April 16, 2024



Jason Bichler
Director of Buildings and Grounds
St. Michael-Albertville ISD #885
11343 50th Street NE
Albertville, MN 55301

RE: Lead-in-Water First Draw – Follow-up Testing #3
IEA Project #202310887

Dear Mr. Bichler:

At the request of St. Michael-Albertville ISD #885, IEA, Inc. (IEA) collected ten (10) follow-up water samples for lead analyses in response to previously elevated sample results. This current sampling occurred on April 4, 2024. The purpose of the sampling was to document lead content of water in the ten (10) locations post-remediation; to compare the results to initial "first draw" sampling conducted on November 14-15, 2023, and to document current lead content in the sampled locations regarding the district designated action level of 5 parts per billion (ppb).

INTRODUCTION

Minnesota Statute 121A.335 requires public school buildings serving pre-kindergarten through grade 12 to test for lead in potable water fixtures every five years. The 3Ts for Reducing Lead in Drinking Water Toolkit (2018) and the Lead Contamination Control Act (LCCA) of 1988 were created by the Environmental Protection Agency (EPA) to identify and reduce lead in drinking water. Lead is a metal that usually enters drinking water through the distribution system, including pipes, solders, faucets, and valves. Lead content in water may increase when the water is allowed to sit undisturbed in the system. Exposure to lead is a health concern.

The EPA recommends taking action when elevated lead levels are noted in water fixtures. The MDH and MDE recommend taking a fixture out of service if levels are 20 parts per billion (ppb) or higher. The MDH and MDE also recommend taking action according to their guidelines for fixtures with levels of 2 parts per billion (ppb) or higher.

First draw samples, collected on November 14-15, 2023, showed one hundred forty-five (145) samples had elevated lead content above the Action Level. This round of follow-up sampling is occurring to measure the lead content after new fixtures were installed.

METHODOLOGY

IEA collected ten (10) first-draw (unless otherwise noted) samples of approximately 250 milliliters (ml) of water. "First draw" means the samples are collected before the fixture is used or flushed during the day. The first-draw sample results reflect a worst-case scenario, i.e., the highest lead level that would be consumed by building occupants. MDH recommends water stand in pipes for at least 8 hours, but not more than 18 hours prior to sampling identified fixtures.

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

RESULTS & DISCUSSION

The lead-in-water sampling results ranged from 1.51 ppb to 9.8 ppb. These ten (10) locations are displayed in *Table 1: Water Testing Results*. The laboratory reports are provided in Appendix A. Laboratory results are reported in micrograms per liter (μ g/L) which is equivalent to ppb.

Table 1: Water Testing Results - November 14-15, 2023, and April 4, 2024

Sample		Sampling	Fixture	Remediation	Lead Resul	ts (ppb)
Sample Number	Building	Sampling Location	Type	Method	11/14/2023 or 11/15/2023	4/4/2024
04042024BW-1	Big Woods Elementary	Kitchen SE Kitchen	Sink	Fixture Replaced	9.28	6.09
04042024BW-2	Big Woods Elementary	Dish Room Middle Kitchen	Sink	Fixture Replaced	7.26	4.37
04042024BW-3	Big Woods Elementary	Dish Room SE Kitchen	Sink	Fixture Replaced	11.3	6.49
04042024BW-4	Elementary		Steam Kettle	Fixture Replaced	7.87	3.22
04042024BW-5	Big Woods Elementary	Kitchen Middle	Steam Kettle	Fixture Replaced	21	3.12
04042024BW-6	Big Woods Elementary	Kitchen SW	Sprayer	Fixture Replaced	22.5	9.8
04042024MSE-1	Middle School East	Kitchen West Wall North Kitchen	Sink	Fixture Replaced	15.1	2.84
04042024AP-1	Albertville Primary	Kitchen	Steam Kettle	Fixture Replaced	9.86	1.51
04042024MSW-1	Middle School West	Kitchen Main Room South	Sprayer	Fixture Replaced	16.3	8.04
04042024MSW-2	Middle School West	Kitchen East Room North Kitchen	Sink	Fixture Replaced	9.6	4.43

ppb - parts per billion

RECOMMENDATIONS

IEA recommends implementing one of the following treatment options for the four (4) fixtures with lead content exceeding the district designated action level of 5 ppb.

- The fixture should be removed from service by disconnecting it from the water supply and/or
 posting signs that the water is not potable and notify staff accordingly.
- Bottled water should be provided to occupants which meets FDA and state standards. A written statement from the bottled water distributor guaranteeing the standards are met should be filed with the district.
- Lead pipes on the property and district portion of the service line should be replaced.
- The plumbing system should be reconfigured to redirect the water to bypass any known sources of lead contamination.
- The fixture should be replaced with a "lead-free" fixture certified to NSF/ANSI 372 or NSF/ANSI 61-G. The *Reduction of Lead in Drinking Water Act* redefines "lead-free" as "not more than a weighted average of 0.25% lead when used with respect to wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures." Effective January 4, 2014, drinking water system components sold or installed must adhere to this new requirement.
- A drinking water treatment unit certified to NSF/ANSI 53 or NSF/ANSI 42 for lead reduction should be installed.
- Flush testing should be conducted in accordance with MDH, MDE, and EPA guidelines to determine
 if flushing will reduce lead content. If results indicate that flushing will reduce lead to acceptable
 levels:
 - A flushing program should be implemented which includes documentation of daily flushing and periodic program review.
 - It should be noted that elevated levels can return quickly following flushing depending upon the age and condition of the plumbing. The plumbing components should be replaced to ensure any repair or replacement is done using only "lead-free" solder can address high lead levels.
 - Existing wires in the building that could be grounded to lead piping should be checked, since the
 electrical current produced may accelerate the corrosion of the pipes. The wires could also be
 checked to find an alternative grounding system.

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

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

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

GENERAL CONDITIONS

The analysis and opinions expressed in this report are based upon data obtained from St. Michael-Albertville ISD #885 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 #11536 dated August 15, 2023, regarding lead-in-water sampling for St. Michael-Albertville ISD #885, 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.

Daniel Holcomb, CSP, CHMM EH&S Senior Account Manager

DH/khb 04162024

Enc.

Appendix A

Laboratory Testing Reports and Building Maps



Account #:

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

Client:

PO:



Institute for Environmental Assessment (IEA)

Workorder: Albertville Primary (44842)

2190

Project #: 202310887

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:

aldel

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

202310887

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.



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: Albertville Primary (44842) Client: Institute for Environmental Assessment (IEA)

Analytical Results

 Lab ID:
 44842001
 Date Collected:
 04/04/2024 06:50
 Matrix:
 Potable Water

 Sample ID:
 04042024AP-1
 Date Received:
 04/05/2024 14:14

Temp @ Receipt (C):

Sample Desc: Kitchen-STK

Parameter Results Units MCL Method Analyzed Qual

Lead 1.51 ug/L 15 EPA 200.8 04/10/2024 17:34





Workorder: Albertville Primary (44842)

Client:

Institute for Environmental Assessment (IEA)

Institute for Environmental

WO: 44842





Workorder: Albertville Primary (44842) Client: Institute for Environmental Assessment (IEA)

					Cł	nain of C	ustody			B	y North, Suite 600 n Park, MN 55445 1.800.233.9513
Client Name		St. Michael-Albertville ISD #885		Building Name		Albertvil	le Primary	Analytical Lab			MVTL
Contact Name	Emma Sq	uires-Sperling Daniel Holco	mb	Project #		2023	10887	Project Name			2023-2024 STMA LIW
Phone N		763-315-7900		IEA Fax #		763-3	15-7927	Written Sample Results To			lab@ieasafety.com
Other Information											
Sampled By		Daniel Holcomb	Date	4/4/2024	Time	6:50 A.M.	Analyzed By (Company)		Analyst		Date & Time
Reviewed By			Date		Time		85				
Shipped By		Daniel Holcomb	Date	4/5/2024	Time	9:00 A.M.	Turnaround Time			Notes	
Received By			Date		Time		Sample Condition			Temperature	
	Sample			Sample Typ	e	1.5		Volume/			
Lab Number	Number	Sample Location	Water	Soil	Other	Date S	ampled	Bottle Type	Analysis Required		
100	04042024AP-1	Kitchen - STK	х			4/4	/2024	250mL unpreserved	Lead		
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								250mL unpreserved	Lead		

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.

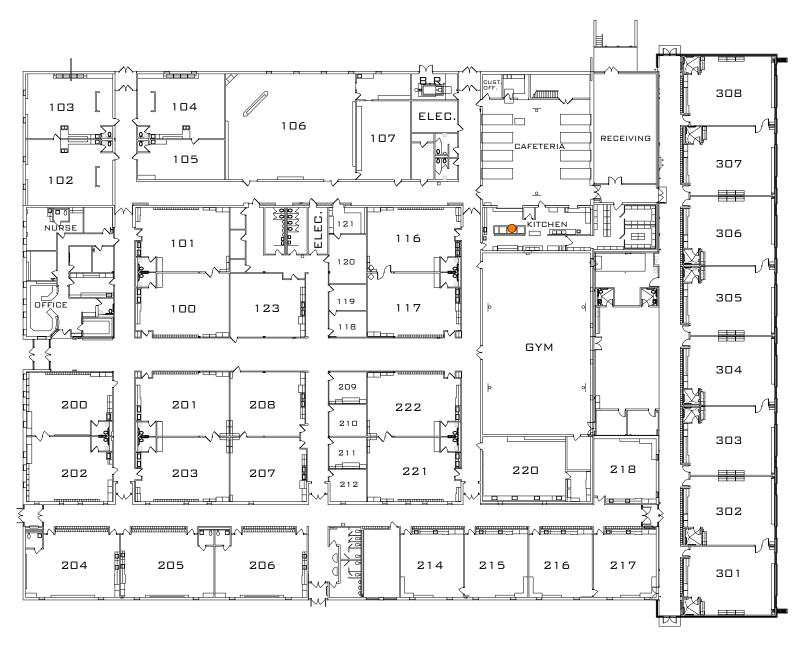




Workorder: Albertville Primary (44842) Client: Institute for Environmental Assessment (IEA)

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TM#:	Dan			*		Other:	w Jr. Al. F			SpeeDe	ee 🗌	
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	Low Level Mercury Kit	Clear	Amber		Me	.OH	None			n/s		
	4 oz Jar	Clear	Ambei		Me	OH	None ·			n/a		
	2 oz Jar		Ambei		HCl	H ₃ PO ₄	H ₂ SO ₄ No	one ·		n/i		
	Vials Individual Set of 2 Set of 3	Clear	Ambe		HCI	. H ₃ PO ₄	H ₂ SO ₄ No	one		n/1	a	
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Account #:

MINNESOTA VALLEY TESTING LABORATORIES, INC.

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www.MVTL.com



Workorder: Big Woods Elementary (44839)

2190

Project #: 202310887

Client: Institute for Environmental Assessment (IEA)
PO: 202310887

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:

aldel

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

www.MVTL.com



Workorder: Big Woods Elementary (44839) Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 44839001 **Date Collected:** 04/04/2024 06:30 **Matrix:** Potable Water

Sample ID: 04042024BW-1 Date Received: 04/05/2024 14:14

Temp @ Receipt (C):

Sample Desc: Kitchen SE Kitchen SNK

Parameter Results Units MCL Method Analyzed Qual

Lead 6.09 ug/L 15 EPA 200.8 04/10/2024 17:18

Lab ID: 44839002 **Date Collected:** 04/04/2024 06:30 **Matrix:** Potable Water

Sample ID: 04042024BW-2 Date Received: 04/05/2024 14:14

Temp @ Receipt (C):

Sample Desc: Dishroom Middle Kitchen SNK

Parameter Results Units MCL Method Analyzed Qual

Lead 4.37 ug/L 15 EPA 200.8 04/10/2024 17:19

Lab ID: 44839003 **Date Collected:** 04/04/2024 06:30 **Matrix:** Potable Water

Sample ID: 04042024BW-3 Date Received: 04/05/2024 14:14

Temp @ Receipt (C):

Sample Desc: Dishroom SE Kitchen SNK

Parameter Results Units MCL Method Analyzed Qual

Lead 6.49 ug/L 15 EPA 200.8 04/10/2024 17:20

Lab ID: 44839004 **Date Collected:** 04/04/2024 06:30 **Matrix:** Potable Water

Date Received:

Sample ID: 04042024BW-4

Temp @ Receipt (C):

Sample Desc: Kitchen NW STK

Parameter Results Units MCL Method Analyzed Qual

04/05/2024 14:14

Lead 3.22 ug/L 15 EPA 200.8 04/10/2024 17:21

 Lab ID:
 44839005
 Date Collected:
 04/04/2024 06:30
 Matrix:
 Potable Water

 Sample ID:
 04042024BW-5
 Date Received:
 04/05/2024 14:14

Sample ID: 04042024BW-5 Temp @ Receipt (C):

Sample Desc: Kitchen Middle STK

Parameter Results Units MCL Method Analyzed Qual

Lead 3.12 ug/L 15 EPA 200.8 04/10/2024 17:22

 Lab ID:
 44839006
 Date Collected:
 04/04/2024 06:30
 Matrix:
 Potable Water

 Sample ID:
 04042024BW-6
 Date Received:
 04/05/2024 14:14

Sample ID: 04042024BW-6 Temp @ Receipt (C):

Sample Desc: Kitchen SW SPR

Parameter Results Units MCL Method Analyzed Qual

Lead 9.80 ug/L 15 EPA 200.8 04/10/2024 17:30





Workorder: Big Woods Elementary (44839)

Client:

Institute for Environmental Assessment (IEA)

Institute for Environmental

WO: 44839



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Workorder: Big Woods Elementary (44839) Client: Institute for Environmental Assessment (IEA)

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Client Name		St. Michael-Albertville ISD #885		Building Name		Big Woods	Elementary	Analytical Lab			MVTL
Contact Name	Emma Sqi	uires-Sperling Daniel Holcor	mb	Project #			10887	Project Name			2023-2024 STMA LIW
Phone #		763-315-7900		IEA Fax II			15-7927	Written Sample Results To			lab@ieasafety.com
Other Information											
Other Information											
Sampled By		Daniel Holcomb	Date	4/4/2024	Time	6:30 A.M	Analyzed By (Company)		Analyst		Date & Time
Reviewed By			Date		Time						
Shipped By	8 .	Daniel Holcomb	Date	4/5/2024	Time	9:00 A.M.	Turnaround Time		-	Notes	
Received By			Date		Time		Sample Condition			Temperature	
Lab Number	Sample	Sample Location		Sample Typ	e	Date 5	ampled	Volume/	Analysis		Comments & Observations
	Number		Water	Soil	Other			Bottle Type	Required		
	04042024BW-1	Kitchen SE Kitchen - SNK	х			4/4	/2024	250mL unpreserved	Lead		
2	04042024BW-2	Dishroom Middle Kitchen - SNK	Х		-		/2024	250mL unpreserved	Lead		
	04042024BW-3	Dishroom SE Kitchen - SNK	Х		-		/2024	250mL unpreserved	Lead		
5	04042024BW-4 04042024BW-5	Kitchen NW - STK	×	-	+		/2024	250mL unpreserved	Lead		
	04042024BW-6	Kitchen Middle - STK Kitchen SW - SPR	×		+		/2024	250mL unpreserved 250mL unpreserved	Lead Lead		
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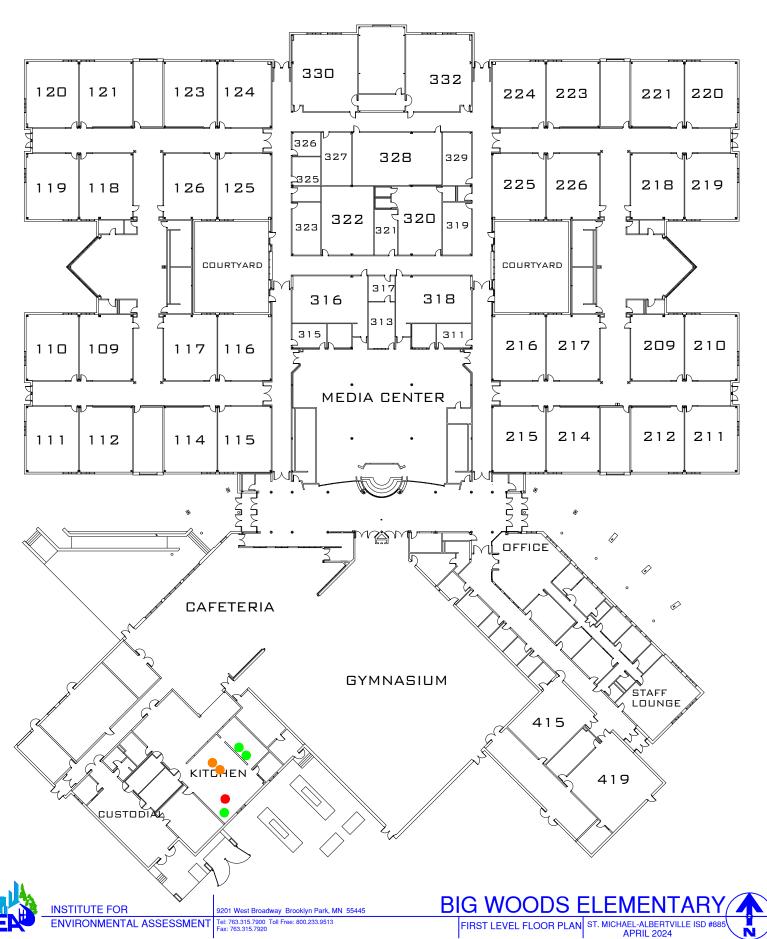




Workorder: Big Woods Elementary (44839) Client: Institute for Environmental Assessment (IEA)

Date;	LABORATORIES, Inc. 1-800-782-3	1557	1414	AMP M PM	By: SP				
Account Nan	ne TEA/BW		•				7		
			* 1		Cooler#:	~			
Bill of Lading Temp:	20.0 ℃	ROI □		Amblent 🖾	Tracking #:		<u>· </u>		
TM#:	870	Ice Crystals P	resent in Sampl	е□	Other:	_	,		
MVTL Route	e: Metro	Walk-in	-lanata gustame	UPS Alr ☐ UPS Ground ☐ r supplied containers as	Fe	FedEx Alr d Ex Ground liner size column		SpeeDee	□ .
Containers :	Supplied by MVTL: Yes 🔀 No	De:	signate custome	топрион				pH.	
Comments:	Containers Size (mL)	Cont	ainer Type		Preservati		<2	>9 >12(N/A Add
Number	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P)	(AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₄	NONE THNO	H ₂ SO ₄ NaOH HCI SUB*	<2	>9 >12	N/A Add
6		(G) (P)	(AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂	NONE HNO8	H₂SO ₄ NaOH HCI SUB*		>9 >12	N/A Add
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	Viais individual Data -	Clear	Amber	HCI	. H ₃ PO ₄	H ₂ SO ₄ None		/	
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	Molsture Vial					n/a .			_
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Account #:

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: Middle School East (44840)

2190

Project #: 202310887

Client: Institute for Environmental Assessment (IEA)
PO: 202310887

202010001

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:

aldel

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: Middle School East (44840) Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 44840001 **Date Collected:** 04/04/2024 14:14 **Matrix:** Potable Water

Sample ID: 04042024MSE-1 Date Received: 04/05/2024 14:14

Temp @ Receipt (C):

Sample Desc: Kitchen West Wall North Kitchen-SNK

Parameter Results Units MCL Method Analyzed Qual

Lead 2.84 ug/L 15 EPA 200.8 04/10/2024 17:31





Workorder: Middle School East (44840)

Client:

Institute for Environmental Assessment (IEA)

Institute for Environmental

WO: 44840







Workorder: Middle School East (44840) Client: Institute for Environmental Assessment (IEA)

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											, b	
					Cl	hain of C	ustody		9201 763.3	West Broadway Brooklyr 15.7900	North, Suite 600 Park, MN 55445 1.800.233.9513	
Client Name		St. Michael-Albertville ISD #885		Building Name		Middle Si	chool East	Analytical Lab			MVTL	7
Contact Name	Emma Sq	uires-Sperling Daniel Holcor	mb	Project #		2023	10887	Project Name		- 4	2023-2024 STMA LIW	1
Phone #		763-315-7900		IEA Fax II		763-31	15-7927	Written Sample Results To			lab@ieasafety.com	-
Other Information												1
Sampled By		Daniel Holcomb	Date	4/4/2024	Time	6:45:00 A.M.	Analyzed By (Company)		Analyst		Date & Time	1
Reviewed By			Date		Time		(Company)					
Shipped By		Daniel Holcomb	Date	4/5/2024	Time	9:00 A.M.	Turnaround Time			Notes		1
Received By			Date		Time		Sample Condition			Temperature		1
Lab Number	Sample Number	Sample Location	ter	Sample Typ	_	— Date Sa	ampled	Volume/ Bottle Type	Analysis Required		Comments & Observations	
	124		Water	Soil	Other			Mark att				
101	04042024MSE-1	Kitchen West Wall North Kitchen - SNK	х			4/4/	2024	250mL unpreserved	Lead]
									H	LP	5Apr24 1414	An
								21	? 5	Apr	24 1414 AMB 20.0 8	

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.

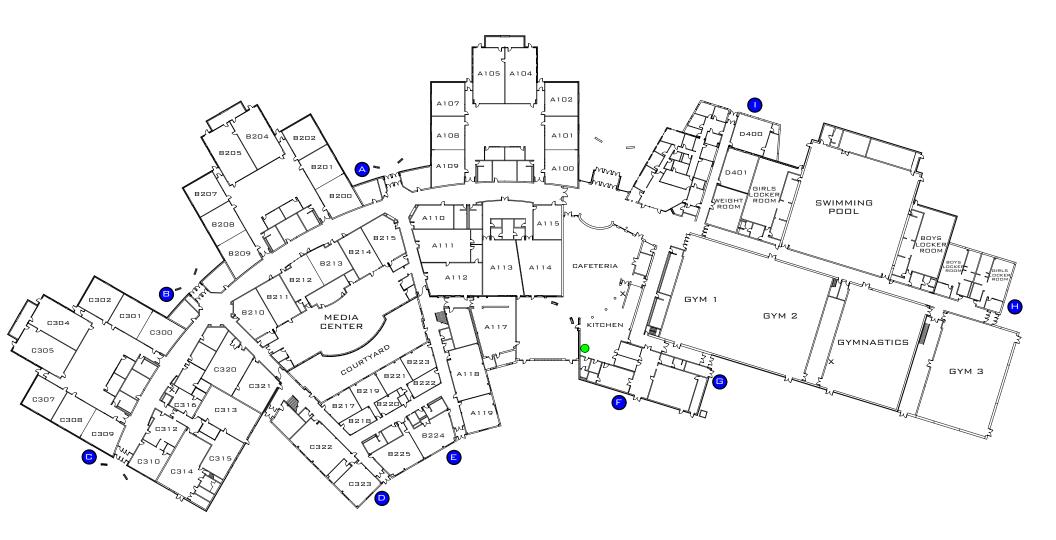




Workorder: Middle School East (44840) Client: Institute for Environmental Assessment (IEA)

MVTL LABORATORIES, Inc. 1-800-78		AM,	ву: 5Р	
Date; 5 Apr 24		_ X PM		
Account Name: IEA/ MSE			Account#	- :
	٠.	*	Cooler#:	<u>: </u>
Bill of Lading #:		M	_	
Temp: 20.0 °C	ROI 🗆	Amblent 🖾	Tracking #:	
. 0 72	Ice Crystals Present In Sampl	e 🗆	_	•
			Other:	1
MVTL Courier: Dan	- .; ``		FedEx Alr	SpeeDee
MVTL Route: Metro	Walk-In 🗌	UPS AIr	Fed Ex Ground	·
MATERIORIO	Mall 🔲	UPS Ground	"Other" in container size column	4
Containers Supplied by MVTL: Yes X.	lo Designate custome	r supplied colltainers as	·	
Comments: Number Containers Size (mL)	Container Type		Preservation	рН
Number	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂	NONE HNO3 H2SO4 NaOH HCI SUB*	<2 >9 >12(N/A) Add
(100) (120) (125) (250) (290) (500) (1000) Other	197 (17)		NONE HNO3 H2SO4 NaOH HCI SUB*	<2 >9 >12 N/A Add
(100) (120) (125) (250) (290) (500) (1000) Other	(-)		NONE HNO3 H2SO4 NaOH HCI SUB*	<2 >9 >12 N/A Add
(100) (120) (125) (250) (290) (500) (1900) Other	(G) (P) (AG) (AP)			<2 >9 >12 N/A Add
+ (100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	Parameter	NONE HNO ₃ H ₂ SO ₄ NaOH HCI SUB*	
(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂	NONE HNO3 H2SO4 NaOH HCI SUB*	
	(G) (P) (AG) (AP)	NaHSO ₄ Na ₂ O ₃ S ₂	NONE HNO3 H2SO4 NaOH HCI SUB*	<2 >9 >12 N/A Add
(100) (120) (125) (250) (290) (500) (1000) Other	(0) (1) (1)		NONE HNO3, H2SO4 NaOH HCI SUB*	<2 >9 >12 N/A Add
(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (AP)		THE PLASTIC BAGS HOLDING THE SAMPLE BO	TTLESII**
Low Level Mercury Kit	1			n/a
4 oz Jar	Clear Amber	M	leOH None .	n/a
2 oz Jar	Clear Amber	. M	leOH None	n/a
Vials Individual Set of 2 Set of 3	Clear Amber	HCl	H ₃ PO ₄ H ₂ SO ₄ None	1
Viais Individual Set of 2 · Set of 3	Clear Amber	HCI	. H ₃ PO ₄ H ₂ SO ₄ None	n/a
Trip Blank Individual Set of 2 Set of 3			n/a	
Molsture Vial			n/a	
Marria Bottlo			n/a	
*ANY CONTAINER SENT TO A SUBCONTRACT LAB	ORATORY WILL NOT BE C	HECKED FOR PRESE	ERVATION!	











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

www.MVTL.com



Workorder: Middle School West (44841)

Client:

Institute for Environmental Assessment (IEA)

Account #: 2190

PO: 202310887

Project #: 202310887

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:

aldel

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

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Workorder: Middle School West (44841) Client: Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID: 44841001 **Date Collected:** 04/04/2024 07:00 **Matrix:** Potable Water

Sample ID: 04042024MSW-1 Date Received: 04/05/2024 14:14

Temp @ Receipt (C):

Sample Desc: Kitchen Main Room South SPR

Parameter Results Units MCL Method Analyzed Qual

Lead 8.04 ug/L 15 EPA 200.8 04/10/2024 17:32

Lab ID: 44841002 **Date Collected:** 04/04/2024 07:00 **Matrix:** Potable Water

Sample ID: 04042024MSW-2 Date Received: 04/05/2024 14:14

Temp @ Receipt (C):

Sample Desc: Kitchen East Room North Kitchen SNK

 Parameter
 Results
 Units
 MCL
 Method
 Analyzed
 Qual

 Lead
 4.43
 ug/L
 15
 EPA 200.8
 04/10/2024 17:33





Workorder: Middle School West (44841)

Client:

Institute for Environmental Assessment (IEA)

Institute for Environmental

WO: 44841





Workorder: Middle School West (44841) Client: Institute for Environmental Assessment (IEA)

					Ch	nain of C	ustody		9201 V 763.31	West Broadway Brooklyn 5.7900	North, Suite 600 Park, NN 55445 1,800,233,9513
Client Name		St. Michael-Albertville ISD #885		Building Name		Middle S	chool West	Analytical Lab			MVTL
Contact Name	Emma Squ	uires-Sperling Daniel Holcon	nb	Project #		2023	10887	Project Name			2023-2024 STMA LIW
Phone II		763-315-7900		IEA Fax II		763-3	15-7927	Written Sample Results To			lab@ieasalety.com
Other Information											
Sampled By		Daniel Holcomb	Date	4/4/2024	Time	7:00 AM	Analyzed By (Company)		Analyst		Date & Time
Reviewed By			Date		Time						
Shipped By		Daniel Holcomb	Date	4/5/2024	Time	9:00 AM	Turnaround Time Sample Condition			Notes Temperature	
Received By	Sample		Date	Sample Typ				Volume/	Analysis	Temperature	
Lab Number	Number	Sample Location	Water	Soil	Other	- Date S	ampled	Bottle Type	Required		Comments & Observations
1	04042024MSW-1	Kitchen Main Room South - SPR	х				/2024	250mL unpreserved	Lead		
2	04042024MSW-2	Kitchen East Room North Kitchen - SNK	х			4/4	/2024	250mL unpreserved	Lead		
								your	5 Apr	24	1414 1414

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Workorder: Middle School West (44841) Client: Institute for Environmental Assessment (IEA)

MV	TL LABORATORIES, Inc. 1-800-782-7	3557	· · · · · · · · · · · · · · · · · · ·		 ву: SP	·			.1.
Date;	5 Apr 24	Time:	1414	_ X PM					
Account Na	TEA MASULE				Account#		i i	las so '	1 8000 1
(CCOUNT IN			Ε,	ŀ	Cooler#:				
Bill of Ladin	g#:		,	Amblent 🛛	Tracking #:	-	١		
Temp:	20.0 °C	ROI [1	Ambient 123	,				
TM#:	870	Ice Crystals	Present in Samp	ole 🗆			,		
	D. 0				Other:			SpeeDee	
MVTL Cou	المام	Walk-In		UPS Alr UPS Ground		FedEx Alr ad Ex Ground			
	Supplied by MVTL: Yes X. No	Mall [_l esignate custom	er supplied containers as	'Other" in cont	alner size column		pH:	
Comment		Con	tainer Type		Preservat		T		N/A Add
Number	Containers Size (mL)	-	<u> </u>	NaHSO ₄ Na ₂ O ₃ S ₄	NONE HNO3	H ₂ SO ₄ NaOH HCl SUB*	<2	>9 >12(<u></u>
2	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P)			NONE HNO3	H ₂ SO ₄ NaOH HCl SUB*	<2	>9 >12	N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P)		Nariso4 Mazosaz	NONE HNO	H ₂ SO ₄ NaOH HCl SUB*	<2	>9 >12	N/A Add
-71	(100) (120) (125) (250) (290) (500) (1900) Other	(G) (P)			NONE HNO	H ₂ SO ₄ NaOH HCI SUB*	<2	>9 >12	N/A Add
	4 (100) (120) (125) (250) (290) (500) (1000) Other	(G) (P)				H ₂ SO ₄ NaOH HCI SUB*	<2	>9 >12	N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P)) (AG) (A	P) NaHSO ₄ Na ₂ O ₃ S ₂	NONE TINO	H ₂ SO ₄ NaOH HCl SUB*	<2	>9 >12	N/A Add
	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (A	P) NaHSO ₃ Na ₂ O ₃ S ₂	NONE HNO	H.CO. NoOH HCI SUB*	<2	>9 >12	N/A Add
`	(100) (120) (125) (250) (290) (500) (1000) Other	(G) (P) (AG) (A	P) NaHŞO ₄ Na ₂ O ₈ S ₂	NONE HINDS	, H ₂ SO ₄ NaOH HCI SUB*	TTLES II**		* "
	Low Level Mercury Kit					GS HOLDING THE SAMPLE BO	T	n/a	
		Clear	Amber	N	eOH	None .	-	n/a	
	4 oz Jar	Clear	r Amber	. N	eOH	None ·	-	n/a	
	2 oz Jar Vials Individual Set of 2 Set of 3	Clear	r Amber	HCl	H _B PO ₄	H ₂ SO ₄ None	1	n/a	
	Viais individual Section 2	Clear	r Amber	HCI	. H ₃ PO ₄	H ₂ SO ₄ None			
	Viais mulvidual Second					n/a		$\overline{}$	
	Trip blank marriage.	-				n/a	·		
	Molsture VIal	-				n/a			_
	Manure Bottle ONTAINER SENT TO A SUBCONTRACT LABO	ORATORY	WILL NOT BE	CHECKED FOR PRES	ERVATION				/

