

October 3, 2024



Rochelle Cox
Senior Officer of Operations and Systems Alignment
Fridley Public Schools
6000 W. Moore Lake Drive NE
Fridley, MN 55432

**RE: Lead-in-Water First Draw
 Post-Remediation and Flush Testing
 IEA Project #202411055**

Dear Ms. Cox:

At the request of Fridley Public Schools, the Institute for Environmental Assessment, Inc. (IEA) collected fifty-six (56) water samples from twenty-eight (28) locations on September 17, 2024, 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, solder, 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. The Minnesota Department of Health (MDH) and Minnesota Department of Education (MDE) also recommend taking action according to their guidelines for fixtures with levels of 2 ppb or higher.

BROOKLYN PARK
9201 West Broadway, #600
Brooklyn Park, MN 55445
763-315-7900 / FAX 763-315-7920
800-233-9513

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

ROCHESTER
210 Woodlake Drive SE
Rochester, MN 55904
507-281-6664 / FAX 507-281-6695
800-233-9513

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

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

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

METHODOLOGY

First draw samples collected on October 24, 2023 showed twenty-six (26) locations had lead content above the action level.

The district pulled one (1) fixture out of service. This fixture was **not** included in the Post-Remediation First-Draw and Flush Testing.

- Fridley Middle School – Room 178 Sink

The district labeled four (4) fixtures as non-potable. These fixtures were **not** included in the Post-Remediation First-Draw and Flush Testing.

- Fridley High School – Media Center Copy Room Sink
- Fridley High School – Kitchen West Handwashing Sink
- Fridley Middle School – Room 121 Sink
- Hayes Elementary School – Kitchen Sink Sprayer

The district removed three (3) fixtures and replaced them with a total of four (4) new fixtures. These fixtures were included in the Post-Remediation First-Draw and Flush Testing.

- Fridley High School – West Hallway (Outside Room 139) North and South Drinking Fountains removed and replaced with one Water Cooler and one Water Bottle Filler
- Fridley Middle School – Pool Drinking Fountain removed and replaced with one Water Cooler and one Water Bottle Filler

The district inspected and replaced the hardware on twenty-four (24) fixtures. These fixtures were included in the Post-Remediation First-Draw and Flush Testing.

- Fridley High School – Room 143 Sink
- Fridley High School – Room 113 East Sink
- Fridley High School – Room 116 Sink
- Fridley High School – Office Across Room 113 Sink
- Fridley High School – Kitchen Sink
- Fridley High School – Steam Kettle Sprayer
- Fridley Middle School – Room 186 Sink
- Fridley Middle School – Room 160E Sink
- Fridley Middle School – Room 171 Sink
- Fridley Middle School – Room 195A Sink
- Fridley Community Center – Room 109 Sink
- Fridley Community Center – Room 124 Sink
- Hayes Elementary School – Room 103 Sink
- Hayes Elementary School – Front Office West Side Room Sink
- Hayes Elementary School – Room 135 Sink
- Hayes Elementary School – Kitchen Steam Kettle Sprayer
- Hayes Elementary School – Kitchen East Sink
- Hayes Elementary School – Kitchen West Sink
- Hayes Elementary School – Kitchen Steam Kettle Faucet
- RL Stevenson Elementary School – Room 119 Sink
- RL Stevenson Elementary School – Room 137 Sink
- RL Stevenson Elementary School – Kitchen Steam Kettle Sprayer
- RL Stevenson Elementary School – Kitchen South Sink
- RL Stevenson Elementary School – Kitchen Steam Kettle Faucet

The purpose of the sampling is to determine the lead content post remediation efforts and compare to the MDH action level.

IEA collected twenty-eight (28) 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.

IEA collected twenty-eight (28) 30-second flush samples of approximately 250 milliliters (ml) of water. The fixture is run for 30-seconds prior to collecting the flush sample. The purpose of flush sampling is to determine if the source of the lead content is the fixture or the building plumbing system.

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 from the initial sampling, post-remediation sampling, and flush sampling 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. All locations that were flushed for 30-seconds showed reduced lead content below 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: First-Draw Water Testing Results – October 24, 2023 and September 17, 2024

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)		
				Initial 10/24/23	Re-Testing 9/17/24	Flush Sampling 9/17/24
09172024FHS-1	Fridley High School	Room 143	Sink	17.5	2.51	1.12
09172024FHS-3	Fridley High School	Room 113	East Sink	5.43	2.61	<0.5
09172024FHS-5	Fridley High School	Room 116	Sink	8.43	2.79	<0.5
09172024FHS-8	Fridley High School	Office Across Room 113	Sink	25	3.11	<0.5
09172024FHS-9	Fridley High School	Kitchen	Sink	5.75	<0.5	<0.5
09172024FHS-11	Fridley High School	Kitchen	Steam Kettle/ Brazing Pan Sprayer	13.6	243	2.75
09172024FHS-13	Fridley High School	West Hallway (Outside Room 139)	Water Cooler	560	<0.5	<0.5
09172024FHS-15	Fridley High School	West Hallway (Outside Room 139)	WBF	560	<0.5	<0.5

Sample Number	Building	Sampling Location	Fixture Type	Lead Results (ppb)		
				Initial 10/24/23	Re-Testing 9/17/24	Flush Sampling 9/17/24
09172024FMS-1	Fridley Middle School	Pool	Water Cooler	11	<0.5	<0.5
09172024FMS-3	Fridley Middle School	Room 186	Sink	11.1	7.03	2.0
09172024FMS-5	Fridley Middle School	Room 160E	Sink	10.6	7.38	2.9
09172024FMS-7	Fridley Middle School	Room 171	Sink	27	7.14	0.6
09172024FMS-9	Fridley Middle School	Room 195A	Sink	9.2	3.26	0.69
09172024FMS-11	Fridley Middle School	Pool	Water Bottle Filler	11	<0.5	<0.5
09172024FCC-1	Fridley Community Center	Room 109	Sink	40.5	2.97	<0.5
09172024FCC-3	Fridley Community Center	Room 124	Sink	8.56	1.65	0.94
09172024HES-1	Hayes Elementary	Room 103	Sink	5.36	<0.5	<0.5
09172024HES-3	Hayes Elementary	Front Office West Side Room	Sink	7.39	0.94	<0.5
09172024HES-5	Hayes Elementary	Room 135	Sink	7.8	2.04	0.88
09172024HES-7	Hayes Elementary	Kitchen	Steam Kettle Sprayer	9.33	1.83	<0.5
09172024HES-9	Hayes Elementary	Kitchen	East Sink	10.7	5.1	1.07
09172024HES-11	Hayes Elementary	Kitchen	West Sink	211	3.06	<0.5
09172024HES-13	Hayes Elementary	Kitchen	Steam Kettle Faucet	N/A	1.75	0.92
09172024SES-1	RL Stevenson Elementary	Room 119	Sink	5.12	<1	<0.5
09172024SES-3	RL Stevenson Elementary	Room 137	Sink	6.45	<0.5	<0.5
09172024SES-5	RL Stevenson Elementary	Kitchen	Steam Kettle Sprayer	7.69	3.39	0.77
09172024SES-7	RL Stevenson Elementary	Kitchen	South Sink	10.1	6.2	0.75
09172024SES-11	RL Stevenson Elementary	Kitchen	Steam Kettle Faucet	N/A	1.54	1.66

ppb – parts per billion

CONCLUSIONS

Of the twenty-eight (28) fixtures re-tested, twenty-two (22) fixtures had lead content below the Minnesota Statute 121A.335 action level of five ppb and six (6) fixtures had lead content below the Minnesota Statute 121A.335 action level of five ppb when flushed for 30 seconds.

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.
- For the post-remediation fixtures that tested over 5 ppb in re-testing, the flush sample showed lead results were reduced to below the Minnesota Statute 121A.335 action level of five ppb when a 30-second flush was conducted. The district should conduct training and post signage advising staff to flush the fixture for 30-seconds before use.
- 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 official school 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 Fridley Public Schools at the indicated locations. This report does not reflect variations in conditions that may occur across the site, property, or facility. Actual conditions may vary and may not become evident without further assessment.

The report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental, health, and safety practices. Other than as provided in the preceding sentence and in our Proposal #12423 dated September 16, 2024, regarding lead-in-water sampling at Fridley Public Schools, including the General Conditions attached thereto, no warranties are extended or made.

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

Sincerely,

Reviewed by,

IEA, Inc.



Aly Rockwell
EHS Account Manager



Mary Ferrian, CSP
EHS Division Manager

AR/wb 100324

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: Fridley Community Center (64523)
Account #: 2190
Project #: 202411055

Client: Institute for Environmental Assessment (IEA)
PO: 202411055

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: Friday, September 20, 2024 2:09:32 PM

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**Workorder:** Fridley Community Center (64523)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	64523001	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FCC-1	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 109-Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.97	ug/L	15	EPA 200.8	09/20/2024 10:02	

Lab ID:	64523002	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FCC-2	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 109-Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 10:03	

Lab ID:	64523003	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FCC-3	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 124-Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.65	ug/L	15	EPA 200.8	09/20/2024 10:04	

Lab ID:	64523004	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FCC-4	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 124-Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.94	ug/L	15	EPA 200.8	09/20/2024 10:05	

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Workorder: Fridley Community Center (64523)

Client: Institute for Environmental Assessment (IEA)

Institute for Environmental
WO: 64523



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www.MVTL.com



Workorder: Fridley Community Center (64523)

Client: Institute for Environmental Assessment (IEA)

1 of 1

64523

Chain of Custody

9001 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.238.9513



Client Name		Fridley Public Schools		Building Name		Fridley Community Center		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling		Aly Rockwell		Project #		202411055		Project Name	
Phone #		612-710-8381		IEA Fax #		763-315-7927		Written Sample Results To		info@mvtestlab.com	
Other Information											
Sampled By		Eddie Anderson		Date		9/17/2024		Time		Time	
Reviewed By				Date				Time		Time	
Shipped By				Date				Time		Time	
Received By				Date				Time		Time	
Lab Number		Sample Number		Sample Location		Sample Type		Date Sampled		Volume/Bottle Type	
						Water					
						Soil					
						Other					
01		09172024FCC-1		Room 109 - Sink		X		9/17/2024		250ml unpreserved	
02		09172024FCC-2		Room 109 - Sink (Flush)		X		9/17/2024		250ml unpreserved	
03		09172024FCC-3		Room 124 - Sink		X		9/17/2024		250ml unpreserved	
04		09172024FCC-4		Room 124 - Sink (Flush)		X		9/17/2024		250ml unpreserved	
										Lead	

APL 18 Sep 24 1320 23.1

SP 18 Sep 24 1320

AMB 23.1 774

7m774

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

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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1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
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Workorder: Fridley Community Center (64523)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 18 Sep 24 Time: 1320 ☐ AM ☒ PM By: SP

Account Name: IEA - FCC Account # -

Bill of Lading #: - Cooler #: -

Temp: 23.1 °C ROI ☐ Ambient ☒ Tracking #: -

TMH: 774 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
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	**I DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!**		
	4 oz Jar	Clear Amber	MeOH None	n/a
	2 oz Jar	Clear Amber	MeOH None	n/a
	Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄ None	n/a
	Vials Individual Set of 2 Set of 3	Clear Amber	HCl H ₃ PO ₄ H ₂ SO ₄ None	n/a
	Trip Blank Individual Set of 2 Set of 3		n/a	
	Moisture Vial		n/a	
	Manure Bottle		n/a	

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

Form # 30-911001-0

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Effective Date: 29 September 2021

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: Fridley High School (64526)
Account #: 2190
Project #: 202411055

Client: Institute for Environmental Assessment (IEA)
PO: 202411055

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: Wednesday, September 25, 2024 9:16:39 AM

**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

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2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
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**Workorder:** Fridley High School (64526)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 64526001 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FHS-1 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 143-Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.51	ug/L	15	EPA 200.8	09/23/2024 09:00	

Lab ID: 64526002 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FHS-2 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 143-Sink (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.12	ug/L	15	EPA 200.8	09/23/2024 09:01	

Lab ID: 64526003 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FHS-3 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 113-East Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.61	ug/L	15	EPA 200.8	09/23/2024 09:02	

Lab ID: 64526004 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FHS-4 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 113-East Sink (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/23/2024 09:03	

Lab ID: 64526005 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FHS-5 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 116-Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.79	ug/L	15	EPA 200.8	09/23/2024 09:05	

Lab ID: 64526006 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FHS-6 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 116-Sink (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/23/2024 09:06	

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Report Date: Wednesday, September 25, 2024 9:16:39 AM

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1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
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**Workorder:** Fridley High School (64526)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	64526007	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-7	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Office Across Room 113-Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/23/2024 09:07	

Lab ID:	64526008	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-8	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Office Across Room 113-Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.11	ug/L	15	EPA 200.8	09/23/2024 09:08	

Lab ID:	64526009	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-9	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/23/2024 09:10	

Lab ID:	64526010	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-10	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/23/2024 09:11	

Lab ID:	64526011	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-11	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Brazing Pan SPR					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	243	ug/L	15	EPA 200.8	09/24/2024 13:48	

Lab ID:	64526012	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-12	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Steam Kettle (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.75	ug/L	15	EPA 200.8	09/20/2024 16:11	

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**Workorder:** Fridley High School (64526)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	64526013	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-13	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	West Hallway (Outside Room 139)-WC					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:12	

Lab ID:	64526014	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-14	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	West Hallway (Outside Room 139)- WC (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:13	

Lab ID:	64526015	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-15	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	West Hallway (Outside Room 139)- WBF					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:15	

Lab ID:	64526016	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FHS-16	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	West Hallway (Outside Room 139)- WBF (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:16	

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Workorder: Fridley High School (64526)

Client: Institute for Environmental Assessment (IEA)

Institute for Environmental
WO: 64526



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Workorder: Fridley High School (64526)

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		Fridley Public Schools		Building Name		Fridley High School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling		Aly Rockwell		Project #		202411055		Project Name	
Phone #		612-710-8381		IAA Fax #		763-315-7927		Written Sample Results To		lab@msaafety.com	
Other Information											
Sampled By				Eddie Anderson		Date		9/17/2024		Time	
Reviewed By						Date		Time		Analyzed By (Company)	
Shipped By						Date		Time		Turnaround Time	
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						
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16	09172024FHS-1	Room 143 - Sink	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-2	Room 143 - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-3	Room 113 - East Sink	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-4	Room 113 - East Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-5	Room 116 - Sink	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-6	Room 116 - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-7	Office Across Room 113 - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-8	Office Across Room 113 - Sink	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-9	Kitchen - Sink	X			9/17/2024	250mL unpreserved	Lead	Not First Draw		
	09172024FHS-10	Kitchen - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-11	Kitchen - Brazing Pan SPR	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-12	Kitchen - Steam Kettle (Flush)	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-13	West Hallway (outside room 139) - WC	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-14	West Hallway (outside room 139) - WC (Flush)	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-15	West Hallway (outside room 139) - WBF	X			9/17/2024	250mL unpreserved	Lead			
	09172024FHS-16	West Hallway (outside room 139) - WBF (Flush)	X			9/17/2024	250mL unpreserved	Lead			

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

H-hal 18 Sept 24 1045 AMB
H-hal 18 Sept 24 1320 23.1
AMB 23.1 774

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Workorder: Fridley High School (64526)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 18 Sep 24 Time: 1320 ☐ AM ☒ PM By: SP

Account Name: IEA - FHS Account #: -

Bill of Lading #: - Cooler #: -

Temp: 23.1 °C ROI ☐ Ambient ☒ Tracking #: -

TM#: 774 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
16	(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!

Form # 30-911001-0

Page 1 of 1

Effective Date: 29 September 2021

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Workorder: Fridley Middle School (64531)
Account #: 2190
Project #: 202411055

Client: Institute for Environmental Assessment (IEA)
PO: 202411055

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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**Workorder:** Fridley Middle School (64531)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	64531001	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FMS-1	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Pool Water Cooler					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:44	

Lab ID:	64531002	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FMS-2	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Pool Water Cooler Flush					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:45	

Lab ID:	64531003	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FMS-3	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 186 Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.03	ug/L	15	EPA 200.8	09/20/2024 16:46	

Lab ID:	64531004	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FMS-4	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 186 Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.00	ug/L	15	EPA 200.8	09/20/2024 16:48	

Lab ID:	64531005	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FMS-5	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 160E Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.38	ug/L	15	EPA 200.8	09/20/2024 16:49	

Lab ID:	64531006	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024FMS-6	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 160E Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.90	ug/L	15	EPA 200.8	09/20/2024 16:59	

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**Workorder:** Fridley Middle School (64531)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 64531007 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FMS-7 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 171 Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	7.14	ug/L	15	EPA 200.8	09/24/2024 13:34	

Lab ID: 64531008 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FMS-8 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 171 Sink Flush

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.60	ug/L	15	EPA 200.8	09/25/2024 13:10	

Lab ID: 64531009 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FMS-9 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 195A Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.26	ug/L	15	EPA 200.8	09/20/2024 17:00	

Lab ID: 64531010 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FMS-10 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 195A Sink Flush

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.69	ug/L	15	EPA 200.8	09/20/2024 17:02	

Lab ID: 64531011 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FMS-11 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Pool Water Bottle Filler

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 17:03	

Lab ID: 64531012 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024FMS-12 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Pool Water Bottle Filler (flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 17:04	

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Workorder: Fridley Middle School (64531)

Client: Institute for Environmental Assessment (IEA)

Institute for Environmental
WO: 64531



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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: Fridley Middle School (64531)

Client: Institute for Environmental Assessment (IEA)

1 of 1

WMS31

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9513



Client Name		Fridley Public Schools		Building Name		Fridley Middle School		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling Aly Rockwell		Project #		202411055		Project Name			
Phone #		612-710-8381		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieaassess.com	
Other Information											
Sampled By		Eddie Anderson		Date		9/17/2024		Time			
Reviewed By				Date				Time			
Shipped By				Date				Time			
Received By				Date				Time			
Analyst				Date & Time				Notes			
Sample Condition				Temperature							
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
	09172024FMS-1	Pool - Water Cooler	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-2	Pool - Water Cooler (Flush)	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-3	Room 186 - Sink	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-4	Room 186 - Sink (Flush)	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-5	Room 160E - Sink	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-6	Room 160E - Sink (Flush)	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-7	Room 171 - Sink	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-8	Room 171 - Sink (Flush)	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-9	Room 195A - Sink	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-10	Room 195A - Sink (Flush)	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-11	Pool-Water Bottle Filler	Water			9/17/2024	250mL unpreserved	Lead			
	09172024FMS-12	Pool-Water Bottle Filler (Flush)	Water			9/17/2024	250mL unpreserved	Lead			

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

SP 18 Sep 24 1320

SP 18 Sep 24 1320

AMB 23.1 774

23.1

W774

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Report Date: Wednesday, September 25, 2024 4:46:54 PM

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Workorder: Fridley Middle School (64531)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 18 Sep 24 Time: 1320 ☐ AM ☒ PM By: SP

Account Name: IEA - FMS Account # -

Bill of Lading #: - Cooler #: -

Temp: 23.1 °C ROI ☐ Ambient ☒ Tracking #: -

TMH: 774 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
12	(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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Report Date: Wednesday, September 25, 2024 4:46:54 PM



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Workorder: Hayes Elementary (64525)
Account #: 2190
Project #: 202411055

Client: Institute for Environmental Assessment (IEA)
PO: 202411055

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: Wednesday, September 25, 2024 9:16:39 AM

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**Workorder:** Hayes Elementary (64525)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 64525001 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024HES-1 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 103-Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 10:07	

Lab ID: 64525002 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024HES-2 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 103-Sink (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 10:22	

Lab ID: 64525003 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024HES-3 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Front Office West Side Room-Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.94	ug/L	15	EPA 200.8	09/20/2024 10:23	

Lab ID: 64525004 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024HES-4 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Front Office West Side Room-Sink (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 10:24	

Lab ID: 64525005 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024HES-5 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 135-Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.04	ug/L	15	EPA 200.8	09/24/2024 13:30	

Lab ID: 64525006 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024HES-6 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Room 135-Sink (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.88	ug/L	15	EPA 200.8	09/20/2024 10:26	

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www.MVTL.com

**Workorder:** Hayes Elementary (64525)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	64525007	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-7	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Steam Kettle Sprayer					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.83	ug/L	15	EPA 200.8	09/24/2024 13:31	

Lab ID:	64525008	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-8	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Steam Kettle Sprayer (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 10:27	

Lab ID:	64525009	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-9	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-East Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.10	ug/L	15	EPA 200.8	09/20/2024 10:28	

Lab ID:	64525010	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-10	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-East Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.07	ug/L	15	EPA 200.8	09/20/2024 10:29	

Lab ID:	64525011	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-11	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-West Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.06	ug/L	15	EPA 200.8	09/20/2024 10:31	

Lab ID:	64525012	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-12	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-West Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 10:32	

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**Workorder:** Hayes Elementary (64525)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	64525013	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-13	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Steam Kettle					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.75	ug/L	15	EPA 200.8	09/20/2024 10:33	

Lab ID:	64525014	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024HES-14	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Steam Kettle (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.92	ug/L	15	EPA 200.8	09/20/2024 10:43	

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Workorder: Hayes Elementary (64525)

Client: Institute for Environmental Assessment (IEA)

Institute for Environmental
WO: 64525



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Workorder: Hayes Elementary (64525)

Client: Institute for Environmental Assessment (IEA)

1 of 1

64525

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
763.315.7900 1.800.233.9513 IEA

Client Name		Fridley Public Schools		Building Name		Hayes Elementary		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling		Project #		202411055		Project Name			
Phone #		612-710-8381		IEA Fax #		763-315-7927		Written Sample Results To		lab@mvtl.com	
Other Information											
Sampled By		Eddie Anderson		Date		9/17/2024		Time			
Reviewed By				Date				Turnaround Time		Notes	
Shipped By				Date				Sample Condition		Temperature	
Received By				Date							
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
09172024HES-1	09172024HES-1	Room 103 - Sink	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-2	09172024HES-2	Room 103 - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-3	09172024HES-3	Front Office West Side Room - Sink	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-4	09172024HES-4	Front Office West Side Room - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-5	09172024HES-5	Room 135 - Sink	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-6	09172024HES-6	Room 135 - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-7	09172024HES-7	Kitchen - Steam Kettle Sprayer	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-8	09172024HES-8	Kitchen - Steam Kettle Sprayer (Flush)	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-9	09172024HES-9	Kitchen - East Sink	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-10	09172024HES-10	Kitchen - East Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-11	09172024HES-11	Kitchen - West Sink	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-12	09172024HES-12	Kitchen - West Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-13	09172024HES-13	Kitchen - Steam Kettle	X			9/17/2024	250mL unpreserved	Lead			
09172024HES-14	09172024HES-14	Kitchen - Steam Kettle (Flush)	X			9/17/2024	250mL unpreserved	Lead			

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

4-CL 18 Sept 24 1320 23.1

SP 18 Sep 24 1320

AMB 23.1 774

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Workorder: Hayes Elementary (64525)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 18 Sep 24 Time: 1320 ☐ AM ☒ PM By: SP

Account Name: IEA - HES Account #: -

Bill of Lading #: - Cooler #: -

Temp: 23.1 °C ROI ☐ Ambient ☒ Tracking #: -

TMH: 774 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

Number	Containers Size (mL)	Container Type	Preservation	pH
14	(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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Effective Date: 29 September 2021

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Report Date: Wednesday, September 25, 2024 9:16:39 AM

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Workorder: RL Stevenson Elementary (64528)
Account #: 2190
Project #: 202411055

Client: Institute for Environmental Assessment (IEA)
PO: 202411055

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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**Workorder:** RL Stevenson Elementary (64528)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID:	64528001	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024SES-1	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 119-Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<1	ug/L	15	EPA 200.8	09/23/2024 13:04	
Lab ID:	64528002	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024SES-2	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 119-Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:18	
Lab ID:	64528003	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024SES-3	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 137-Sink					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:20	
Lab ID:	64528004	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024SES-4	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Room 137-Sink (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	09/20/2024 16:21	
Lab ID:	64528005	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024SES-5	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Steam Kettle Sprayer					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.39	ug/L	15	EPA 200.8	09/20/2024 16:22	
Lab ID:	64528006	Date Collected:	09/17/2024	Matrix:	Potable Water	
Sample ID:	09172024SES-6	Date Received:	09/18/2024 13:20			
Temp @ Receipt (C):						
Sample Desc:	Kitchen-Steam Kettle Sprayer (Flush)					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.77	ug/L	15	EPA 200.8	09/20/2024 16:37	

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**Workorder:** RL Stevenson Elementary (64528)**Client:** Institute for Environmental Assessment (IEA)**Analytical Results**

Lab ID: 64528007 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024SES-7 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Kitchen-South Sink

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.20	ug/L	15	EPA 200.8	09/20/2024 16:39	

Lab ID: 64528008 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024SES-8 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Kitchen-South Sink (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.75	ug/L	15	EPA 200.8	09/20/2024 16:40	

Lab ID: 64528009 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024SES-11 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Kitchen-Steam Kettle

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.54	ug/L	15	EPA 200.8	09/20/2024 16:41	

Lab ID: 64528010 **Date Collected:** 09/17/2024 **Matrix:** Potable Water
Sample ID: 09172024SES-12 **Date Received:** 09/18/2024 13:20
Temp @ Receipt (C):
Sample Desc: Kitchen-Steam Kettle (Flush)

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.66	ug/L	15	EPA 200.8	09/20/2024 16:43	

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Workorder: RL Stevenson Elementary (64528)

Client: Institute for Environmental Assessment (IEA)

Institute for Environmental
WO: 64528



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Workorder: RL Stevenson Elementary (64528)

Client: Institute for Environmental Assessment (IEA)

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64528

Chain of Custody

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55440
763.315.7900 1.800.233.9513



Client Name		Fridley Public Schools		Building Name		RL Stevenson Elementary		Analytical Lab		MVTL	
Contact Name		Emma Squires-Sperling		Project #		202411055		Project Name			
Phone #		612-710-8381		IEA Fax #		763-315-7927		Written Sample Results To		lab@ieaia.com	
Other Information											
Sampled By		Eddie Anderson		Date		9/17/2024		Time			
Reviewed By				Date				Turnaround Time		Notes	
Shipped By				Date				Sample Condition		Temperature	
Received By				Date							
Lab Number	Sample Number	Sample Location	Sample Type			Date Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations		
			Water	Soil	Other						
61	09172024SES-1	Room 119 - Sink	X			9/17/2024	250mL unpreserved	Lead			
62	09172024SES-2	Room 119 - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
63	09172024SES-3	Room 137 - Sink	X			9/17/2024	250mL unpreserved	Lead			
64	09172024SES-4	Room 137 - Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
65	09172024SES-5	Kitchen - Steam Kettle Sprayer	X			9/17/2024	250mL unpreserved	Lead			
66	09172024SES-6	Kitchen - Steam Kettle Sprayer (Flush)	X			9/17/2024	250mL unpreserved	Lead			
67	09172024SES-7	Kitchen - South Sink	X			9/17/2024	250mL unpreserved	Lead			
68	09172024SES-8	Kitchen - South Sink (Flush)	X			9/17/2024	250mL unpreserved	Lead			
69	09172024SES-9	Kitchen - Steam Kettle	X			9/17/2024	250mL unpreserved	Lead			
70	09172024SES-10	Kitchen - Steam Kettle (Flush)	X			9/17/2024	250mL unpreserved	Lead			

on bottles
SP

18 Sep 24 1320 23.1
AMB 23.1 774

SP 18 Sep 24 1320

AMB 23.1 774

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

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Workorder: RL Stevenson Elementary (64528)

Client: Institute for Environmental Assessment (IEA)



Sample Condition Checklist

Date: 18 Sep 24 Time: 1320 ☐ AM ☒ PM By: SP

Account Name: IEA - SES Account #: -

Bill of Lading #: - Cooler #: -

Temp: 23.1 °C ROI ☐ Ambient ☒ Tracking #: -

TMH: 774 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

Containers Size (mL)		Container Type		Preservation								pH	
10	(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*
	(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*
	(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*
	(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*
	(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*
	(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*
	(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*
Low Level Mercury Kit													
!DO NOT OPEN THE PLASTIC BAGS HOLDING THE SAMPLE BOTTLES!!													
4 oz Jar	Clear	Amber				MeOH							n/a
2 oz Jar	Clear	Amber				MeOH							n/a
Vials Individual Set of 2 Set of 3	Clear	Amber				HCl	H ₃ PO ₄	H ₂ SO ₄					n/a
Vials Individual Set of 2 Set of 3	Clear	Amber				HCl	H ₃ PO ₄	H ₂ SO ₄					n/a
Trip Blank Individual Set of 2 Set of 3													n/a
Moisture Vial													n/a
Manure Bottle													n/a

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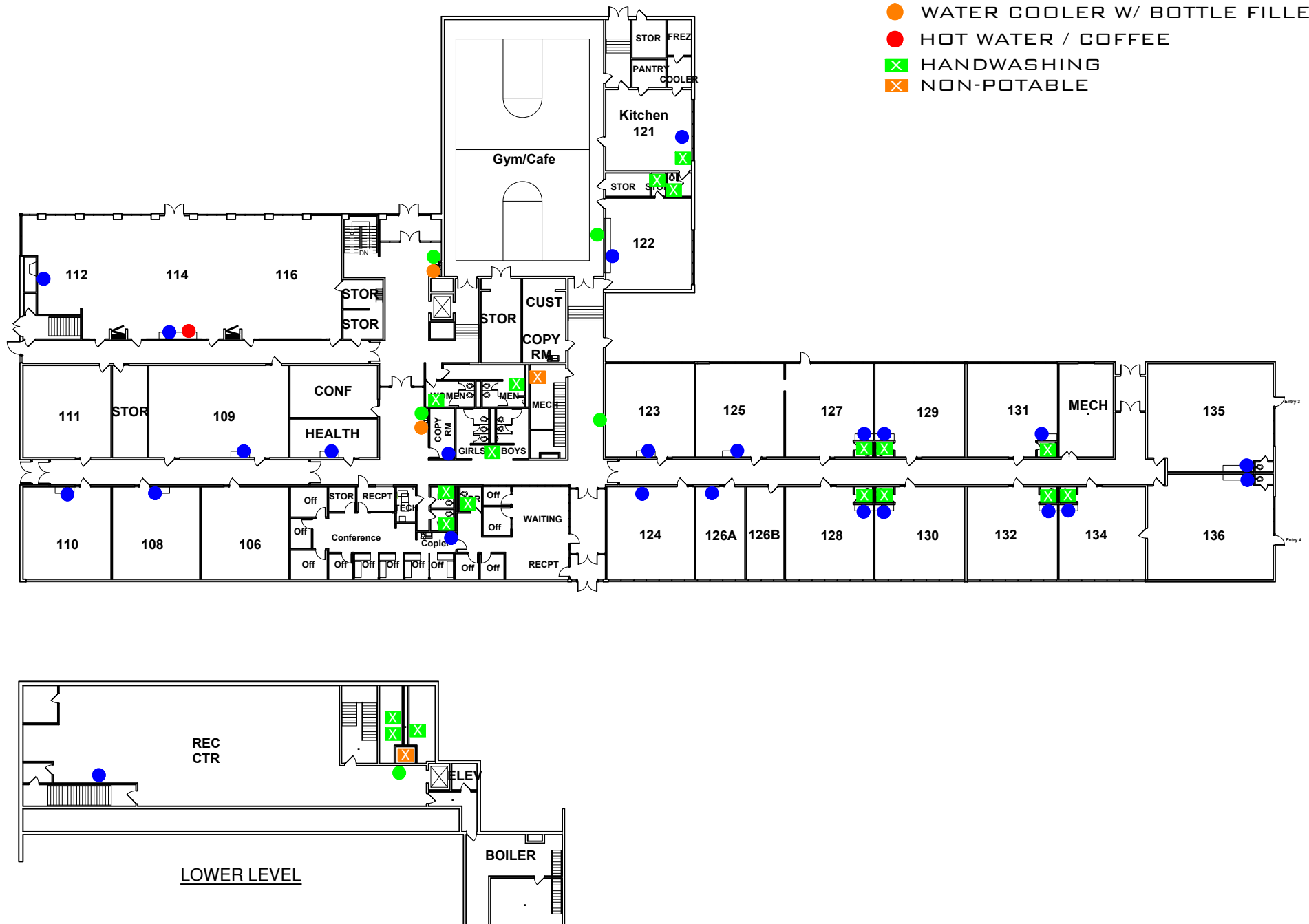
Report Date: Monday, September 23, 2024 4:44:14 PM

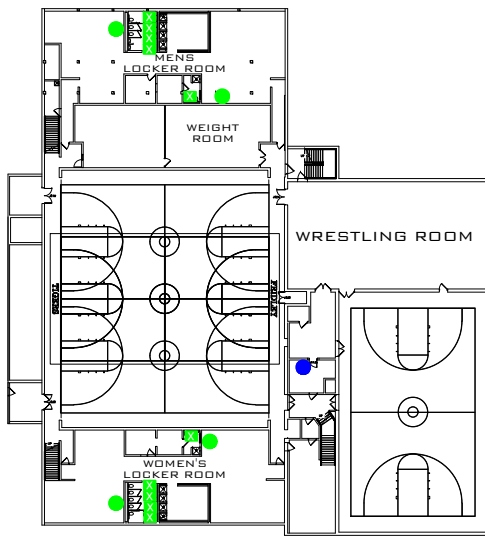
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Appendix B

Building Diagrams

- SINK
- WATER COOLER
- WATER COOLER W/ BOTTLE FILLER
- HOT WATER / COFFEE
- ✕ HANDWASHING
- ✕ NON-POTABLE





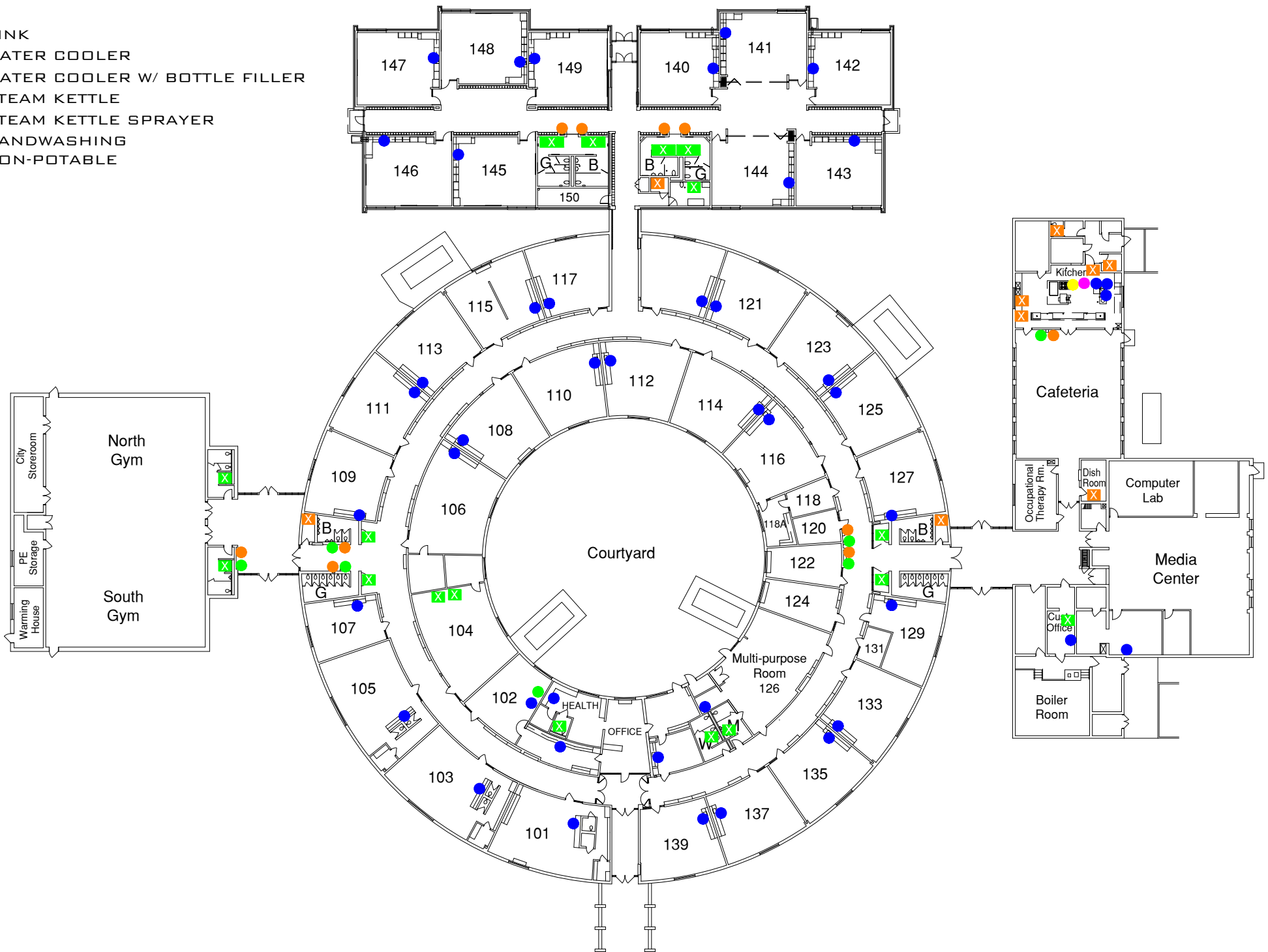
- X HANDWASHING
- SINK
- X NON-POTABLE
- DRINKING FOUNTAIN
- WATER COOLER
- WATER COOLER W/ BOTTLE FILLER
- SPRAYER
- STEAM KETTLE/BRAZING PAN SPRAYER
- REFRIGERATOR WATER DISPENSER
- HOT WATER / COFFEE



- SINK
- WATER COOLER
- WATER COOLER W/ BOTTLE FILLER
- SPRAYER
- STEAM KETTLE
- HOT WATER DISPENSER
- X HANDWASHING
- X NON-POTABLE



- SINK
- WATER COOLER
- WATER COOLER W/ BOTTLE FILLER
- STEAM KETTLE
- STEAM KETTLE SPRAYER
- ✕ HANDWASHING
- ✕ NON-POTABLE



- SINK
- WATER COOLER
- WATER COOLER W/ BOTTLE FILLER
- HOTWATER / COFFEE
- SPRAYER
- STEAM KETTLE
- STEAM KETTLE SPRAYER
- ✕ HANDWASHING
- ✕ NON-POTABLE

