

March 19, 2024

**Lab No. : SP 2403678**

**Customer No. : 2021676**

**Meadowlark Ranches Mutual Water Co.**

Attn: Mike Hadley

P.O. Box 606

Santa Ynez, CA 93460-0606

### Laboratory Report

**Introduction:** This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

### Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
WELL 3	03/13/2024	03/13/2024	SP 2403678-001	DW

**Sampling and Receipt Information:** The Sample was performed by FGL.

The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.


**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

#### Test Summary

SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
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**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.


KD: SMH

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2024-03-20

## INORGANIC CHEMICALS ANALYSIS

Date of Report : March 19, 2024      Sample ID : SP 2403678-001

Laboratory Name : **FGL Environmental**  
 Sampled On : 03/13/2024-09:45  
 Received On : 03/13/2024-14:10  
 Completed On : 03/15/2024-15:10

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2024-03-20

Sampled By : Matthew Jimenez  
 Employed By : FGL Environmental

### Sample Point Information

**EDT**

PS Code : CA4200612\_003\_003  
 Sample Point Name : WELL 3  
 Water System Name : MEADOWLARK RANCHES MUTUAL WATER COMPANY

### ADDITIONAL INORGANIC

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
SM 4500-NO3-F-00	Nitrate as N (Nitrogen)	1040	9.9	mg/L	10	0.4	1573

MCL - Maximum Contaminant Level,

DLR - Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

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**Quality Control - Wet Chem**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Wet Chem</b>								
Nitrate Nitrogen	4500NO3F	03/14/2024:202909ILP	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	97.8%	80-120	
			MS	mg/L	5.609	92.0%	66-125	
		(SP 2403678-001)	MSD	mg/L	5.609	95.1%	66-125	
			MSRPD	mg/L		1.1%	≤30.4	

**Definition**

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
- ND : Non-detect - Result was below the DQO listed for the analyte.

				2010:02/19/2024		TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information										L215				
<b>Client:</b> Meadowlark Ranches Mutual Water Co. <b>Address:</b> Attn: Mike Hadley P.O. Box 606 Santa Ynez, CA 93460-0606  <b>Phone:</b> (805)688-3132 <b>Fax:</b> <b>Contact Person:</b> Mike Hadley <b>Project Name:</b> Water Quality-Well #3 <b>Purchase Order Number:</b> <b>Quote Number:</b>				Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-NO3-N 8oz(P)	Sampling-Sampling Fee										
<b>Sampler(s)</b> M. Juncos																				
<b>Sampling Fee:</b> _____ <b>Pickup Fee:</b> _____ <b>Compositor Setup Date:</b> ___/___/___ <b>Time:</b> ___/___																				
<b>Lab Number:</b> SP 2403678 2-21676																				
Samp Num	Location Description	Date Sampled	Time Sampled																	
1	WELL 3	3/13/24	9:45	G	DW					1	X									
<b>Remarks:</b>				<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		<b>Relinquished</b> <b>Date:</b> <b>Time:</b>		
				<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		