

January 2, 2025

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



**RE: Buffalo Community Middle School and Buffalo High School
Lead-in-Water First Draw – Initial Testing
IEA Project #202410922**

Dear Tim Helppi:

At the request of Buffalo-Hanover-Montrose Schools, the Institute for Environmental Assessment, Inc. (IEA) collected 105 water samples from identified potable water sources on October 10, 2024, for lead analyses from the following buildings:

- Buffalo Community Middle School
- Buffalo High School

The purpose of the sampling is to document lead content in the sampled locations to assist the District in complying with Minnesota Statute 121A.225.

INTRODUCTION

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.

Minnesota Statute 121A.335 requires public school buildings serving prekindergarten 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. Statute 121A.335 requires remediation of water fixtures with levels of 5 parts per billion (ppb) or higher.

METHODOLOGY

IEA collected 105 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. The Minnesota Department of Health (MDH) recommends that fixtures are not used, eight to 18 hours prior to sampling fixtures.

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

The MDH strongly recommends fixtures not included in the water sampling be labeled for their intended use. This could include bathroom taps, hose bibbs, laboratory faucets/sinks, or custodial closet sinks. IEA did not sample any fixtures that were labeled as non-potable.

Water samples were analyzed by Minnesota Valley Testing Laboratories (MVTL) in New Ulm, Minnesota, which uses EPA-approved analytical methods and quality control/assurance procedures. Samples were analyzed using the ICP/MS EPA Method 200.8.

RESULTS & DISCUSSION

The water analyses results are listed below in Table 1. Nineteen (19) sampled locations had lead content above the Minnesota Statute 121A.335 action level of five ppb. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb). Building diagrams with water fixture locations are located in Appendix B.

Table 1: Water Testing Results Exceeding 5 ppb – October 10, 2024

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)
10102024BCMS-01	Buffalo Community Middle School	Room 338-SNK	Sink	9.08
10102024BCMS-06	Buffalo Community Middle School	Kitchen-Brazing Pan (BP)	Brazing Pan	14.3
10102024BCMS-28	Buffalo Community Middle School	Health Office 111/112-SNK	Sink	11.2
10102024BCMS-34	Buffalo Community Middle School	Room 21-SNK	Sink	27.5
10102024BHS-01	Buffalo High School	Kitchen Southwest SNK	Sink	29.4
10102024BHS-19	Buffalo High School	Room H111/H102 SNK	Sink	7.53
10102024BHS-22	Buffalo High School	Staff Lounge F100 SNK	Sink	7.37
10102024BHS-24	Buffalo High School	Room B101 SNK	Sink	6.63
10102024BHS-25	Buffalo High School	Health Office SNK	Sink	5.95
10102024BHS-26	Buffalo High School	Workroom B135 SNK	Sink	6.45
10102024BHS-27	Buffalo High School	Workroom B124 SNK	Sink	10.3
10102024BHS-29	Buffalo High School	Room B102 SNK	Sink	7.18
10102024BHS-30	Buffalo High School	Room B103 SNK	Sink	6.65
10102024BHS-31	Buffalo High School	Room B104 SNK	Sink	13.5
10102024BHS-44	Buffalo High School	Room B212 SNK	Sink	14.6
10102024BHS-48	Buffalo High School	Room C214 SNK 1	Sink	5.89
10102024BHS-49	Buffalo High School	Room C214 SNK 2	Sink	5.08
10102024BHS-63	Buffalo High School	Makeup E125 North SNK	Sink	6.26
10102024BHS-64	Buffalo High School	Makeup E125 South SNK	Sink	13

ppb – parts per billion

CONCLUSIONS

Of the 105 fixtures sampled, 19 fixtures had lead levels above the Minnesota Statute 121A.335 action level of five ppb.

RECOMMENDATIONS

IEA recommends removing the fixtures with elevated lead content from service immediately. This can be completed by disconnecting the fixture from the water supply and/or posting signage noting the water is not potable. If additional water in the area is needed, bottled water meeting Food and Drug Administration (FDA) and State standards or another water source can be provided.

IEA recommends determining a remediation plan for the fixtures exceeding the indicated action level. IEA recommends selecting one of the following remediation options:

- 1) Determine if the fixture can be permanently changed to a non-potable fixture and label it accordingly (*In this case, notification to parents, guardians, and staff within 30 days is required.*)
- 2) Disconnect the fixture from use permanently
- 3) Remove, inspect, clean and/or replace aerators and retest to confirm a lower lead content
- 4) Complete follow-up flush sampling and retesting to help determine the location of the lead content (*These sample results will help determine if the lead source is in the fixture or interior plumbing to determine if replacing the fixture is an effective remediation option.*)

If remediation of fixtures and verification of test results less than the MDH action level are not completed within 30 days, parents, guardians and staff must be notified.

The District is required to ensure the lead-in-water management plan is available on the district's website. In addition, annual notification of the lead-in-water management plan is included in the student handbook or another method used to communicate policy information. Lead-in-water testing records must be available upon request.

Test results and remediation documentation is required to be reported annually to the MDH by July 1st. Lead results and remediation documentation is required to be maintained by the District for 15 years.

Lead-in-water testing is required every five years in Minnesota schools.

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 #12378 dated August 29, 2024, regarding lead-in-water sampling at Buffalo High School and Buffalo Community Middle School, including the General Conditions attached thereto, no warranties are extended or made.

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

Sincerely,

IEA, Inc.


Jack Skluzacek
EHS Account Manager

Reviewed by:


Mary Ferran, CSP
EHS Division 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: Buffalo Comm. Middle School (67598)
Account #: 2190
Project #: 202410992

Client: Institute for Environmental Assessment (IEA)
PO: 202410992

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.

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**Workorder:** Buffalo Comm. Middle School (67598)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 67598001 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-01 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Room 338-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	9.08	ug/L	15	EPA 200.8	10/21/2024 15:38	

Lab ID: 67598002 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-02 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Custodial Room-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 15:40	

Lab ID: 67598003 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-03 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen-Northwest SPR

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.36	ug/L	15	EPA 200.8	10/23/2024 12:48	

Lab ID: 67598004 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-04 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen-Southwest SPR

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 15:41	

Lab ID: 67598005 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-05 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen-Southwest SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.78	ug/L	15	EPA 200.8	10/21/2024 15:42	

Lab ID: 67598006 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-06 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen-Brazing Pan (BP)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	14.3	ug/L	15	EPA 200.8	10/21/2024 15:44	

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**Workorder:** Buffalo Comm. Middle School (67598)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	67598007	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-07	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-East STK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.98	ug/L	15	EPA 200.8	10/21/2024 15:45	
Lab ID:	67598008	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-08	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Northeast SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 15:46	
Lab ID:	67598009	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-09	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 425-DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 15:47	
Lab ID:	67598010	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-10	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside Room 425-WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.01	ug/L	15	EPA 200.8	10/21/2024 15:49	
Lab ID:	67598011	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-11	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside Room 425-WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.02	ug/L	15	EPA 200.8	10/21/2024 15:50	
Lab ID:	67598012	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-13	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Across Room 507-WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:00	

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**Workorder:** Buffalo Comm. Middle School (67598)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 67598013 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-14 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathrooms 906/907-North WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:01	

Lab ID: 67598014 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-15 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathroom 906/907-South WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:02	

Lab ID: 67598015 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-16 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathrooms 906/907-WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:04	

Lab ID: 67598016 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-17 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathrooms Across Room 629-North WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:05	

Lab ID: 67598017 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-18 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathrooms Across Room 629-South WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:06	

Lab ID: 67598018 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-19 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathrooms Across Room 629-WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:08	

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**Workorder:** Buffalo Comm. Middle School (67598)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	67598019	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-20	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 717-North SNK					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/21/2024 16:09

Lab ID:	67598020	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-21	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 717-South SNK					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/21/2024 16:10

Lab ID:	67598021	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-22	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 718-North SNK					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/21/2024 16:11

Lab ID:	67598022	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-23	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 718-South SNK					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/21/2024 16:27

Lab ID:	67598023	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-24	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Across Room 701-SNK					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		2.97	ug/L	15	EPA 200.8	10/21/2024 16:28

Lab ID:	67598024	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-25	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Bathroom Across Room 110-North WC					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/21/2024 16:29

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**Workorder:** Buffalo Comm. Middle School (67598)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 67598025 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-26 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathrooms Across Room 110-South WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:30	

Lab ID: 67598026 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-27 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Bathrooms Across Room 110-WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:32	

Lab ID: 67598027 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-28 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Health Office 111/112-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	11.2	ug/L	15	EPA 200.8	10/21/2024 16:33	

Lab ID: 67598028 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-29 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Staff Lounge 115A-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:34	

Lab ID: 67598029 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-30 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Staff Lounge 115A-Water Dispenser

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:35	

Lab ID: 67598030 **Date Collected:** 10/10/2024 06:00 **Matrix:** Potable Water
Sample ID: 10102024BCMS-31 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Outside Room 49-WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.88	ug/L	15	EPA 200.8	10/21/2024 16:37	

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**Workorder:** Buffalo Comm. Middle School (67598)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	67598031	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-32	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Across Gym 334-WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:38	
Lab ID:	67598032	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-33	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Across Gym 334-WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:48	
Lab ID:	67598033	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-34	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 21-SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	27.5	ug/L	15	EPA 200.8	10/21/2024 16:49	
Lab ID:	67598034	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-35	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 21-Ice Maker					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:51	
Lab ID:	67598035	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-36	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room 310B-SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.60	ug/L	15	EPA 200.8	10/21/2024 16:52	
Lab ID:	67598036	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-37	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Cafeteria-WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/21/2024 16:53	

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

**Workorder:** Buffalo Comm. Middle School (67598)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	67598037	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-38	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Cafeteria-WC					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/21/2024 16:54

Lab ID:	67598038	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-39	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	FACS SNK-1					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		0.76	ug/L	15	EPA 200.8	10/21/2024 16:56

Lab ID:	67598039	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-40	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	FACS SNK-2					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		0.76	ug/L	15	EPA 200.8	10/21/2024 16:57

Lab ID:	67598040	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-41	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	FACS SNK-3					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		0.86	ug/L	15	EPA 200.8	10/21/2024 16:58

Lab ID:	67598041	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-42	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	FACS SNK-4					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		0.64	ug/L	15	EPA 200.8	10/21/2024 16:59

Lab ID:	67598042	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-43	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	FACS SNK-5					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		1.00	ug/L	15	EPA 200.8	10/21/2024 17:15

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Workorder: Buffalo Comm. Middle School (67598)

Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID:	67598043	Date Collected:	10/10/2024 06:00	Matrix:	Potable Water	
Sample ID:	10102024BCMS-44	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	FACS SNK-6					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.21	ug/L	15	EPA 200.8	10/21/2024 17:16	

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Workorder: Buffalo Comm. Middle School (67598)

Client: Institute for Environmental Assessment (IEA)

Institute for Environmental
WO: 67598



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Workorder: Buffalo Comm. Middle School (67598)

Client: Institute for Environmental Assessment (IEA)

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Workorder: Buffalo Comm. Middle School (67598)

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

Client Name		Buffalo-Hanover-Montrose Schools		Building Name		Buffalo Community Middle School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Jack Skluzacek		Project #		202410992		Project Name		2024 LIW Testing	
Phone #				IEA Fax #		763-315-7927		Written Sample Results To		Lab@mvtestlv.com	
Other Information											
Sampled By		Allison Squires		Date		10/10/2024		Time		6:00 AM	
Shipped By		Lisa Osterhout		Date		10/11/2024		Time		10:00 AM	
Received By				Date				Sample Condition		Temperature	
Turnaround Time											
Notes											
Date & Time											
Sample Type											
Date Sampled											
Volume/ Bottle Type											
Analysis Required											
Comments & Observations											
Lab Number	Sample Number	Sample Location		Water		Soil		Other			
	10102024BCMS-01	Room 338 - SNK		X						10/10/2024	
	10102024BCMS-02	Custodial Room - SNK		X						250mL unpreserved	
	10102024BCMS-03	Kitchen - Northwest SPR		X						Lead	
	10102024BCMS-04	Kitchen - Southwest SPR		X						250mL unpreserved	
	10102024BCMS-05	Kitchen - Southwest SNK		X						Lead	
	10102024BCMS-06	Kitchen - Brazing Pan (BP)		X						250mL unpreserved	
	10102024BCMS-07	Kitchen - East STK		X						Lead	
	10102024BCMS-08	Kitchen - Northeast SNK		X						250mL unpreserved	
	10102024BCMS-09	Room 425 - DF		X						Lead	
	10102024BCMS-10	Outside Room 425 - WC		X						250mL unpreserved	
	10102024BCMS-11	Outside Room 425 - WBF		X						Lead	
	10102024BCMS-13	Across Room 507 - WBF		X						250mL unpreserved	
	10102024BCMS-14	Bathrooms 906/907 - North WC		X						Lead	
	10102024BCMS-15	Bathrooms 906/907 - South WC		X						250mL unpreserved	
	10102024BCMS-16	Bathrooms 906/907 - WBF		X						Lead	
	10102024BCMS-17	Bathrooms Across Room 629 - North WC		X						250mL unpreserved	
	10102024BCMS-18	Bathrooms Across Room 629 - South WC		X						Lead	
	10102024BCMS-19	Bathrooms Across Room 629 - WBF		X						250mL unpreserved	
	10102024BCMS-20	Room 717 - North SNK		X						Lead	
	10102024BCMS-21	Room 717 - South SNK		X						250mL unpreserved	
	10102024BCMS-22	Room 718 - North SNK		X						Lead	
	10102024BCMS-23	Room 718 - South SNK		X						250mL unpreserved	
	10102024BCMS-24	Across Room 701 - SNK		X						Lead	
	10102024BCMS-25	Bathrooms Across Room 110 - North WC		X						250mL unpreserved	
	10102024BCMS-26	Bathrooms Across Room 110 - South WC		X						Lead	
	10102024BCMS-27	Bathrooms Across Room 110 - WBF		X						250mL unpreserved	
	10102024BCMS-28	Health Office 111/112 - SNK		X						Lead	
	10102024BCMS-29	Staff Lounge 115A - SNK		X						250mL unpreserved	
	10102024BCMS-30	Staff Lounge 115A - Water Dispenser		X						Lead	

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

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Workorder: Buffalo Comm. Middle School (67598)

Client: Institute for Environmental Assessment (IEA)

SP 11 OCT 24 1240 AMB 20.9 771
7/17/24
20.9
100224
2-68

Original - Analytical Lab
Copy - Client File
Copy - E-Label

Lab Number	Sample Number	Sample Location	Sample Type	Water	Soil	Other	Date Sampled	Bottle Type/Volume	Analysis Required	Comments & Observations
101020248CMS-31		Outside Room 49 - WC		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-32		Across Gym 334 - WC		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-33		Across Gym 334 - WBF		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-34		Room 21 - SNK		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-35		Room 21 - Ice Maker		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-36		Room 310B - SNK		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-37		Cafeteria-WBF		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-38		Cafeteria-WC		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-39		FACS SNK-1		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-40		FACS SNK-2		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-41		FACS SNK-3		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-42		FACS SNK-4		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-43		FACS SNK-5		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-44		FACS SNK-6		X			10/10/2024	250ml unpreserved	Lead	
101020248CMS-12		Across Room 507 - WC		X			10/10/2024	250ml unpreserved	Lead	

Does not exist/removed

Received By: Lisa Osterhout
Date: 10/11/2024
Time: 10:00 AM
Sample Condition: [blank]
Temperature: [blank]
Notes: [blank]

Shipped By: Allison Squires
Date: 10/10/2024
Time: 6:00 AM
Analyzed By: [blank]
Date & Time: [blank]

Other Information: [blank]

Client Name: Buffalo-Hanover-Montrose Schools
Contact Name: Jack Skuzacek
Project #: 202410992
Project Name: 2024 LIW Testing
Address: 9201 West Broadway North, Suite 200
Bismarck, ND 58505
763.315.7900
763.315.9511
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Chain of Custody

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Workorder: Buffalo Comm. Middle School (67598)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 11 Oct 24 Time: 1240 ☐ AM ☒ PM By: SP

Account Name: IEA - BCMs Account #: -

Bill of Lading #: - Cooler #: -

Temp: 20.9 °C ROI ☐ Ambient ☒ Tracking #: -

TMI#: 771 Ice Crystals Present in Sample ☐

MVTL Courier: Dan Other: -

MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ SpeedDee ☐

Mail ☐ UPS Ground ☐ FedEx Ground ☐

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

Comments:

Number	Containers Size (mL)	Container Type	Preservation	pH
43	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
-	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
-	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
-	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
-	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
-	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
-	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
-	(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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Workorder: Buffalo Comm. Middle School (67598)

Client: Institute for Environmental Assessment (IEA)

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Workorder: Buffalo High School (67591)
Account #: 2190
Project #: 202410992

Client: Institute for Environmental Assessment (IEA)
PO: 202410992

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: Tuesday, October 29, 2024 4:08:14 PM

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**Workorder:** Buffalo High School (67591)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 67591001 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-01 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen Southwest SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	29.4	ug/L	15	EPA 200.8	10/29/2024 10:26	

Lab ID: 67591002 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-02 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen STK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.11	ug/L	15	EPA 200.8	10/25/2024 15:38	

Lab ID: 67591003 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-03 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen Southeast SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.99	ug/L	15	EPA 200.8	10/25/2024 15:39	

Lab ID: 67591004 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-04 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen North SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.55	ug/L	15	EPA 200.8	10/25/2024 15:40	

Lab ID: 67591005 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-05 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen Hot Water Dispenser

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 15:41	

Lab ID: 67591006 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-06 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Gym G115 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 15:43	

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**Workorder:** Buffalo High School (67591)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	67591007	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-07	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside Gym G115 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 15:44	
Lab ID:	67591008	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-08	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside Room G103 WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.63	ug/L	15	EPA 200.8	10/25/2024 15:45	
Lab ID:	67591009	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-09	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside Room G103 WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.70	ug/L	15	EPA 200.8	10/25/2024 15:46	
Lab ID:	67591010	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-10	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	K100 Lobby West DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 15:47	
Lab ID:	67591011	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-11	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	K100 Lobby East DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 15:48	
Lab ID:	67591012	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-12	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Gyms J110 Northwest DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 15:57	

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Lab ID: 67591013 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-13 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Gyms J110 Northeast DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 15:59	

Lab ID: 67591014 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-14 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Gyms J110 Southeast DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:00	

Lab ID: 67591015 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-15 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Gyms J110 Southwest DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:01	

Lab ID: 67591016 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-16 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Gyms J110 WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:02	

Lab ID: 67591017 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-18 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Boys Varsity LR H119 DF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:03	

Lab ID: 67591018 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-19 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Room H111/H102 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.53	ug/L	15	EPA 200.8	10/25/2024 16:04	

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Lab ID:	67591019	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-20	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room H111/H102 Ice Maker					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:05	

Lab ID:	67591020	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-21	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Girls Varsity LR DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:07	

Lab ID:	67591021	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-22	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Staff Lounge F100 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.37	ug/L	15	EPA 200.8	10/25/2024 16:08	

Lab ID:	67591022	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-23	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Staff Lounge F100 Water Dispenser					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:22	

Lab ID:	67591023	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-24	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room B101 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.63	ug/L	15	EPA 200.8	10/25/2024 16:23	

Lab ID:	67591024	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-25	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Health Office SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.95	ug/L	15	EPA 200.8	10/25/2024 16:24	

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Lab ID:	67591025	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-26	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Workroom B135 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.45	ug/L	15	EPA 200.8	10/25/2024 16:25	

Lab ID:	67591026	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-27	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Workroom B124 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	10.3	ug/L	15	EPA 200.8	10/25/2024 16:26	

Lab ID:	67591027	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-28	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Workroom B124 Water Dispenser					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:27	

Lab ID:	67591028	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-29	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room B102 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.18	ug/L	15	EPA 200.8	10/25/2024 16:28	

Lab ID:	67591029	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-30	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room B103 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.65	ug/L	15	EPA 200.8	10/25/2024 16:30	

Lab ID:	67591030	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-31	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room B104 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	13.5	ug/L	15	EPA 200.8	10/25/2024 16:31	

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Lab ID:	67591031	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-32	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Across Room B104 DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.85	ug/L	15	EPA 200.8	10/25/2024 16:32	

Lab ID:	67591032	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-33	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay C03 North WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:41	

Lab ID:	67591033	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-34	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay C03 WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:42	

Lab ID:	67591034	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-35	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay C03 South DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:43	

Lab ID:	67591035	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-36	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay A03 North WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:45	

Lab ID:	67591036	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-37	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay A03 WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:46	

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Lab ID:	67591037	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-38	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay A03 South DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:47	

Lab ID:	67591038	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-39	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay A06 North WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:48	

Lab ID:	67591039	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-40	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay A06 WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:49	

Lab ID:	67591040	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-41	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay A06 South DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:50	

Lab ID:	67591041	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-42	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside Media Center DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 16:51	

Lab ID:	67591042	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-43	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Media Center WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 17:05	

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Lab ID:	67591043	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-44	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room B212 SNK					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	14.6	ug/L	15	EPA 200.8	10/25/2024 17:06	

Lab ID:	67591044	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-45	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay C07 North WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 17:07	

Lab ID:	67591045	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-46	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay C07 WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 17:09	

Lab ID:	67591046	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-47	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Locker Bay C07 South DF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 17:10	

Lab ID:	67591047	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-48	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room C214 SNK 1					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.89	ug/L	15	EPA 200.8	10/25/2024 17:11	

Lab ID:	67591048	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-49	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room C214 SNK 2					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.08	ug/L	15	EPA 200.8	10/25/2024 17:12	

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Lab ID:	67591049	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-50	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room C214 SNK 3					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		4.00	ug/L	15	EPA 200.8	10/25/2024 10:41

Lab ID:	67591050	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-51	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room C214 SNK 4					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		4.09	ug/L	15	EPA 200.8	10/25/2024 10:51

Lab ID:	67591051	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-52	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room C214 SNK 5					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		3.27	ug/L	15	EPA 200.8	10/25/2024 10:54

Lab ID:	67591052	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-53	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Room C214 SNK 6					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		4.30	ug/L	15	EPA 200.8	10/25/2024 10:56

Lab ID:	67591053	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-55	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside D105A West WC					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/25/2024 10:58

Lab ID:	67591054	Date Collected:	10/10/2024 05:30	Matrix:	Potable Water	
Sample ID:	10102024BHS-56	Date Received:	10/11/2024 12:40			
Temp @ Receipt (C):						
Sample Desc:	Outside D105A East DF					
Parameter		Results	Units	MCL	Method	Analyzed
Lead		<0.5	ug/L	15	EPA 200.8	10/25/2024 11:01

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**Workorder:** Buffalo High School (67591)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 67591055 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-57 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Outside D105A WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 11:03	

Lab ID: 67591056 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-58 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Room D107 WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 11:06	

Lab ID: 67591057 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-59 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Room D109 WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 13:30	

Lab ID: 67591058 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-60 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Outside Room D110 WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 14:21	

Lab ID: 67591059 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-61 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Outside Room D110 WBF

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 12:45	

Lab ID: 67591060 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-62 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Hallway E120 WC

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	10/25/2024 12:46	

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Lab ID: 67591061 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-63 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Makeup E125 North SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.26	ug/L	15	EPA 200.8	10/25/2024 12:48	

Lab ID: 67591062 **Date Collected:** 10/10/2024 05:30 **Matrix:** Potable Water
Sample ID: 10102024BHS-64 **Date Received:** 10/11/2024 12:40
Temp @ Receipt (C):
Sample Desc: Makeup E125 South SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	13.0	ug/L	15	EPA 200.8	10/25/2024 12:50	

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Workorder: Buffalo High School (67591)

Client: Institute for Environmental Assessment (IEA)

Institute for Environmental
WO: 67591



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Client Name		Buffalo-Hanover-Montrose Schools		Building Name		Buffalo High School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Jack Skluzacek		Project #		202410992		Project Name		2024 LIW Testing	
Phone #				IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By											
Sashya Wandmaker				Date		10/10/2024		Time		5:30 AM	
Shipped By				Date		10/11/2024		Time		9:00 AM	
Received By				Date				Time			
				Sample Condition				Notes			
				Temperature							
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
1	10102024BHS-01	Kitchen - Southwest SNK	X			10/10/2024	250mL unpreserved	Lead			
2	10102024BHS-02	Kitchen - STK	X			10/10/2024	250mL unpreserved	Lead			
3	10102024BHS-03	Kitchen - Southeast SNK	X			10/10/2024	250mL unpreserved	Lead			
4	10102024BHS-04	Kitchen - North SNK	X			10/10/2024	250mL unpreserved	Lead			
5	10102024BHS-05	Kitchen - Hot Water Dispenser	X			10/10/2024	250mL unpreserved	Lead			
6	10102024BHS-06	Gym G115 - DF	X			10/10/2024	250mL unpreserved	Lead			
7	10102024BHS-07	Outside Gym G115 - DF	X			10/10/2024	250mL unpreserved	Lead			
8	10102024BHS-08	Outside Room G103 - WC	X			10/10/2024	250mL unpreserved	Lead			
9	10102024BHS-09	Outside Room G103 - WBF	X			10/10/2024	250mL unpreserved	Lead			
10	10102024BHS-10	K100 Lobby - West DF	X			10/10/2024	250mL unpreserved	Lead			
11	10102024BHS-11	K100 Lobby - East DF	X			10/10/2024	250mL unpreserved	Lead			
12	10102024BHS-12	Gyms J110 - Northwest DF	X			10/10/2024	250mL unpreserved	Lead			
13	10102024BHS-13	Gyms J110 - Northeast DF	X			10/10/2024	250mL unpreserved	Lead			
14	10102024BHS-14	Gyms J110 - Southeast DF	X			10/10/2024	250mL unpreserved	Lead			
15	10102024BHS-15	Gyms J110 - Southwest DF	X			10/10/2024	250mL unpreserved	Lead			
16	10102024BHS-16	Gyms J110 - WBF	X			10/10/2024	250mL unpreserved	Lead			
17	10102024BHS-18	Boys Varsity LR H119 - DF	X			10/10/2024	250mL unpreserved	Lead			
18	10102024BHS-19	Room H111/H102 - SNK	X			10/10/2024	250mL unpreserved	Lead			
19	10102024BHS-20	Room H111/H102 - Ice Maker	X			10/10/2024	250mL unpreserved	Lead			
20	10102024BHS-21	Girls Varsity LR - DF	X			10/10/2024	250mL unpreserved	Lead			
21	10102024BHS-22	Staff Lounge F100 - SNK	X			10/10/2024	250mL unpreserved	Lead			
22	10102024BHS-23	Staff Lounge F100 - Water Dispenser	X			10/10/2024	250mL unpreserved	Lead			
23	10102024BHS-24	Room B101 - SNK	X			10/10/2024	250mL unpreserved	Lead			
24	10102024BHS-25	Health Office - SNK	X			10/10/2024	250mL unpreserved	Lead			
25	10102024BHS-26	Workroom B135 - SNK	X			10/10/2024	250mL unpreserved	Lead			
26	10102024BHS-27	Workroom B124 - SNK	X			10/10/2024	250mL unpreserved	Lead			
27	10102024BHS-28	Workroom B124 - Water Dispenser	X			10/10/2024	250mL unpreserved	Lead			
28	10102024BHS-29	Room B102 - SNK	X			10/10/2024	250mL unpreserved	Lead			
29	10102024BHS-30	Room B103 - SNK	X			10/10/2024	250mL unpreserved	Lead			

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SP 11 Oct 24 1240
AMB 21.1 771
11 Oct 24 1240
AMB 21.1
771

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Client Name		Buffalo-Hanover-Montrose Schools		Building Name		Buffalo High School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Jack Skluzacek		Project #		202410992		Project Name		2024 LIW Testing	
Phone #				IEA Fax #		763-315-7927		Written Sample Results To		lab@ieasafety.com	
Other Information											
Sampled By		Sashya Wandmaker		Date		10/10/2024		Time		5:30 AM	
Shipped By		Lisa Osterhout		Date		10/11/2024		Time		9:00 AM	
Received By				Date				Turnaround Time		Notes	
				Time				Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
	10102024BHS-31	Room B104 - SNK	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-32	Across Room B104 - DF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-33	Locker Bay C03 - North WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-34	Locker Bay C03 - WBF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-35	Locker Bay C03 - South DF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-36	Locker Bay A03 - North WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-37	Locker Bay A03 - WBF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-38	Locker Bay A03 - South DF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-39	Locker Bay A06 - North WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-40	Locker Bay A06 - WBF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-41	Locker Bay A06 - South DF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-42	Outside Media Center - DF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-43	Media Center - WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-44	Room B212 - SNK	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-45	Locker Bay C07 - North WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-46	Locker Bay C07 - WBF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-47	Locker Bay C07 - South DF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-48	Room C214 - SNK 1	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-49	Room C214 - SNK 2	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-50	Room C214 - SNK 3	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-51	Room C214 - SNK 4	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-52	Room C214 - SNK 5	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-53	Room C214 - SNK 6	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-55	Outside D105A - West WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-56	Outside D105A - East DF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-57	Outside D105A - WBF	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-58	Room D107 - WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-59	Room D109 - WC	X			10/10/2024	250mL unpreserved	Lead			
	10102024BHS-60	Outside Room D110 - WC	X			10/10/2024	250mL unpreserved	Lead			

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Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 11 Oct 24 Time: 1240 ☐ AM ☒ PM By: SP

Account Name: IEA - BHS Account # _____

Bill of Lading #: _____ Cooler #: _____

Temp: 21.1 °C ROI ☐ Ambient ☒ Tracking #: _____

TMH: 771 Ice Crystals Present in Sample ☐

MVTL Courier: Dan Other: _____

MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ SpeedDee ☐

Mail ☐ UPS Ground ☐ FedEx Ground ☐

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

Number	Containers Size (mL)	Container Type	Preservation	pH
62	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂ NONE HNO ₃ H ₂ SO ₄ NaOH HCl SUB*	<2 >9 >12 N/A Add
Low Level Mercury Kit				
!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!

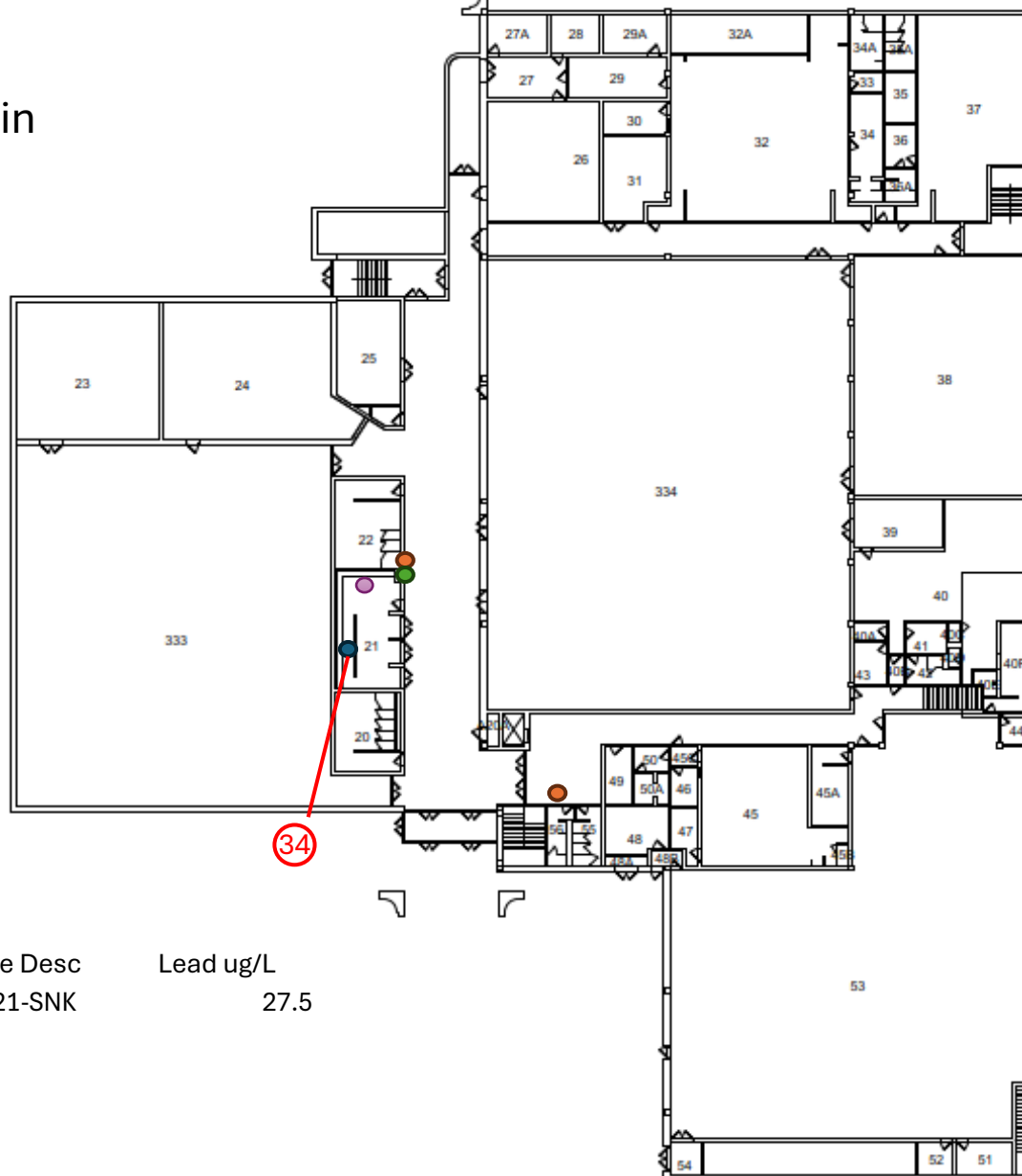
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Appendix B

Building Diagrams

- Sink
- Water Cooler
- Bottle Filler
- Drinking Fountain
- Ice Maker
- Ⓝ High Sample



Sample ID	Sample Desc	Lead ug/L
10102024BCMS-34	Room 21-SNK	27.5



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ENVIRONMENTAL ASSESSMENT

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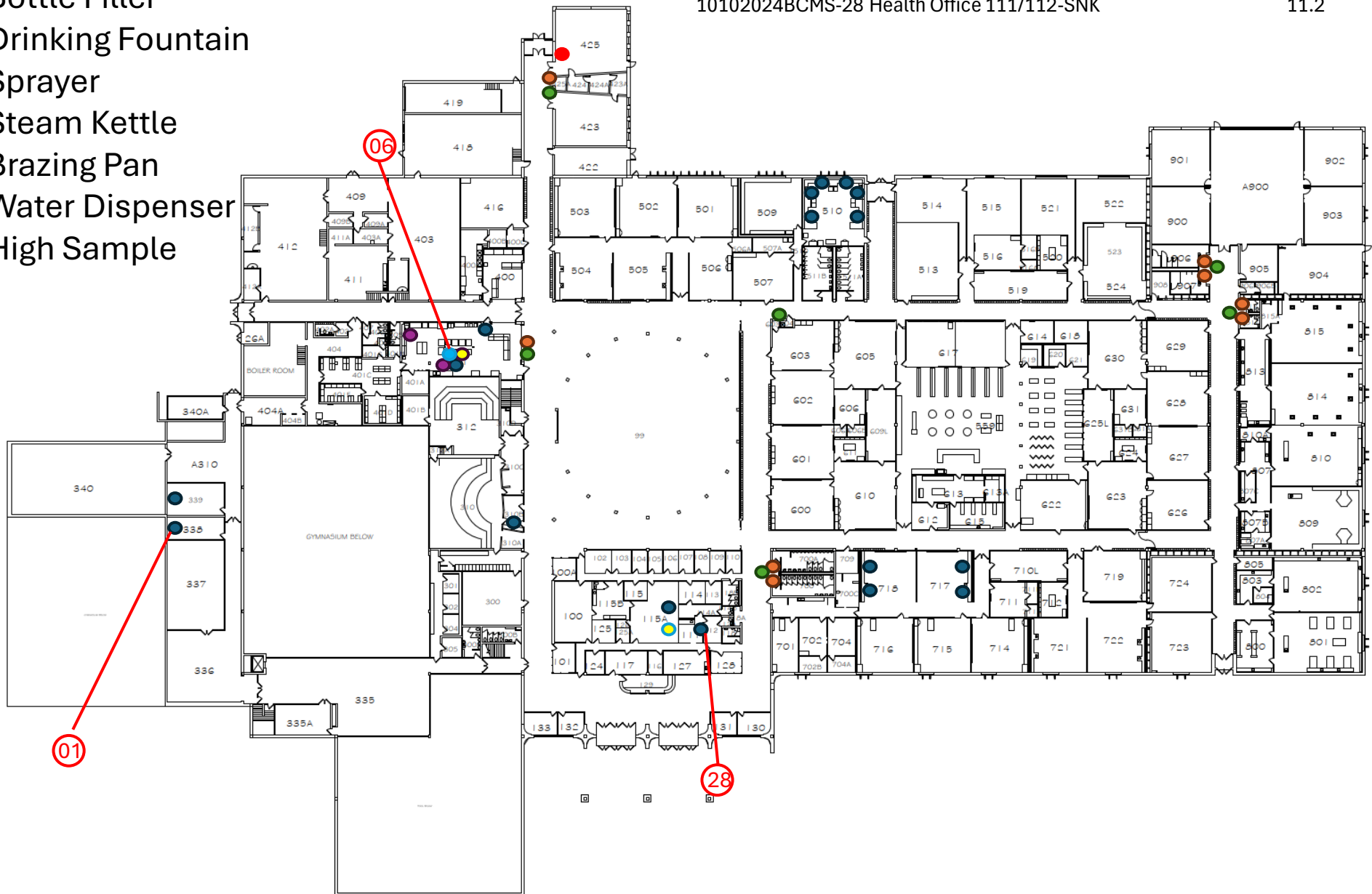
BUFFALO COMMUNITY MIDDLE SCHOOL

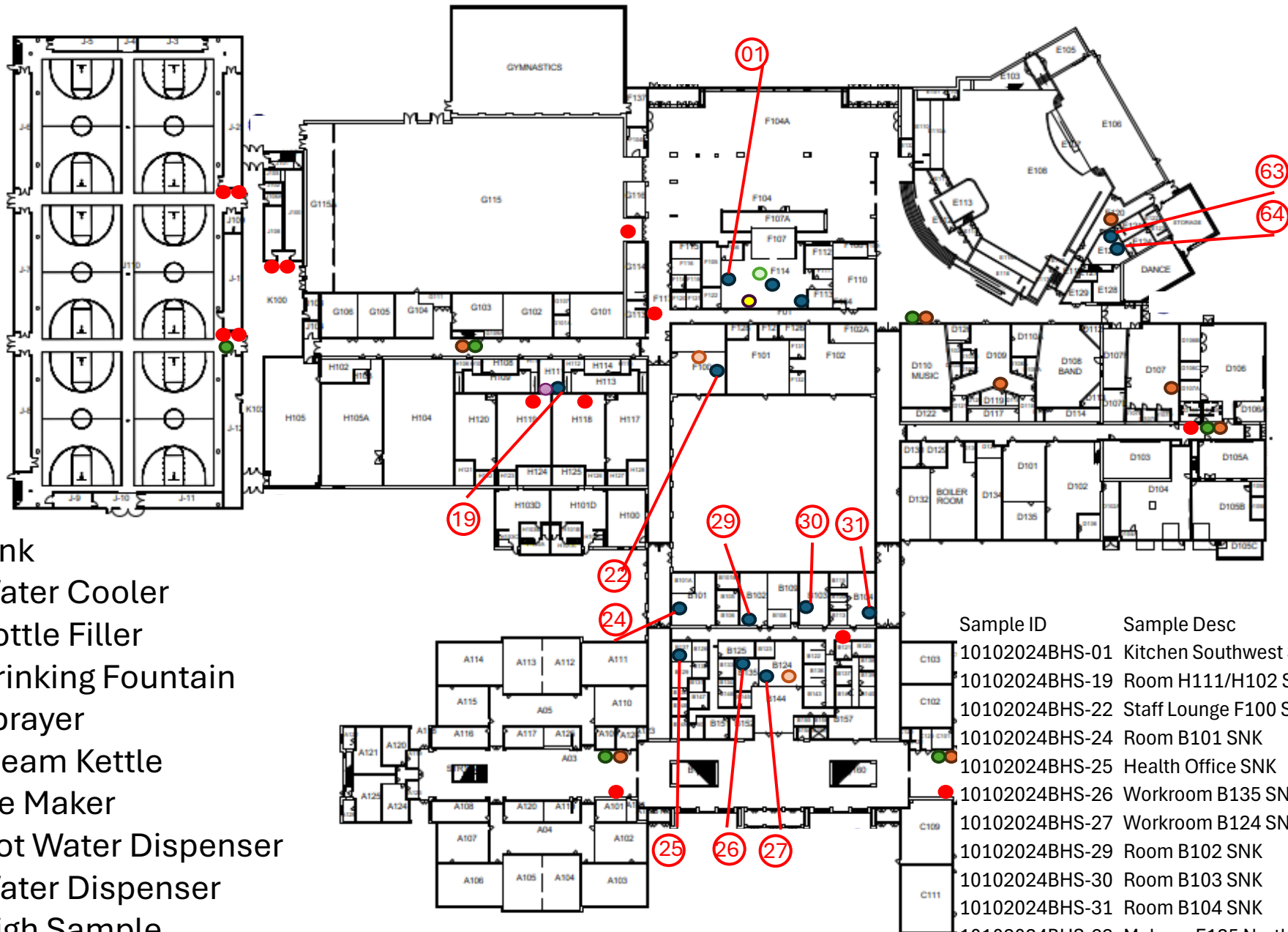
LOWER LEVEL FLOOR PLAN MAY 2018



- Sink
- Water Cooler
- Bottle Filler
- Drinking Fountain
- Sprayer
- Steam Kettle
- Brazing Pan
- Water Dispenser
- # High Sample

Sample ID	Sample Desc	Lead ug/L
10102024BCMS-01	Room 338-SNK	9.08
10102024BCMS-06	Kitchen-Brazing Pan (BP)	14.3
10102024BCMS-28	Health Office 111/112-SNK	11.2





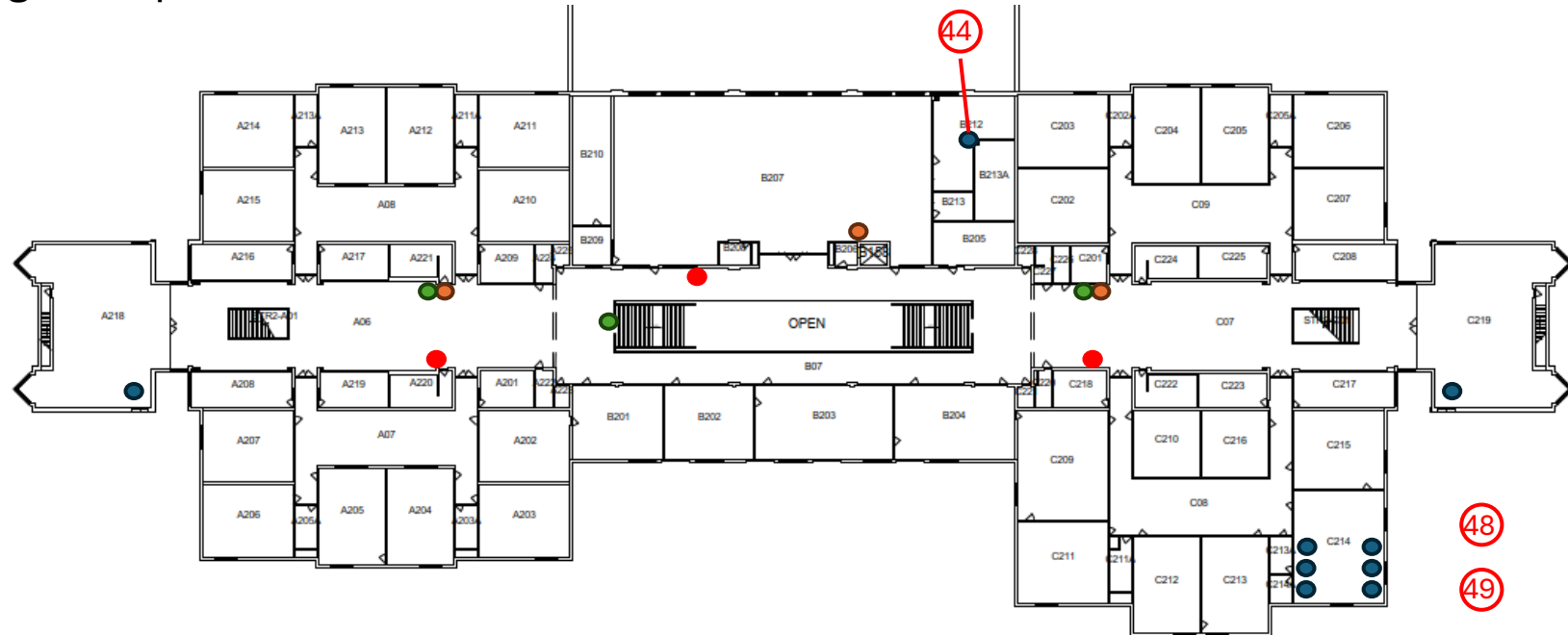
- Sink
- Water Cooler
- Bottle Filler
- Drinking Fountain
- Sprayer
- Steam Kettle
- Ice Maker
- Hot Water Dispenser
- Water Dispenser
- Ⓜ High Sample

Sample ID	Sample Desc	Lead ug/L
10102024BHS-01	Kitchen Southwest SNK	29.4
10102024BHS-19	Room H111/H102 SNK	7.53
10102024BHS-22	Staff Lounge F100 SNK	7.37
10102024BHS-24	Room B101 SNK	6.63
10102024BHS-25	Health Office SNK	5.95
10102024BHS-26	Workroom B135 SNK	6.45
10102024BHS-27	Workroom B124 SNK	10.3
10102024BHS-29	Room B102 SNK	7.18
10102024BHS-30	Room B103 SNK	6.65
10102024BHS-31	Room B104 SNK	13.5
10102024BHS-63	Makeup E125 North SNK	6.26
10102024BHS-64	Makeup E125 South SNK	13



- Sink
- Water Cooler
- Bottle Filler
- Drinking Fountain
- Ⓢ High Sample

Sample ID	Sample Desc	Lead ug/L
10102024BHS-44	Room B212 SNK	14.6
10102024BHS-48	Room C214 SNK 1	5.89
10102024BHS-49	Room C214 SNK 2	5.08



9201 West Broadway Brooklyn Park, MN 55445

IENT Tel: 763.315.7900 Toll Free: 800.233.9513
Fax: 763.315.7920

BUFFALO HIGH SCHOOL

SECOND LEVEL FLOOR PLAN DEC. 2024



February 21, 2025

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



**RE: Buffalo Community Middle School and Buffalo High School
2025 Lead-in-Water First Draw – Post-Remediation Testing
IEA Project #202410922**

Dear Mr. Helppi:

At the request of Buffalo-Hanover-Montrose, the Institute for Environmental Assessment, Inc. (IEA) collected 19 water samples on January 24, 2025, in response to previously elevated sample results for lead analyses.

The purpose of the sampling is to determine if the lead content was reduced after remediation in the sampled locations to assist the district in complying with Minnesota Statute 121A.225.

INTRODUCTION

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.

Minnesota Statute 121A.335 requires public school buildings serving prekindergarten 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. Statute 121A.335 requires remediation of water fixtures with levels of 5 parts per billion (ppb) or higher.

METHODOLOGY

First draw samples collected on October 10, 2024 showed 19 locations had lead content above the action level.

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

The district removed, inspected, cleaned and/or replaced aerators associated with the fixtures. The purpose of the sampling is to determine the lead content post remediation efforts and compare to the MDH action level.

IEA collected 19 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. The MDH recommends that fixtures are not used, eight to 18 hours prior to sampling fixtures.

The MDH strongly recommends fixtures not included in the water sampling be labeled for their intended use. This could include bathroom taps, hose bibbs, laboratory faucets/sinks, or custodial closet sinks. IEA did not sample any fixtures that were labeled as non-potable.

Water samples were analyzed by Minnesota Valley Testing Laboratories (MVTl) in New Ulm, Minnesota, which uses EPA-approved analytical methods and quality control/assurance procedures. Samples were analyzed using the ICP/MS EPA Method 200.8.

RESULTS & DISCUSSION

Retesting showed lowered lead content in SOME fixtures to below 5 ppb

The water analyses results from the initial sampling and the post-remediation testing are listed below in Table 1. Some re-tested locations showed lead content below the Minnesota Statute 121A.335 action level of five ppb, while others did not. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb).

Table 1: Water Testing Results – October 10, 2024, and January 24, 2025

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)	
				Initial October 10, 2024	Re-Testing January 24, 2025
76933013	Buffalo High School	Room B104 SNK	Sink	13.5	17.4
76933001	Buffalo High School	Room C214 SNK 2	Sink	5.08	2
76933002	Buffalo High School	Room C214 SNK 1	Sink	5.89	2.16
76933003	Buffalo High School	Health Office SNK	Sink	5.95	2.5
76933004	Buffalo High School	Makeup E125 North SNK	Sink	6.26	1.71
76933005	Buffalo High School	Workroom B135 SNK	Sink	6.45	1.52
76933006	Buffalo High School	Room B101 SNK	Sink	6.63	1.97
76933007	Buffalo High School	Room B103 SNK	Sink	6.65	3.34
76933008	Buffalo High School	Room B102 SNK	Sink	7.18	3.15
76933009	Buffalo High School	Staff Lounge F100 SNK	Sink	7.37	2.43
76933010	Buffalo High School	Room H111/H102 SNK	Sink	7.53	2.71
76933011	Buffalo High School	Workroom B124 SNK	Sink	10.3	4.51

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)	
76933012	Buffalo High School	Makeup E125 South SNK	Sink	13	2.72
76933014	Buffalo High School	Room B212 SNK	Sink	14.6	3.83
76933015	Buffalo High School	Kitchen Southwest SNK	Sink	29.4	0.77
76934001	Buffalo Com. Middle School	Room 338-SNK	Sink	9.08	0.5
76934002	Buffalo Com. Middle School	Health Office 111/112-SNK	Sink	11.2	1.57
76934003	Buffalo Com. Middle School	Kitchen-Brazing Pan (BP)	Brazing Pan	14.3	4.29
76934004	Buffalo Com. Middle School	Room 21-SNK	Sink	27.5	3.64

ppb – parts per billion

CONCLUSIONS

Based on the sample results, the remediation methods were successful in 18 of the 19 fixtures, reducing the lead content to below the Minnesota Statute 121A.335 action level of five ppb.

RECOMMENDATIONS

Locations that were re-tested and were below the Minnesota Statute 121A.335 action level of five ppb require no further action at this time.

Locations that were re-tested and are above the Minnesota Statute 121A.335 action level of five ppb require further attention. In response to the results, the district placed a “Handwashing Only” sign on the sink in B104.

The district is required to ensure the lead-in-water management plan is available on the district’s website. In addition, annual notification of the lead-in-water management plan is included in the student handbook or another method used to communicate policy information. Lead-in-water testing records must be available upon request.

Test results and remediation documentation is required to be reported annually to the MDH by July 1. Lead results and remediation documentation is required to be maintained by the district for 15 years.

Lead-in-water testing is required every five years in Minnesota schools.

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 #12378 dated August 29, 2024, regarding lead-in-water sampling at Buffalo High School and Buffalo Community Middle School, including the General Conditions attached thereto, no warranties are extended or made.

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

Sincerely,

IEA, Inc.



Alexie DeMarais
EHS Account Manager

Reviewed by:



Mary Ferrian, CSP
EHS Division Manager

AD/wb 022125

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 ~ 515-382-5486 ~ Fax 515-382-3885
www.MVTL.com



Workorder: Buffalo Com. Middle School (76934)
Account #: 2190
Project #: 202410992

Client: Institute for Environmental Assessment (IEA)
PO: 202410992

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:

Angela Fischer, Inorganic Chemistry/Feed Lab Assistant 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: Friday, February 7, 2025 3:38:27 PM

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www.MVTL.com

**Workorder:** Buffalo Com. Middle School (76934)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 76934001 **Date Collected:** 01/24/2025 06:00 **Matrix:** Potable Water
Sample ID: 1242024BCMS-1 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room 338-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	02/07/2025 11:16	

Lab ID: 76934002 **Date Collected:** 01/24/2025 06:00 **Matrix:** Potable Water
Sample ID: 1242024BCMS-2 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Health Office 111/112-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.57	ug/L	15	EPA 200.8	02/05/2025 16:09	

Lab ID: 76934003 **Date Collected:** 01/24/2025 06:00 **Matrix:** Potable Water
Sample ID: 1242024BCMS-3 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen-Brazing Pan (BP)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.29	ug/L	15	EPA 200.8	02/05/2025 16:10	

Lab ID: 76934004 **Date Collected:** 01/24/2025 06:00 **Matrix:** Potable Water
Sample ID: 1242024BCMS-4 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room 21-SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.64	ug/L	15	EPA 200.8	02/05/2025 16:19	

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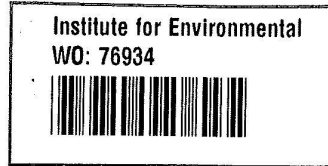
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Workorder: Buffalo Com. Middle School (76934)

Client: Institute for Environmental Assessment (IEA)



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www.MVTL.com



Workorder: Buffalo Com. Middle School (76934)

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 1.800.233.9513

[illegible]

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

Atul 27 Jan 25 1240 AMB 12.7
SP 27 Jan 25 1240/1251 AMB 12.7 938 7m 938

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**Workorder:** Buffalo Com. Middle School (76934)**Client:** Institute for Environmental Assessment (IEA)**Sample Condition Checklist**

Date: 27 Jan 25 Time: 1240/1251 ☐ AM ☒ PM By: JP

Account Name: IEA - BCMS Account # —

Bill of Lading #: — Cooler #: —

Temp: 12.7 °C ROI ☐ Ambient ☒ Tracking #: —

TM#: 938 Ice Crystals Present in Sample ☐

MVTL Courier: Dan Other: —

MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ Speedee ☐
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				
4	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	Low Level Mercury Kit	**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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Workorder: Buffalo High School (76933)
Account #: 2190
Project #: 202410992

Client: Institute for Environmental Assessment (IEA)
PO: 202410992

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:

Angela Fischer, Inorganic Chemistry/Feed Lab Assistant 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: Wednesday, February 12, 2025 11:15:29 AM

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**Workorder:** Buffalo High School (76933)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 76933001 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-1 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room C214 SNK 2

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.00	ug/L	15	EPA 200.8	02/07/2025 14:39	

Lab ID: 76933002 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-2 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room C214 SNK 1

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.16	ug/L	15	EPA 200.8	02/07/2025 14:40	

Lab ID: 76933003 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-3 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Health Office SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.50	ug/L	15	EPA 200.8	02/07/2025 14:41	

Lab ID: 76933004 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-4 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Makeup E125 North SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.71	ug/L	15	EPA 200.8	02/07/2025 14:43	

Lab ID: 76933005 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-5 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Workroom B135 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.52	ug/L	15	EPA 200.8	02/07/2025 14:44	

Lab ID: 76933006 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-6 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room B101 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.97	ug/L	15	EPA 200.8	02/07/2025 14:45	

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Report Date: Wednesday, February 12, 2025 11:15:29 AM

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**Workorder:** Buffalo High School (76933)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 76933007 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-7 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room B103 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.34	ug/L	15	EPA 200.8	02/07/2025 14:46	

Lab ID: 76933008 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-8 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room B102 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.15	ug/L	15	EPA 200.8	02/07/2025 14:47	

Lab ID: 76933009 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-9 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Staff Lounge F100 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.43	ug/L	15	EPA 200.8	02/07/2025 14:48	

Lab ID: 76933010 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-10 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room H111/H102 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.71	ug/L	15	EPA 200.8	02/07/2025 14:49	

Lab ID: 76933011 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-11 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Workroom B124 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.51	ug/L	15	EPA 200.8	02/07/2025 14:58	

Lab ID: 76933012 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-12 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Makeup E125 South SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.72	ug/L	15	EPA 200.8	02/07/2025 14:59	

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Report Date: Wednesday, February 12, 2025 11:15:29 AM

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1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 515-382-5486 ~ Fax 515-382-3885
www.MVTL.com

**Workorder:** Buffalo High School (76933)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 76933013 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-13 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room B104 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	17.4	ug/L	15	EPA 200.8	02/07/2025 15:00	

Lab ID: 76933014 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-14 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Room B212 SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.83	ug/L	15	EPA 200.8	02/11/2025 16:52	

Lab ID: 76933015 **Date Collected:** 01/24/2025 05:30 **Matrix:** Potable Water
Sample ID: 1242025BHS-15 **Date Received:** 01/27/2025 12:40
Temp @ Receipt (C):
Sample Desc: Kitchen Southwest SNK

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.77	ug/L	15	EPA 200.8	02/07/2025 15:02	

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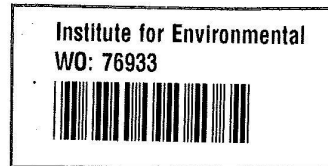
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Workorder: Buffalo High School (76933)

Client: Institute for Environmental Assessment (IEA)



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Workorder: Buffalo High School (76933)

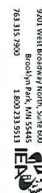
Client: Institute for Environmental Assessment (IEA)

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

1 of 1

Contract Name		Contract Number		Contract Description		Contract Status		Contract Date		Contract Value		Contract Type	
Emma Squares-Sperling		Jack Skuzarek		Project #		ID# K-6		202410992		Project Name		2024 IUV Testing	
Room #		763-315-7927		When Sample Results To		lab@nsafety.com							
Order Information													
Sampled By		Dylan Reed		Date		1/24/2025		Time		5:30 AM		Analyzed By	
Disposed By		Lisa Osterhout		Date		1/27/2025		Time		9:00 AM		(Company)	
Received By				Date				Time				Sample Location	
Lab Number		Sample Number		Sample location		Water		Soil		Other		Date sampled	
												Volume/ Bottle Type	
												Analysis Required	
												Comments & Observations	
01	1242025BH5-1	Room C214 SNK 2	X			1/24/2025	250mL, unpreserved	Lead					
02	1242025BH5-2	Room C214 SNK 1	X			1/24/2025	250mL, unpreserved	Lead					
03	1242025BH5-3	Health Office SNK	X			1/24/2025	250mL, unpreserved	Lead					
04	1242025BH5-4	Maineup E125 North SNK	X			1/24/2025	250mL, unpreserved	Lead					
05	1242025BH5-5	Workroom B135 SNK	X			1/24/2025	250mL, unpreserved	Lead					
06	1242025BH5-6	Room B101 SNK	X			1/24/2025	250mL, unpreserved	Lead					
07	1242025BH5-7	Room B103 SNK	X			1/24/2025	250mL, unpreserved	Lead					
08	1242025BH5-8	Room B102 SNK	X			1/24/2025	250mL, unpreserved	Lead					
09	1242025BH5-9	Staff lounge F105 SNK	X			1/24/2025	250mL, unpreserved	Lead					
10	1242025BH5-10	Room H111/H102 SNK	X			1/24/2025	250mL, unpreserved	Lead					
11	1242025BH5-11	Workroom B124 SNK	X			1/24/2025	250mL, unpreserved	Lead					
12	1242025BH5-12	Maineup E125 South SNK	X			1/24/2025	250mL, unpreserved	Lead					
13	1242025BH5-13	Room B104 SNK	X			1/24/2025	250mL, unpreserved	Lead					
14	1242025BH5-14	Room B121 SNK	X			1/24/2025	250mL, unpreserved	Lead					
15	1242025BH5-15	Kitchen Southwest SNK	X			1/24/2025	250mL, unpreserved	Lead					

Chain of Custody



763.315.7900 1.800.233.9513

16933

4-12 23 Jun 25 1240 AMMS 12.7
 SP at Ten as 1240/1251 AMB 12.7 938
 AMB 12.7 938

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Workorder: Buffalo High School (76933)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 27 Jan 25 Time: 1249/1251 ☐ AM ☒ PM By: SP

Account Name: IEA - BHJ Account # -

Bill of Lading #: - Cooler #: -

Temp: 12.7 °C ROI ☐ Ambient ☒ Tracking #: -

TM#: 938 Ice Crystals Present in Sample ☐

MVTL Courier: Dan Other: -

MVTL Route: Metro Walk-In ☐ UPS Air ☐ FedEx Air ☐ Speedee ☐

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				
15	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G)	(P)	(AG)	(AP)	NaHSO ₄	Na ₂ O ₃ S ₂	NONE	HNO ₃	H ₂ SO ₄	NaOH	HCl	SUB*	<2	>9	>12	N/A	Add
	(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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