

October 19, 2023



Tim Helppi  
Director of Buildings and Grounds  
Buffalo-Hanover-Montrose Schools  
214 – 1st Avenue NE  
Buffalo, MN 55313

**RE: Montrose Elementary and Montrose Education Center  
Lead-in-Water First Draw – Initial Testing  
IEA Project #202310800**

Dear Mr. Helppi:

At the request of Buffalo-Hanover-Montrose Schools, IEA collected sixty-nine (69) water samples from identified potable water sources on September 28, 2023, for lead analyses from the following buildings:

- Montrose Elementary (54 samples)
- Montrose Education Center (15 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](http://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 5<sup>th</sup> 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 sixty-nine (69) 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 78.9 ppb. There is one (1) sample result greater than the designated 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 – September 28, 2023**

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
092823MES-37	Montrose Elementary School	Room 208	SNK	78.9

ppb – parts per billion

## RECOMMENDATIONS

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

- It should be noted that elevated levels can return quickly following flushing depending upon the age and condition of the plumbing. The plumbing components should be replaced to ensure any repair or replacement is done using only “lead-free” solder can address high lead levels.
- Existing wires in the building that could be grounded to lead piping should be checked, since the electrical current produced may accelerate the corrosion of the pipes. The wires could also be checked to find an alternative grounding system.

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

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

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

## GENERAL CONDITIONS

The analysis and opinions expressed in this report are based upon data obtained from Buffalo-Hanover-Montrose 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 #11463 dated July 12, 2023, regarding lead-in-water sampling at Montrose Elementary and Montrose Education Center, including the General Conditions attached thereto, no warranties are extended or made.

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

Sincerely,

IEA, Inc.

Reviewed by:

  
Jack Skluzacek  
EHS Account Manager

  
Margot Pablucci  
Project Coordinator

JS/khb 10192023

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:** Montrose Elementary (29713)  
**Account #:** 2190  
**Project #:** 202310800

**Client:** Institute for Environmental Assessment (IEA)  
**PO:** 202310800

Emma Squires-Sperling  
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

**Workorder Comments**

All samples were preserved with nitric acid upon receipt at the laboratory.

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

Report Date: Thursday, October 12, 2023 4:29:34 PM

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 www.MVTL.com

**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29713001      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-1      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Kitchen-SPR

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.22	ug/L	15	EPA 200.8	10/12/2023 11:40	

**Lab ID:** 29713002      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-2      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Kitchen-STK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.83	ug/L	15	EPA 200.8	10/10/2023 14:55	

**Lab ID:** 29713003      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-3      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Kitchen-KS

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.56	ug/L	15	EPA 200.8	10/10/2023 14:56	

**Lab ID:** 29713004      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-5      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 111-KS

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.13	ug/L	15	EPA 200.8	10/12/2023 11:42	

**Lab ID:** 29713005      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-6      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Staff Lounge-HWD

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:57	

**Lab ID:** 29713006      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-7      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Staff Lounge-CWD

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 14:58	

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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29713007      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-8      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Staff Lounge-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.01	ug/L	15	EPA 200.8	10/10/2023 14:59	

**Lab ID:** 29713008      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-9      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Hallway Near 402-WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 15:00	

**Lab ID:** 29713009      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-10      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Hallway Near 402-WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 15:08	

**Lab ID:** 29713010      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-11      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 301-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.43	ug/L	15	EPA 200.8	10/10/2023 15:09	

**Lab ID:** 29713011      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-12      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 303-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	14.0	ug/L	15	EPA 200.8	10/10/2023 15:10	

**Lab ID:** 29713012      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-13      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 303-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	16.3	ug/L	15	EPA 200.8	10/10/2023 15:11	

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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

<b>Lab ID:</b>	29713013	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-14	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 304-SNK						
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>	
Lead	7.84	ug/L	15	EPA 200.8	10/10/2023 15:13		
<b>Lab ID:</b>	29713014	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-15	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 304-DF						
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>	
Lead	1.96	ug/L	15	EPA 200.8	10/10/2023 17:40		
<b>Lab ID:</b>	29713015	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-16	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 306-SNK						
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>	
Lead	13.4	ug/L	15	EPA 200.8	10/10/2023 17:41		
<b>Lab ID:</b>	29713016	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-17	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 306-DF						
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>	
Lead	3.18	ug/L	15	EPA 200.8	10/10/2023 17:42		
<b>Lab ID:</b>	29713017	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-18	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 307-SNK						
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>	
Lead	18.1	ug/L	15	EPA 200.8	10/10/2023 17:43		
<b>Lab ID:</b>	29713018	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-19	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 307-DF						
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>	
Lead	4.18	ug/L	15	EPA 200.8	10/10/2023 17:44		

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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

<b>Lab ID:</b>	29713019	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-20	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 506-SNK						
<b>Parameter</b>		<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>
Lead		6.12	ug/L	15	EPA 200.8	10/10/2023 17:53	
<b>Lab ID:</b>	29713020	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-21	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 506-DF						
<b>Parameter</b>		<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>
Lead		3.54	ug/L	15	EPA 200.8	10/10/2023 17:54	
<b>Lab ID:</b>	29713021	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-22	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 505-SNK						
<b>Parameter</b>		<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>
Lead		5.70	ug/L	15	EPA 200.8	10/10/2023 17:55	
<b>Lab ID:</b>	29713022	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-23	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 505-DF						
<b>Parameter</b>		<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>
Lead		2.89	ug/L	15	EPA 200.8	10/10/2023 17:56	
<b>Lab ID:</b>	29713023	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-24	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 504-SNK						
<b>Parameter</b>		<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>
Lead		4.54	ug/L	15	EPA 200.8	10/10/2023 17:57	
<b>Lab ID:</b>	29713024	<b>Date Collected:</b>	09/28/2023 06:00	<b>Matrix:</b>	Potable Water		
<b>Sample ID:</b>	092823MES-25	<b>Date Received:</b>	09/29/2023 14:27				
<b>Temp @ Receipt (C):</b>							
<b>Sample Desc:</b>	Room 504-DF						
<b>Parameter</b>		<b>Results</b>	<b>Units</b>	<b>MCL</b>	<b>Method</b>	<b>Analyzed</b>	<b>Qual</b>
Lead		1.45	ug/L	15	EPA 200.8	10/10/2023 17:58	

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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29713025      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-26      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Hallway Near 504-WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 17:59	

**Lab ID:** 29713026      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-27      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Hallway Near 504-WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 18:00	

**Lab ID:** 29713027      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-28      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 503-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>3.96</b>	ug/L	15	EPA 200.8	10/10/2023 18:01	

**Lab ID:** 29713028      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-29      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 502-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>7.45</b>	ug/L	15	EPA 200.8	10/10/2023 18:02	

**Lab ID:** 29713029      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-30      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 502-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>2.87</b>	ug/L	15	EPA 200.8	10/10/2023 18:11	

**Lab ID:** 29713030      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-31      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 501-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>14.4</b>	ug/L	15	EPA 200.8	10/10/2023 18:12	

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Report Date: [Thursday, October 12, 2023 4:29:34 PM](#)

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 1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885  
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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29713031      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-32      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 501-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.51	ug/L	15	EPA 200.8	10/10/2023 18:13	

**Lab ID:** 29713032      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-33      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 210-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	16.6	ug/L	15	EPA 200.8	10/10/2023 18:14	

**Lab ID:** 29713033      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-34      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 210-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.29	ug/L	15	EPA 200.8	10/10/2023 18:15	

**Lab ID:** 29713034      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-35      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 211-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	15.4	ug/L	15	EPA 200.8	10/10/2023 18:16	

**Lab ID:** 29713035      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-36      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 211-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.90	ug/L	15	EPA 200.8	10/10/2023 18:17	

**Lab ID:** 29713036      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-37      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 208-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	78.9	ug/L	15	EPA 200.8	10/10/2023 18:18	

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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29713037      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-38      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 208-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.41	ug/L	15	EPA 200.8	10/10/2023 18:19	

**Lab ID:** 29713038      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-39      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Common Area Between 400's and 200's-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.69	ug/L	15	EPA 200.8	10/10/2023 18:20	

**Lab ID:** 29713039      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-40      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 114-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.91	ug/L	15	EPA 200.8	10/10/2023 18:28	

**Lab ID:** 29713040      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-41      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 114-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.42	ug/L	15	EPA 200.8	10/10/2023 18:29	

**Lab ID:** 29713041      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-42      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Hallway Near 116-WC Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 18:30	

**Lab ID:** 29713042      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-43      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Hallway Near 116-WC Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 18:31	

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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29713043      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-44      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 117-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.67	ug/L	15	EPA 200.8	10/10/2023 18:33	

**Lab ID:** 29713044      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-45      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 118-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.13	ug/L	15	EPA 200.8	10/10/2023 18:34	

**Lab ID:** 29713045      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-46      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 118-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.57	ug/L	15	EPA 200.8	10/10/2023 18:35	

**Lab ID:** 29713046      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-47      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 119-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.07	ug/L	15	EPA 200.8	10/10/2023 18:36	

**Lab ID:** 29713047      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-48      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 119-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 18:37	

**Lab ID:** 29713048      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-49      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 120-DF Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 18:38	

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**Workorder:** Montrose Elementary (29713)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29713049      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-50      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 120-DF Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/10/2023 18:46	

**Lab ID:** 29713050      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-51      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 503-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.49	ug/L	15	EPA 200.8	10/10/2023 18:47	

**Lab ID:** 29713051      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-52      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 207-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	11.6	ug/L	15	EPA 200.8	10/10/2023 18:48	

**Lab ID:** 29713052      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-53      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 207-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.88	ug/L	15	EPA 200.8	10/10/2023 18:49	

**Lab ID:** 29713053      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-54      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 115-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.26	ug/L	15	EPA 200.8	10/10/2023 18:50	

**Lab ID:** 29713054      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MES-55      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Room 115-DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.88	ug/L	15	EPA 200.8	10/10/2023 18:51	

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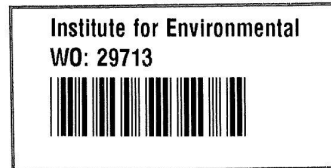
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**Workorder:** Montrose Elementary (29713)

**Client:** Institute for Environmental Assessment (IEA)



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Workorder: Montrose Elementary (29713)

Client: Institute for Environmental Assessment (IEA)

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763-315-7900 1.800.233.9513

29713

Table with columns: Client Name, Contact Name, Project #, Project Name, Date, Time, Analyzed By, Analyst, Date & Time, Sample Location, Sample Type, Date Sampled, Volume/Bottle Type, Analysis Required, Comments & Observations. Includes handwritten notes and red numbers.

14 27
20.5
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870

AS
29 Sept 23

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Workorder: Montrose Elementary (29713)

Client: Institute for Environmental Assessment (IEA)

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29713

## Chain of Custody

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Brooklyn Park, MN 55440  
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Client Name		Buffalo-Hanover-Montrose Schools		Building Name		Montrose Elementary		Analytical Lab		MVTL													
Contact Name		Emma Squires-Sperling Jack Skluzacek		Project #		202310800		Project Name		2023 Lead In Water Testing													
Phone #				IEA Fax #		763-315-7927		Written Sample Results To		lab@mvtl.com													
Other Information																							
Sampled By			David McNeill			Date		9/28/2023		Time		6:00 A.M.		Analyzed By (Company)				Analyst				Date & Time	
Shipped By			Kimberly Becker			Date		9/29/2023		Time				Turnaround Time				Notes				Temperature	
Received By						Date				Time				Sample Condition									
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations														
			Water	Soil	Other																		
39	092823MES - 30	Room 502 - DF	X				250mL unpreserved	Lead															
40	092823MES - 31	Room 501 - SNK	X				250mL unpreserved	Lead															
31	092823MES - 32	Room 501 - DF	X				250mL unpreserved	Lead															
32	092823MES - 33	Room 210 - SNK	X				250mL unpreserved	Lead															
33	092823MES - 34	Room 210 - DF	X				250mL unpreserved	Lead															
34	092823MES - 35	Room 211 - SNK	X				250mL unpreserved	Lead															
35	092823MES - 36	Room 211 - DF	X				250mL unpreserved	Lead															
36	092823MES - 37	Room 208 - SNK	X				250mL unpreserved	Lead															
37	092823MES - 38	Room 208 - DF	X				250mL unpreserved	Lead															
38	092823MES - 39	Common Area Between 400's and 200's - SNK	X				250mL unpreserved	Lead															
39	092823MES - 40	Room 114 - SNK	X				250mL unpreserved	Lead															
40	092823MES - 41	Room 114 - DF	X				250mL unpreserved	Lead															
41	092823MES - 42	Hallway Near 116 - WC Left	X				250mL unpreserved	Lead															
42	092823MES - 43	Hallway Near 116 - WC Right	X				250mL unpreserved	Lead															
43	092823MES - 44	Room 117 - SNK	X				250mL unpreserved	Lead															
44	092823MES - 45	Room 118 - SNK	X				250mL unpreserved	Lead															
45	092823MES - 46	Room 118 - DF	X				250mL unpreserved	Lead															
46	092823MES - 47	Room 119 - SNK	X				250mL unpreserved	Lead															
47	092823MES - 48	Room 119 - DF	X				250mL unpreserved	Lead															
48	092823MES - 49	Room 120 - DF Left	X				250mL unpreserved	Lead															
49	092823MES - 50	Room 120 - DF Right	X				250mL unpreserved	Lead															
50	092823MES - 51	Room 503 - SNK	X				250mL unpreserved	Lead															
51	092823MES - 52	Room 207 - SNK	X				250mL unpreserved	Lead															
52	092823MES - 53	Room 207 - DF	X				250mL unpreserved	Lead															
53	092823MES - 54	Room 115 - SNK	X				250mL unpreserved	Lead															
54	092823MES - 55	Room 115 - DF	X				250mL unpreserved	Lead															

Original - Analytical Lab  
Copy - Client File  
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Workorder: Montrose Elementary (29713)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 29 Sep 23 Time: 14:27 AM/PM By: Dawn R
Account Name: IEA/MES Account #
Bill of Lading #: - Cooler #: -
Temp: 20.5 °C ROI Ambient Tracking #: -
TM#: 8:40 Ice Crystals Present in Sample
MVTL Courier: PR Other:
MVTL Route: Northwestern Walk-In UPS Air FedEx Air Speedee
Mail UPS Ground Fed Ex Ground
Containers Supplied by MVTL: Yes 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 types and 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:** Montrose Education Center (29714)  
**Account #:** 2190  
**Project #:** 202310800

**Client:** Institute for Environmental Assessment (IEA)  
**PO:** 202310800

Emma Squires-Sperling  
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

#### Workorder Comments

All samples were preserved with nitric acid upon receipt at the laboratory.

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Report Date: Thursday, October 12, 2023 4:29:34 PM

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**Workorder:** Montrose Education Center (29714)

**Client:** Institute for Environmental Assessment (IEA)

**Analytical Results**

**Lab ID:** 29714001      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-1      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Kitchen-KS

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.74	ug/L	15	EPA 200.8	10/10/2023 15:14	

**Lab ID:** 29714002      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-2      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Common Area-WC Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.83	ug/L	15	EPA 200.8	10/10/2023 15:15	

**Lab ID:** 29714003      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-3      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Common Area-WC Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.68	ug/L	15	EPA 200.8	10/10/2023 15:16	

**Lab ID:** 29714004      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-4      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Infants Room-SNK North

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.15	ug/L	15	EPA 200.8	10/10/2023 15:17	

**Lab ID:** 29714005      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-5      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Infants Room Near Future Changing-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.81	ug/L	15	EPA 200.8	10/10/2023 15:18	

**Lab ID:** 29714006      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-6      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Future Changing Room-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.92	ug/L	15	EPA 200.8	10/12/2023 11:44	

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**Workorder:** Montrose Education Center (29714)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

**Lab ID:** 29714007      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-7      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Toddlers Room-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>0.92</b>	ug/L	15	EPA 200.8	10/10/2023 15:26	

**Lab ID:** 29714008      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-8      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Toddlers Restroom-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>0.98</b>	ug/L	15	EPA 200.8	10/10/2023 15:27	

**Lab ID:** 29714009      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-9      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Preschool Room-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>0.96</b>	ug/L	15	EPA 200.8	10/10/2023 15:28	

**Lab ID:** 29714010      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-10      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Preschool Restroom-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>0.93</b>	ug/L	15	EPA 200.8	10/10/2023 15:29	

**Lab ID:** 29714011      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-11      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Head Start Room-SNK Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>6.65</b>	ug/L	15	EPA 200.8	10/10/2023 15:30	

**Lab ID:** 29714012      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-12      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Head Start Room-SNK Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<b>5.87</b>	ug/L	15	EPA 200.8	10/10/2023 15:31	

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**Workorder:** Montrose Education Center (29714)

**Client:** Institute for Environmental Assessment (IEA)

**Analytical Results**

**Lab ID:** 29714013      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-13      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Staff Lounge-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.49	ug/L	15	EPA 200.8	10/10/2023 15:33	

**Lab ID:** 29714014      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-14      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Community ED-Left SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.41	ug/L	15	EPA 200.8	10/10/2023 15:34	

**Lab ID:** 29714015      **Date Collected:** 09/28/2023 06:00      **Matrix:** Potable Water  
**Sample ID:** 092823MEC-15      **Date Received:** 09/29/2023 14:27  
**Temp @ Receipt (C):**  
**Sample Desc:** Community ED-Right SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.97	ug/L	15	EPA 200.8	10/10/2023 15:35	

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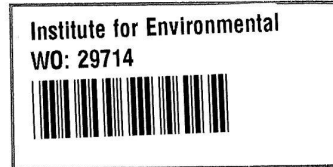
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**Workorder:** Montrose Education Center (29714)

**Client:** Institute for Environmental Assessment (IEA)



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Workorder: Montrose Education Center (29714)

Client: Institute for Environmental Assessment (IEA)

1 of 1

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.5111 IEA

Form containing client information, sample details, and a table with columns for Lab Number, Sample Number, Sample Location, Sample Type, Date Sampled, Volume/Bottle Type, Analysis Required, and Comments & Observations.

KS 29 Sept 23 14:27
20.5 C TM 870 Amb

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

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**Workorder:** Montrose Education Center (29714)

**Client:** Institute for Environmental Assessment (IEA)



## Sample Condition Checklist

Date: 29 Sept 23 Time: 14:27  AM  PM

Account Name: IEA Buffalo-Hanover-Montrose Schools - MEC By: KS

Bill of Lading #: \_\_\_\_\_ Account #: \_\_\_\_\_

Temp: 20.5 °C ROI  Ambient  Cooler #: \_\_\_\_\_

TM#: 870 Ice Crystals Present in Sample  Tracking #: \_\_\_\_\_

MVTL Courier: JL Other: \_\_\_\_\_

MVTL Route: Northwestern Walk-In  UPS Air  FedEx Air  SpeedDee   
Mail  UPS Ground  FedEx Ground

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

Comments:

Number	Containers Size (mL)	Container Type	Preservation							pH				
			NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	Add
<u>15</u>	(100) (120) (125) ( <u>250</u> ) (290) (500) (1000) Other	(G) ( <u>PT</u> ) (AG) (AP)	NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	<u>N/A</u> Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	N/A Add
	(100) (120) (125) ( <u>250</u> ) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	N/A Add
	(100) (120) (125) (250) (290) (500) ( <u>1000</u> ) Other	(G) (P) (AG) (AP)	NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO <sub>4</sub>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	NONE	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	HCl	SUB*	<2	>9	>12	N/A Add
Low Level Mercury Kit														
	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 <sub>3</sub> PO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	None					n/a			
	Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H <sub>3</sub> PO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	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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