

Protecting, Maintaining and Improving the Health of All Minnesotans

To:	Comr	munity Water System (	Owner/Op	erator			
From:		munity Water Supply L on of Drinking Water F		8			
Subject:	Samp	ole Analysis Results fo	r your Pub	olic Water System			
public wate maximum	er syst contar ninants	e results of analyses poten. These results should be minant levels set by the analyzed. These res	ow that yo e state an	ur system is in cor d federal Safe Drir	npliar iking '	nce with Water Rules f	or
Analyses a	are atta	ached for the contamir	nant group	s checked below:			
□ Ammoni □ Coliform ☑ Inorgani □ Nitrate □ Nitrite □ Radioch	n Bacte ics nemica	ıl(s)		☐ Radon (proposed ☐ Synthetic Organi ☐ Trihalomethanes ☐ Volatile Organics ☐ Other	ics s/Halo	acetic Acids	
lf you have Health dist	e any c rict en	questions concerning t gineer.	hese resu	lts, please contact	your	Department of	of
<b>Bemidji</b> Eric Weller	r ,	218/308-2107		Rochester Kate Callais		507/206-272	4
<b>Duluth</b> Mike Luhrs	sen	218/302-6178		St. Cloud  Jennifer Soltys		320/223-734	0
<b>Fergus Fa</b> Lucas Hoff		218/332-5146		St. Paul Lucas Martin		651/201-414	
<b>Mankato</b> Amy Lynch	1	507/344-2713	jā	Jessie Kolar Brian Noma		651/201-456 651/201-397	
<b>Marshall</b> John Blomi	me	507/476-4238				9	



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

Date Received:

08/27/21 07:22

Rep. Temp. (°C):

4.9

Program Code:

Type: B

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 PO4 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	lnit.	Method	Qualifiers
Fluoride, Total	<	0.20	mg/L	B110771	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

Reporting

Field Residual Chlorine Result: None

Field Fluoride Result: None

Field pH Result: None

Field PO4 Result: None

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#### **General Chemistry Parameters**

Analyte	Result	Limit	Units	Batch	Prepared	Analyzed	lnit.	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	B110803	09/09/21 11:39	09/10/21 10:46	DVH	EPA 200.7	

FINAL REPORT

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Paul Moyer, Environmental Laboratory Manager

Public Health Laboratory, Minnesota Department of Health

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PWSID: 1700021

Blank (B110663-BLK1)					Prepare	d: 09/01/2	1 12:21 Analyze	ed: 09/10/	21 11:54		
Analyte	Result	Reporting Limit	Units		Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	<	0.50	mg/L							NMT	
						2					
LCS (B110663-BS1)						d: 09/01/2	1 12:21 Analyzo	ed: 09/10/			
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	lnit.	Qualifiers
Sulfate	101		mg/L	100.02		101	85-115		2.00.00	NMT	
Ouplicate (B1I0663-DUP1)		Source: 21	H2069-01		Prepare	d: 09/01/2	1 12:21 Analyz	ed: 09/10/			
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Sulfate	17.2	0.50	mg/L	LOVOI	17.2			. 0.1	10	NMT	
Juliate	11.2	0.00	_								
Sullate	17.2	0.00									
Guilate	17.2	0.50									
	17.2	Source: 21			Prepare	d: 09/01/2	21 12:21 Analyz	ed: 09/10	/21 13:29		
Duplicate (B1l0663-DUP2)	5	Source: 21 Reporting	H2074-01	Spike	Source				RPD	lnit.	Qualifiers
Duplicate (B1l0663-DUP2) Analyte	Result	Source: 21 Reporting Limit		Spike Level	•	d: 09/01/2 %REC	21 12:21 Analyz %REC Limits	ed: 09/10 RPD 0.07		Init.	Qualifiers
Duplicate (B1l0663-DUP2) Analyte	5	Source: 21 Reporting	H2074-01 Units	•	Source Result			RPD	RPD Limit		Qualifiers
Duplicate (B1l0663-DUP2) Analyte	Result	Source: 21 Reporting Limit	H2074-01 Units	•	Source Result			RPD	RPD Limit		Qualifiers
Duplicate (B1I0663-DUP2) Analyte Sulfate	Result	Source: 21 Reporting <u>Limit</u> 0.50	H2074-01 Units mg/L	•	Source Result 73.4	%REC	%REC Limits	0.07	RPD Limit 10		Qualifiers
Duplicate (B1I0663-DUP2)  Analyte  Sulfate  Matrix Splke (B1I0663-MS1)	Result 73.4	Source: 21 Reporting Limit	H2074-01  Units  mg/L  H2077-01	•	Source Result 73.4 Prepare Source	%REC	%REC Limits	RPD 0.07 ed: 09/10	RPD Limit 10 /21 14:06 RPD	NMT	
Duplicate (B1I0663-DUP2)  Analyte  Sulfate  Matrix Spike (B1I0663-MS1)	Result 73.4 Result	Source: 21 Reporting Limit 0.50 Source: 21	H2074-01  Units  mg/L  H2077-01  Units	Spike Level	Source Result 73.4 Prepare Source Result	%REC ed: 09/01/2 %REC	%REC Limits 21 12:21 Analyz %REC Limits	0.07	RPD Limit 10	NMT	Qualifiers
Duplicate (B1I0663-DUP2)  Analyte  Sulfate  Matrix Splke (B1I0663-MS1)	Result 73.4	Source: 21 Reporting Limit 0.50  Source: 21 Reporting	H2074-01  Units  mg/L  H2077-01	Level	Source Result 73.4 Prepare Source Result	%REC	%REC Limits	RPD 0.07 ed: 09/10	RPD Limit 10 /21 14:06 RPD	NMT	
Duplicate (B1I0663-DUP2)  Analyte  Sulfate  Matrix Spike (B1I0663-MS1)  Analyte	Result 73.4 Result	Source: 21 Reporting Limit 0.50  Source: 21 Reporting	H2074-01  Units  mg/L  H2077-01  Units	Spike Level	Source Result 73.4 Prepare Source Result	%REC ed: 09/01/2 %REC	%REC Limits 21 12:21 Analyz %REC Limits	RPD 0.07 ed: 09/10	RPD Limit 10 /21 14:06 RPD	NMT	
Duplicate (B1I0663-DUP2)  Analyte  Sulfate  Matrix Splke (B1I0663-MS1)  Analyte  Sulfate	Result 73.4 Result	Source: 21 Reporting Limit 0.50  Source: 21 Reporting Limit	H2074-01 Units mg/L  H2077-01 Units mg/L	Spike Level	Source Result 73.4 Prepare Source Result	%REC ed: 09/01/2 %REC 106	%REC Limits 21 12:21 Analyz %REC Limits 75-125	RPD 0.07 eed: 09/10 RPD	RPD <u>Limit</u> 10 /21 14:06 RPD <u>Limit</u>	NMT	
Duplicate (B1I0663-DUP2)  Analyte  Sulfate  Matrix Spike (B1I0663-MS1)	Result 73.4 Result	Source: 21 Reporting Limit 0.50  Source: 21 Reporting Limit	H2074-01 Units mg/L  H2077-01 Units mg/L	Spike Level 100.02	Source Result 73.4  Prepare Source Result	%REC 9/01/2 %REC 106	%REC Limits 21 12:21 Analyz %REC Limits 75-125 21 12:21 Analyz	RPD 0.07  ed: 09/10  RPD	RPD <u>Limit</u> 10 /21 14:06 RPD <u>Limit</u>	Init.	Qualifiers
Duplicate (B1I0663-DUP2)  Analyte  Sulfate  Matrix Spike (B1I0663-MS1)  Analyte  Sulfate	Result 73.4 Result	Source: 21 Reporting Limit 0.50  Source: 21 Reporting Limit	H2074-01 Units mg/L  H2077-01 Units mg/L	Spike Level	Source Result 73.4  Prepare Source Result	%REC  dd: 09/01/2  %REC  106	%REC Limits 21 12:21 Analyz %REC Limits 75-125	RPD 0.07 eed: 09/10 RPD	RPD Limit 10 /21 14:06 RPD Limit	NMT	

Batch B1I0771 - General Chemistry Prep

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PWSID: 1700021

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Batch B1I0771 - General Ch	nemistry P	rep										E
Blank (B1I0771-BLK1)						Prepare	d: 09/08/2	21 09:05 Analyze	d: 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	
_CS (B110771-BS1)						•	d: 09/08/2	21 09:05 Analyze	d: 09/08/			
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: 21	H2285-01		Ргераге	d: 09/08/2	21 09:05 Analyze	d: 09/08/	21 17:12		
		D 14	Reporting	11.24	Spike	Source	%REC	%REC Limits	RPD	RPD	Init.	Qualifiers
Analyte		Result	Limit	Units	Level	Result	76REC	MREC LITTLE		Limit		Qualificity
Fluoride, Total		0.51	0.20	mg/L		0.51			0	10	NMT	
Markin Caller (DAIOTTA NICA)			Source: 21	H2311_01		D	4- 00/09/	24 00:05 A-ab-	.d. na/ne	/24 47-49		
Matrix Spike (B1l0771-MS1)			Source: 21	H2311-01	Snike	•	d: 09/08/	21 09:05 Analyze	ed: 09/08/			
Matrix Spike (B1I0771-MS1) Analyte		Result	Source: 21 Reporting Limit	H2311-01 Units	Spike Level	Prepare Source Result	d: 09/08/	<b>21 09:</b> 05 <b>Analyz</b> o %REC Limits	ed: 09/08/	721 17:18 RPD Limit	Init.	Qualifiers
		Result	Reporting		DG - 200	Source		_		RPD	Init.	Qualifiers
Analyte		_	Reporting	Units	Level	Source	%REC	%REC Limits		RPD		Qualifiers
Analyte		_	Reporting	Units	Level	Source	%REC	%REC Limits		RPD		Qualifiers
Analyte Fluoride, Total		_	Reporting Limit	Units mg/L	Level	Source Result	%REC 98	%REC Limits 90-110	RPD	RPD Limit		Qualifiers
Analyte	9	_	Reporting Limit	Units mg/L	Level 2	Source Result	%REC 98 d: 09/08/	%REC Limits 90-110 21 09:05 Analyza	RPD	RPD Limit	NMT	
Analyte Fluoride, Total	,	_	Reporting Limit  Source: 21 Reporting	Units mg/L	Level	Source Result	%REC 98 d: 09/08/	%REC Limits 90-110	RPD	RPD Limit		Qualifiers  Qualifiers

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Blank (B1I0803-BLK1)					Prepare	d: 09/09/2	21 11:39 Analyze	ed: 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	
					•					8	
LCS (B110803-BS1)					Prepare	d: 09/09/2	21 11:39 Analyze	ed: 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	
Ouplicate (B1I0803-DUP1)		Source: 21	H1762-01		Prepare	d: 09/09/2	21 11:39 Analyze	ed: 09/10/	21 09:47		
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	lnit.	Qualifiers
Sodium	11.0	0.50	mg/L		11.4			4	20	DVH	
							2				
Duplicate (B1I0803-DUP2)		Source: 21	H2329-01		Prepare	d: 09/09/2	21 11:39 Analyze	ed: 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 Splke (B1I0803-MS1)		Source: 21	H1762-01			d: 09/09/2	21 11:39 Analyze	ed: 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: 21	H2329-01		Prepare	d: <b>09/09/</b> 2	21 11:39 Analyze	ed: 09/10/	21 10:31		
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	lnit.	Qualifiers
Sodium	15.5	2003900	mg/L	10		100	85-115			DVH	

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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

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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