Original - Analytical Lab
 Copy - Client File
 Copy - IEA Lab

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Workorder: Central Education Center (4639)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 21 Oct 22 Time: 12:45 PM By: SP
Account Name: IEA
Temp: 19.8 °C
MVTL Courier: Dick
MVTL Route: Southeast

Table with columns: Number, Containers Size (mL), Container Type, Preservation, pH. Includes rows for various container sizes and a note: **I DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!**

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

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Workorder: Stewartville High/Middle (4644)
Account #: 2190
Project #: 202210553

Client: Institute for Environmental Assessment (IEA)
PO: 202210553

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: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4644001 (102022SHS-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

4644002 (102022SHS-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

4644003 (102022SHS-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

4644004 (102022SHS-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

4644005 (102022SHS-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

4644006 (102022SHS-06) - Sample

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

4644007 (102022SHS-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

4644008 (102022SHS-08) - Sample

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

4644009 (102022SHS-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

4644010 (102022SHS-10) - Sample

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

4644011 (102022SHS-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

4644012 (102022SHS-12) - Sample

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

4644013 (102022SHS-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

4644014 (102022SHS-14) - 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: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4644015 (102022SHS-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

4644016 (102022SHS-16) - Sample

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

4644017 (102022SHS-17) - Sample

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

4644018 (102022SHS-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

4644019 (102022SHS-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

4644020 (102022SHS-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

4644021 (102022SHS-21) - Sample

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

4644022 (102022SHS-22) - Sample

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

4644023 (102022SHS-23) - Sample

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

4644024 (102022SHS-24) - Sample

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

4644025 (102022SHS-25) - Sample

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

4644026 (102022SHS-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

4644027 (102022SHS-27) - Sample

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

4644028 (102022SHS-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

4644029 (102022SHS-29) - Sample

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

4644030 (102022SHS-30) - 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: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

Workorder Summary

Sample Comments

4644031 (102022SHS-31) - Sample

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

4644032 (102022SHS-32) - Sample

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

4644033 (102022SHS-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

4644034 (102022SHS-34) - Sample

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

4644035 (102022SHS-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

4644036 (102022SHS-36) - Sample

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

4644037 (102022SHS-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

4644038 (102022SHS-38) - Sample

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

4644039 (102022SHS-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

4644040 (102022SHS-40) - Sample

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

4644041 (102022SHS-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

4644042 (102022SHS-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

4644043 (102022SHS-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

4644044 (102022SHS-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

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**Workorder:** Stewartville High/Middle (4644)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 4644001 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-01 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Concessions/Gym Right BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/11/2022 17:32	

Lab ID: 4644002 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-02 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway By Concessions/Gym Right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/11/2022 17:33	

Lab ID: 4644003 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-03 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Concessions/Gym Left WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/11/2022 17:35	

Lab ID: 4644004 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-04 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Concessions S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	1.48	ug/L	15	11/11/2022 17:36	

Lab ID: 4644005 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-05 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 510 Girl's Locker Room WC

Parameter	Results	Units	MCL	Analyzed	Qual
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**Workorder:** Stewartville High/Middle (4644)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Inorganic Chemistry

Method: EPA 200.8

Lead	0.520	ug/L	15	11/11/2022 17:38
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Lab ID: 4644006	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-06	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 506 Boy's Locker Room WC		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/11/2022 17:54
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Lab ID: 4644007	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-07	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: HS Entry by Ticket Booth Left WC		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/11/2022 17:56
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Lab ID: 4644008	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-08	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: HS Entry by Ticket Booth Right WC		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/11/2022 17:57
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Lab ID: 4644009	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-09	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Rooms 247 Sped Kitchen S		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	1.46	ug/L	15	11/11/2022 17:59
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**Workorder:** Stewartville High/Middle (4644)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 4644010 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-10 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 252 WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	2.71	ug/L	15	11/11/2022 18:00	

Lab ID: 4644011 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-11 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 262 WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	31.2	ug/L	15	11/11/2022 18:01	

Lab ID: 4644012 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-12 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 231 WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.831	ug/L	15	11/11/2022 18:03	

Lab ID: 4644013 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-13 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 306 BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/11/2022 18:04	

Lab ID: 4644014 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-14 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 306 WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/11/2022 18:04	

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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/11/2022 18:06
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Lab ID: 4644015	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-15	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 314 Boy's Locker Room WC		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	2.72	ug/L	15	11/11/2022 18:07
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Lab ID: 4644016	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-16	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Cafeteria BF		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/11/2022 18:18
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Lab ID: 4644017	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-17	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Cafeteria WC		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/11/2022 18:20
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Lab ID: 4644018	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-18	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Kitchen Veggie Sink		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.640	ug/L	15	11/11/2022 18:21
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Lab ID: 4644019 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-19 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen Veggie Sprayer

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	3.08	ug/L	15	11/11/2022 18:22	

Lab ID: 4644020 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-20 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen West Island Prep Sink

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	2.77	ug/L	15	11/11/2022 18:24	

Lab ID: 4644021 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-21 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Kitchen Braiser Faucet

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	55.8	ug/L	15	11/11/2022 18:25	

Lab ID: 4644022 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-22 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 404 FACS Sink 1

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/11/2022 18:27	

Lab ID: 4644023 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-23 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 404 FACS Sink 2

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.783	ug/L	15	11/11/2022 18:28
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Lab ID: 4644024	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-24	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 404 FACS Sink 3		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.746	ug/L	15	11/11/2022 18:29
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Lab ID: 4644025	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-25	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 404 FACS Sink 4		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	0.563	ug/L	15	11/11/2022 18:31
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Lab ID: 4644026	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-26	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 404 FACS Sink 5		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/14/2022 15:57
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Lab ID: 4644027	Date Collected: 10/20/2022 08:30	Matrix: Potable Water
Sample ID: 102022SHS-27	Date Received: 10/21/2022 12:45	
Temp @ Receipt (C):		
Sample Desc: Room 404 FACS Sink 6		

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead	<0.5	ug/L	15	11/14/2022 15:59
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Workorder: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 4644028 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-28 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Weight Room BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/14/2022 16:01	

Lab ID: 4644029 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-29 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Weight Room WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/14/2022 16:03	

Lab ID: 4644030 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-30 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 160 and Restrooms Right BF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/14/2022 16:05	

Lab ID: 4644031 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-31 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 160 and Restrooms Right WC

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L	15	11/14/2022 16:07	

Lab ID: 4644032 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-32 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 160 and Restrooms Left WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/14/2022 16:09

Lab ID: 4644033 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-33 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 152 WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/14/2022 16:11

Lab ID: 4644034 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-34 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 126 Staff Lounge S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.618 ug/L 15 11/14/2022 16:16

Lab ID: 4644035 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-35 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 143 S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 13.4 ug/L 15 11/14/2022 16:13

Lab ID: 4644036 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-36 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 143 DF

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 4.53 ug/L 15 11/11/2022 19:06

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**Workorder:** Stewartville High/Middle (4644)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 4644037 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-37 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 140 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	0.594	ug/L		15 11/11/2022 19:07	

Lab ID: 4644038 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-38 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 139 DF

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	2.71	ug/L		15 11/11/2022 19:09	

Lab ID: 4644039 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-39 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 124 S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	6.27	ug/L		15 11/11/2022 19:10	

Lab ID: 4644040 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-40 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 149 S

Parameter	Results	Units	MCL	Analyzed	Qual
Inorganic Chemistry					
Method: EPA 200.8					
Lead	<0.5	ug/L		15 11/11/2022 19:11	

Lab ID: 4644041 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-41 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 157 S

Parameter	Results	Units	MCL	Analyzed	Qual
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Workorder: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Inorganic Chemistry

Method: EPA 200.8

Lead 6.67 ug/L 15 11/11/2022 19:13

Lab ID: 4644042 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-42 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Room 447 Nurse S

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead 0.662 ug/L 15 11/11/2022 19:14

Lab ID: 4644043 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-43 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 422 WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/11/2022 19:16

Lab ID: 4644044 **Date Collected:** 10/20/2022 08:30 **Matrix:** Potable Water
Sample ID: 102022SHS-44 **Date Received:** 10/21/2022 12:45
Temp @ Receipt (C):
Sample Desc: Hallway by Room 425 WC

Parameter	Results	Units	MCL	Analyzed	Qual
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Inorganic Chemistry

Method: EPA 200.8

Lead <0.5 ug/L 15 11/11/2022 19:17

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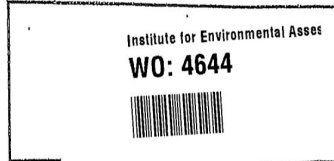
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Effective Date: 26 Feb 2021

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Workorder: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

4644

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

Chain of Custody

Client Name	Stewartville Public Schools	Building Name	Stewartville High School/Middle School	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting <i>Erin Heiting</i>	Date	10/20/2022	Time	8:30 AM
Shipped By	MVTL Pickup	Date		Turnaround Time	Normal
Received By		Date		Sample Condition	Good

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
	102022SHS-01	Hallway by Concessions/Gym - Right BF	X			10/20/2022	250 ml unpreserved	Lead	001
	102022SHS-02	Hallway by Concessions/Gym - Right WC	X			10/20/2022	250 ml unpreserved	Lead	02
	102022SHS-03	Hallway by Concessions/Gym - Left WC	X			10/20/2022	250 ml unpreserved	Lead	03
	102022SHS-04	Concessions - S	X			10/20/2022	250 ml unpreserved	Lead	04
	102022SHS-05	Room 510 Girl's Locker Room - WC	X			10/20/2022	250 ml unpreserved	Lead	05
	102022SHS-06	Room 506 Boy's Locker Room - WC	X			10/20/2022	250 ml unpreserved	Lead	06
	102022SHS-07	HS Entry by Ticket Booth - Left WC	X			10/20/2022	250 ml unpreserved	Lead	07
	102022SHS-08	HS Entry by Ticket Booth - Right WC	X			10/20/2022	250 ml unpreserved	Lead	08
	102022SHS-09	Rooms 247 Sped Kitchen - S	X			10/20/2022	250 ml unpreserved	Lead	09
	102022SHS-10	Hallway by Room 252 - WC	X			10/20/2022	250 ml unpreserved	Lead	10
	102022SHS-11	Hallway by Room 262 - WC	X			10/20/2022	250 ml unpreserved	Lead	11
	102022SHS-12	Hallway by Room 231 - WC	X			10/20/2022	250 ml unpreserved	Lead	12
	102022SHS-13	Hallway by Room 306 - BF	X			10/20/2022	250 ml unpreserved	Lead	13
	102022SHS-14	Hallway by Room 306 - WC	X			10/20/2022	250 ml unpreserved	Lead	14
	102022SHS-15	Room 314 Boy's Locker Room - WC	X			10/20/2022	250 ml unpreserved	Lead	15
	102022SHS-16	Cafeteria - BF	X			10/20/2022	250 ml unpreserved	Lead	16
	102022SHS-17	Cafeteria - WC	X			10/20/2022	250 ml unpreserved	Lead	17

Original - Analytical Lab
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*AMB Dick Nohle 21 Oct 22 12:45 19.8
AMB DR 21 Oct 22 12:45 19.8 JM771*

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Report Date: Tuesday, November 15, 2022 4:49:31 PM



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1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
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 www.MVTL.com



Workorder: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

2 of 3

Chain of Custody

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

Client Name	Stewartville Public Schools	Building Name	Stewartville High School/Middle School	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting <i>Erin Heiting</i>	Date	10/20/2022	Time	8:30 AM
Shipped By	MVTL Pickup	Date		Turnaround Time	Normal
Received By		Date		Sample Condition	Good

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
	102022SHS-18	Kitchen - Veggie Sink	X			10/20/2022	250 ml unpreserved	Lead	<i>18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34</i>
	102022SHS-19	Kitchen - Veggie Sprayer	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-20	Kitchen - West Island Prep Sink	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-21	Kitchen - Braiser Faucet	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-22	Room 404 FACS - Sink 1	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-23	Room 404 FACS - Sink 2	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-24	Room 404 FACS - Sink 3	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-25	Room 404 FACS - Sink 4	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-26	Room 404 FACS - Sink 5	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-27	Room 404 FACS - Sink 6	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-28	Hallway by Weight Room - BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-29	Hallway by Weight Room - WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-30	Hallway by Room 160 and Restrooms - Right BF	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-31	Hallway by Room 160 and Restrooms - Right WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-32	Hallway by Room 160 and Restrooms - Left WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-33	Hallway by Room 152 - WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-34	Room 126 Staff Lounge - S	X			10/20/2022	250 ml unpreserved	Lead	

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AMB Dick Rohde 21 Oct 22 1245 19.8 um 771

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Workorder: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)

3 of 3

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9555

Client Name	Stewartville Public Schools	Building Name	Stewartville High School/Middle School	Analytical Lab	MVTL
Contact Name	Spencer West	Project #	202210553	Project Name	2022 Lead in Water Sampling
Phone #	763-315-7900	IEA Fax #	763-315-7920	Written Sample Results To	spencer.west@ieasafety.com

Other Information					
Sampled By	Erin Heiting <i>Erin Heiting</i>	Date	10/20/2022	Time	8:30 AM
Shipped By	MVTL Pickup	Date		Time	
Received By		Date		Time	
Analyzed By (Company)		Turnaround Time	Normal	Notes	
Sample Condition	Good	Temperature			

Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations
			Water	Soil	Other				
	102022SHS-35	Room 143 - S	X			10/20/2022	250 ml unpreserved	Lead	<i>35 36 37 38 39 40 41 42 43 44</i>
	102022SHS-36	Room 143 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-37	Room 140 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-38	Room 139 - DF	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-39	Room 124 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-40	Room 149 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-41	Room 157 - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-42	Room 447 Nurse - S	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-43	Hallway by Room 422 - WC	X			10/20/2022	250 ml unpreserved	Lead	
	102022SHS-44	Hallway by Room 425 - WC	X			10/20/2022	250 ml unpreserved	Lead	

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AMB Dub Rohde 21 Oct 22 1245 19.8 TW 771

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Workorder: Stewartville High/Middle (4644)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 21 Oct 22 Time: 12:45 AM PM By: Dawn R

Account Name: IEA / Stewartville Account # -

Bill of Lading #: - Cooler #: -

Temp: 19.8 °C Ambient Tracking #: -

TM#: 771 BWA Ice Crystals Present in Sample Other: -

MVTL Courier: Desk

MVTL Route: Jankhusst Walk-In UPS Air FedEx Air SpeedDee
Mail UPS Ground Fed Ex 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
<u>49</u>	(100) (120) (125) <u>(250)</u> (290) (500) (1000) Other	(G) <u>(P)</u> (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ <u>NONE</u> HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 <u>(N/A)</u> 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) <u>(125)</u> (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	**!!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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