

**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: WEAC Middle,Kennedy&Jefferson (47403) **Client:** Institute for Environmental Assessment (IEA)
Account #: 2190 **PO:** 202410037
Project #: 202410037

Emma Squires-Sperling
IEA / Brooklyn Park
9201 W Broadway Suite #600
Brooklyn Park, MN 55445

Certificate of Analysis**Approval**

All data reported has been reviewed and approved by:

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

Analyses performed under Minnesota Department of Health Accreditation conforms to the current TNI standards.

NEW ULM LAB CERTIFICATIONS:
MN LAB # 027-015-125ND WW/DW # R-040

BISMARCK LAB CERTIFICATIONS:
MN LAB # 038-999-267ND W/DW # ND-016

Workorder Comments

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

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Report Date: Thursday, May 16, 2024 11:49:45 AM

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Workorder: WEAC Middle,Kennedy&Jefferson (47403) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lab ID:	47403001	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-01	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Room 252 Kaffe					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.29	ug/L	15	EPA 200.8	05/15/2024 19:30	

Lab ID:	47403002	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-01	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Kitchen Prep Front Prep Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:31	

Lab ID:	47403003	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-02	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Cafeteria Bottle Filler					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:44	

Lab ID:	47403004	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-03	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Cafeteria Fountain					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:45	

Lab ID:	47403005	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-04	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Lounge Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:46	

Lab ID:	47403006	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water
Sample ID:	042924-WILLMAR-05	Date Received:	05/03/2024 11:00		
Temp @ Receipt (C):					
Sample Desc:	153 Choir Bottle Filler				

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: WEAC Middle,Kennedy&Jefferson (47403) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:47	
Lab ID: 47403007 Date Collected: 05/01/2024 06:00 Matrix: Potable Water Sample ID: 042924-WILLMAR-06 Date Received: 05/03/2024 11:00 Temp @ Receipt (C): Sample Desc: 153 Choir Fountain						
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:48	
Lab ID: 47403008 Date Collected: 05/01/2024 06:00 Matrix: Potable Water Sample ID: 042924-WILLMAR-07 Date Received: 05/03/2024 11:00 Temp @ Receipt (C): Sample Desc: Hallway 101 Bottle Filler						
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:49	
Lab ID: 47403009 Date Collected: 05/01/2024 06:00 Matrix: Potable Water Sample ID: 042924-WILLMAR-08 Date Received: 05/03/2024 11:00 Temp @ Receipt (C): Sample Desc: Hallway 101 Fountain						
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 19:50	
Lab ID: 47403010 Date Collected: 05/01/2024 06:00 Matrix: Potable Water Sample ID: 042924-WILLMAR-09 Date Received: 05/03/2024 11:00 Temp @ Receipt (C): Sample Desc: Room 116 Bubbler						
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	1.24	ug/L	15	EPA 200.8	05/15/2024 19:51	
Lab ID: 47403011 Date Collected: 05/01/2024 06:00 Matrix: Potable Water Sample ID: 042924-WILLMAR-10 Date Received: 05/03/2024 11:00 Temp @ Receipt (C): Sample Desc: Room 110 Bubbler						
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.67	ug/L	15	EPA 200.8	05/15/2024 19:52	

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Analytical Results

Lab ID: 47403012 **Date Collected:** 05/01/2024 06:00 **Matrix:** Potable Water
Sample ID: 042924-WILLMAR-11 **Date Received:** 05/03/2024 11:00
Temp @ Receipt (C):
Sample Desc: Kitchen Faucet Left

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	0.57	ug/L	15	EPA 200.8	05/15/2024 19:53	

Lab ID: 47403013 **Date Collected:** 05/01/2024 06:00 **Matrix:** Potable Water
Sample ID: 042924-WILLMAR-12 **Date Received:** 05/03/2024 11:00
Temp @ Receipt (C):
Sample Desc: Kitchen Faucet Right

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 20:02	

Lab ID: 47403014 **Date Collected:** 05/01/2024 06:00 **Matrix:** Potable Water
Sample ID: 042924-WILLMAR-13 **Date Received:** 05/03/2024 11:00
Temp @ Receipt (C):
Sample Desc: Hallway 108 Bottle Filler

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 20:03	

Lab ID: 47403015 **Date Collected:** 05/01/2024 06:00 **Matrix:** Potable Water
Sample ID: 042924-WILLMAR-14 **Date Received:** 05/03/2024 11:00
Temp @ Receipt (C):
Sample Desc: Hallway 108 Fountain

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	<0.5	ug/L	15	EPA 200.8	05/15/2024 20:04	

Lab ID: 47403016 **Date Collected:** 05/01/2024 06:00 **Matrix:** Potable Water
Sample ID: 042924-WILLMAR-15 **Date Received:** 05/03/2024 11:00
Temp @ Receipt (C):
Sample Desc: Room 107 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	6.58	ug/L	15	EPA 200.8	05/15/2024 20:05	

Lab ID: 47403017 **Date Collected:** 05/01/2024 06:00 **Matrix:** Potable Water
Sample ID: 042924-WILLMAR-16 **Date Received:** 05/03/2024 11:00
Temp @ Receipt (C):
Sample Desc: Room 106 Faucet

Parameter	Results	Units	MCL	Method	Analyzed	Qual
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Workorder: WEAC Middle,Kennedy&Jefferson (47403) **Client:** Institute for Environmental Assessment (IEA)

Analytical Results

Lead	7.83	ug/L	15	EPA 200.8	05/15/2024 20:06	
<hr/>						
Lab ID:	47403018	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-17	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Gym Bottle Filler					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	8.85	ug/L	15	EPA 200.8	05/15/2024 20:07	
<hr/>						
Lab ID:	47403019	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-18	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Gym Fountain					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	5.83	ug/L	15	EPA 200.8	05/15/2024 20:08	
<hr/>						
Lab ID:	47403020	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-19	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Room 105 Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.30	ug/L	15	EPA 200.8	05/15/2024 20:09	
<hr/>						
Lab ID:	47403021	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-20	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Room 104 Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.37	ug/L	15	EPA 200.8	05/15/2024 20:10	
<hr/>						
Lab ID:	47403022	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-21	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Room 101A Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	3.57	ug/L	15	EPA 200.8	05/15/2024 20:11	

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Analytical Results

Lab ID:	47403023	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-22	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Room 103 Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	2.12	ug/L	15	EPA 200.8	05/15/2024 20:19	

Lab ID:	47403024	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-23	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Room 102 Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	4.53	ug/L	15	EPA 200.8	05/15/2024 20:20	

Lab ID:	47403025	Date Collected:	05/01/2024 06:00	Matrix:	Potable Water	
Sample ID:	042924-WILLMAR-24	Date Received:	05/03/2024 11:00			
Temp @ Receipt (C):						
Sample Desc:	Room 101 Faucet					
Parameter	Results	Units	MCL	Method	Analyzed	Qual
Lead	18.1	ug/L	15	EPA 200.8	05/15/2024 20:21	

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1 of 3

Chain of Custody

9201 West Broadway North, Suite 600
Bismarck, ND 58503
763.315.7900 • 1.800.233.9513

47403

Client Name		Willmar Public Schools		Building Name		WEAC, Middle School, Kennedy, & Jefferson LC		Analytical Lab		MVTL	
Contact Name		Aaron Hess		Project #		202410037		Project Name		Willmar - 2024 Lead in Water Sampling	
Phone #		507-829-7372		IEA Fax #				Written Sample Results To		aaron.hess@ieasafety.com	
Other Information											
Sampled By		Aaron Hess		Date		5/1/2024		Time		6:00 AM	
Shipped By		MVTL 1126 N Front St Building #New Ulm, MN 56073		Date		5/3/2024		Time		Turnaround Time	
Received By				Date				Sample Condition		Temperature	
Lab Number	Sample Number	Sample Location (EX: Kitchen Room 123 NW Corner Left - KS)	Sample Type			Date Sampled	Time Sampled	Volume/ Bottle Type	Analysis Required	Comments & Observations	
			Water	Soil	Other						
	042924-WILLMAR-01	Room 252 Kaffe	X			4/29/2024	8:00 AM	250 ml unpreserved	Lead	WEAC	
	050124-WILLMAR-01	Kitchen Prep Front Prep Faucet	X			5/1/2024	6:00 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-02	Cafeteria Bottle Filler	X			5/1/2024	6:02 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-03	Cafeteria Fountain	X			5/1/2024	6:02 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-04	Lounge Faucet	X			5/1/2024	6:04 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-05	153 Choir Bottle Filler	X			5/1/2024	6:04 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-06	153 Choir Fountain	X			5/1/2024	6:05 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-07	Hallway 101 Bottle Filler	X			5/1/2024	6:08 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-08	Hallway 101 Fountain	X			5/1/2024	6:08 AM	250 ml unpreserved	Lead	Willmar Middle School	
	050124-WILLMAR-09	Room 116 Bubblers	X			5/1/2024	6:25 AM	250 ml unpreserved	Lead	Kennedy Elementary	
	050124-WILLMAR-10	Room 110 Bubblers	X			5/1/2024	6:27 AM	250 ml unpreserved	Lead	Kennedy Elementary	
	050124-WILLMAR-11	Kitchen Faucet Left	X			5/1/2024	6:40 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-12	Kitchen Faucet Right	X			5/1/2024	6:41 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-13	Hallway 108 Bottle Filler	X			5/1/2024	6:43 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-14	Hallway 108 Fountain	X			5/1/2024	6:43 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-15	Room 107 Faucet	X			5/1/2024	6:45 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-16	Room 106 Faucet	X			5/1/2024	6:46 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-17	Gym Bottle Filler	X			5/1/2024	6:47 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-18	Gym Fountain	X			5/1/2024	6:47 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-19	Room 105 Faucet	X			5/1/2024	6:48 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-20	Room 104 Faucet	X			5/1/2024	6:49 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-21	Room 101A Faucet	X			5/1/2024	6:51 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-22	Room 103 Faucet	X			5/1/2024	6:53 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-23	Room 102 Faucet	X			5/1/2024	6:54 AM	250 ml unpreserved	Lead	Jefferson Learning Center	
	050124-WILLMAR-24	Room 101 Faucet	X			5/1/2024	6:58 AM	250 ml unpreserved	Lead	Jefferson Learning Center	

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

Brian Williams 17.2 774 11:00 3 May 24 CM AM 6 3 May 24 1100 17.2C 774

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Workorder: WEAC Middle, Kennedy & Jefferson (47403) **Client:** Institute for Environmental Assessment (IEA)

**Sample Condition Checklist**

Date: 3 May 24 Time: 1100 ☒ AM ☐ PM By: CM
Account Name: IEA - Willmar Account #: _____
Bill of Lading #: _____ Cooler #: _____
Temp: 17.2 °C ROI: ☐ Ambient: ☒ Tracking #: _____
TMI: 779 Ice Crystals Present in Sample ☐ Other: _____
MVTL Courier: Brian Williams
MVTL Route: _____ 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:														Preservation								pH											
Number		Containers Size (mL)								Container Type																							
25		(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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MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Report Date: Thursday, May 16, 2024 11:49:45 AM

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