DEPARTMENT OF HEALTH

Protecting, Maintaining and Improving the Health of All Minnesotans

To: Community Water System Owner/Operator

From: Community Water Supply Unit
Section of Drinking Water Protection

Subject: Sample Analysis Results for your Public Water System

Enclosed are the results of analyses performed on water sample(s) collected from your public water system. These results show that your system is in compliance with maximum contaminant levels set by the state and federal Safe Drinking Water Rules for the contaminants analyzed. These results must be kept in your files for a minimum of ten (10) years.

Analyses are attached for the contaminant groups checked below:

- ☐ Ammonia
- ☐ Coliform Bacteria
- ☒ Inorganics
- ☐ Nitrate
- ☐ Nitrite
- ☐ Radiochemical(s)
- ☐ Radon (proposed rule-MCL 4000)
- ☐ Synthetic Organics
- ☐ Trihalomethanes/Haloacetic Acids
- ☐ Volatile Organics
- ☐ Other

If you have any questions concerning these results, please contact your Department of Health district engineer.

Bemidji
Eric Weller 218/308-2107

Duluth
Mike Luhrsen 218/302-6178

Fergus Falls
Lucas Hoffman 218/332-5146

Mankato
Amy Lynch 507/344-2713

Marshall
John Blomme 507/476-4238

Rochester
Kate Callais 507/206-2724

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Jennifer Soltys 320/223-7340

St. Paul
Lucas Martin 651/201-4144
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Brian Noma 651/201-3971

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Final Report

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 1700021
System Name: Westridge Lake Estates
City: Shakopee

Program Code: HC

Type: B

Date Received: 08/27/21 07:22
Rep. Temp. (°C): 4.9

Collector Name: Jessie Kolar
Collector ID: 8106

MDH Sample Number: 21H2331-01

Location ID: D01
Sampling Point: Distribution

Collect Date: 08/26/21
Collect Time: 10:00
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO_4 Result: None

Results were produced by the Minnesota Department of Health, except where noted.

General Chemistry Parameters

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
Fluoride, Total	<	0.20	mg/L	B1I0771	09/08/21 09:05	09/08/21 17:32	NMT	SM 4500-F C 22nd ED	

MDH Sample Number: 21H2331-02

Location ID: E03
Sampling Point: COMBINED DISCHARGE

Collect Date: 08/26/21
Collect Time: 10:05
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO_4 Result: None

Results were produced by the Minnesota Department of Health, except where noted.

General Chemistry Parameters

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
Sulfate	**28.2**	0.50	mg/L	B1I0663	09/01/21 12:21	09/10/21 15:40	NMT	EPA 300.1	

Metal Parameters

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
Sodium	**5.94**	0.50	mg/L	B1I0803	09/09/21 11:39	09/10/21 10:46	DVH	EPA 200.7	

Authorized by:

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Paul Moyer, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

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Batch B1I0663 - General Chemistry Prep

Blank (B1I0663-BLK1) — Prepared: 09/01/21 12:21 Analyzed: 09/10/21 11:54

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	<	0.50	mg/L							NMT	

LCS (B1I0663-BS1) — Prepared: 09/01/21 12:21 Analyzed: 09/10/21 12:13

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	101		mg/L	100.02		101	85-115			NMT	

Duplicate (B1I0663-DUP1) — Source: 21H2069-01 Prepared: 09/01/21 12:21 Analyzed: 09/10/21 12:51

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	17.2	0.50	mg/L		17.2			0.1	10	NMT	

Duplicate (B1I0663-DUP2) — Source: 21H2074-01 Prepared: 09/01/21 12:21 Analyzed: 09/10/21 13:29

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	73.4	0.50	mg/L		73.4			0.07	10	NMT	

Matrix Spike (B1I0663-MS1) — Source: 21H2077-01 Prepared: 09/01/21 12:21 Analyzed: 09/10/21 14:06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	106		mg/L	100.02		106	75-125			NMT	

Matrix Spike (B1I0663-MS3) — Source: 21H2228-01RE1 Prepared: 09/01/21 12:21 Analyzed: 09/16/21 13:47

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	1660	2.50	mg/L	500.1	1160	101	75-125			NMT	D2

Batch B1I0771 - General Chemistry Prep

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Batch B1I0771 - General Chemistry Prep

Blank (B1I0771-BLK1) — **Prepared: 09/08/21 09:05 Analyzed: 09/08/21 17:03**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Fluoride, Total	<	0.20	mg/L							NMT	

LCS (B1I0771-BS1) — **Prepared: 09/08/21 09:05 Analyzed: 09/08/21 17:06**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Fluoride, Total	1.99		mg/L	2		100	90-110			NMT	

Duplicate (B1I0771-DUP1) — Source: 21H2285-01 — **Prepared: 09/08/21 09:05 Analyzed: 09/08/21 17:12**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Fluoride, Total	0.51	0.20	mg/L		0.51			0	10	NMT	

Matrix Spike (B1I0771-MS1) — Source: 21H2311-01 — **Prepared: 09/08/21 09:05 Analyzed: 09/08/21 17:18**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Fluoride, Total	3.10		mg/L	2		98	90-110			NMT	

Matrix Spike Dup (B1I0771-MSD1) — Source: 21H2311-01 — **Prepared: 09/08/21 09:05 Analyzed: 09/08/21 17:21**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Fluoride, Total	3.13		mg/L	2		99	90-110	0.9	10	NMT	

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Batch B1I0803 - Metals Prep

Blank (B1I0803-BLK1) — Prepared: 09/09/21 11:39 Analyzed: 09/10/21 09:36

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sodium	<	0.50	mg/L							DVH	

LCS (B1I0803-BS1) — Prepared: 09/09/21 11:39 Analyzed: 09/10/21 09:38

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sodium	9.72		mg/L	10		97	85-115			DVH	

Duplicate (B1I0803-DUP1) — Source: 21H1762-01 — Prepared: 09/09/21 11:39 Analyzed: 09/10/21 09:47

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sodium	11.0	0.50	mg/L		11.4			4	20	DVH	

Duplicate (B1I0803-DUP2) — Source: 21H2329-01 — Prepared: 09/09/21 11:39 Analyzed: 09/10/21 10:28

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sodium	5.58	0.50	mg/L		5.51			1	20	DVH	

Matrix Spike (B1I0803-MS1) — Source: 21H1762-01 — Prepared: 09/09/21 11:39 Analyzed: 09/10/21 09:50

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sodium	21.0		mg/L	10		96	85-115			DVH	

Matrix Spike (B1I0803-MS2) — Source: 21H2329-01 — Prepared: 09/09/21 11:39 Analyzed: 09/10/21 10:31

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sodium	15.5		mg/L	10		100	85-115			DVH	

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Data Qualifiers and Definitions

D2	Sample required dilution due to high concentration of target analyte(s). Reporting limit has been raised.

Work Order Comments

Samples were received in proper condition.

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