

February 26, 2021

**Meadowlark Ranches Mutual Water Co.**  
 Attn: Mike Hadley  
 P.O. Box 606  
 Santa Ynez, CA 93460-0606

Lab ID : SP 2102111  
 Customer : 2-21676

### Laboratory Report

**Introduction:** This report package contains total of 4 pages divided into 3 sections:

Case Narrative	(2 pages) : 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 ID #	Matrix
Well #2 Active	02/12/2021	02/12/2021	SP 2102111-001	DW

**Sampling and Receipt Information:** The sample was performed by FGL using the following methods (where applicable):

Bacteriological Sampling	- SOP:200900141
Grab sampling for liquids	- SOP:200900137
Composite sampling for liquids	- SOP:200900139
Grab sampling for solids	- SOP:200900142
Composite sampling for solids	- SOP:200900143

All samples were 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 attached Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to the following tables:

### Inorganic - Wet Chemistry QC

4500NO3F	02/12/2021:202170 All analysis quality controls are within established criteria
	02/12/2021:201600 All preparation quality controls are within established criteria (performed at 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. 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.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.  
Title: Laboratory Director  
Date: 2021-03-01

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Date of Report	: February 26, 2021	Sample ID	: SP 2102111-001
Laboratory Name	: <b>FGL Environmental</b>	Approved By	<u>Kelly A. Dunnahoo, B.S.</u>  Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2021-03-01
Sampled On	: 02/12/2021-09:35		
Received On	: 02/12/2021-15:15	Sampler	: Matthew Jimenez
Completed On	: 02/26/2021-11:23	Employed By	: FGL Environmental

Name Or Number of Sample Source : WELL #2 ACTIVE

User ID	: 42C	Station Number	: 4200612-001
Date/Time of Sample	: 2102120935	Laboratory Code	: 5 8 6 7
	YYMMDDTTT	Lab Location	: Santa Paula, CA
Submitted By	: <b>FGL Environmental</b>	Phone #	: (805) 392-2000

TEST	MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
4500NO3F	10	mg/L	Nitrate as N (Nitrogen)	00618	ND	0.4

DLR -Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

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**Quality Control - Inorganic**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Nitrate + Nitrite as N	4500NO3F	02/12/21:201600VVH  (SP 2102102-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	11.22	105 %	80-120	
			MS	mg/L	5.609	100 %	5-285	
			MSD	mg/L	5.609	102 %	5-285	
			MSRPD	mg/L	5.609	1.0%	≤30.4	
	4500NO3F	02/12/21:202170VVH	CCB	mg/L		0.076	0.2	
			CCV	mg/L	11.22	98.8 %	90-110	
			CCB	mg/L		0.032	0.2	
CCV			mg/L	11.22	98.1 %	90-110		
Nitrate Nitrogen	4500NO3F	02/12/21:201600VVH	Blank	mg/L		ND	<0.2	
<b>Definition</b> CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. 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. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

				1922:02/15/2021		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> <b>Water Quality - Well #2</b> <b>Purchase Order Number:</b> <b>Quote Number:</b>  <b>Sampler(s)</b> M. Jimenez  <b>Sampling Fee:</b> _____ <b>Pickup Fee:</b> _____ <b>Compositor Setup Date:</b> ____/____/____ <b>Time:</b> ____/____  <b>Lab Number:</b> <b>SP</b> <i>NOVA</i> <b>2-21676</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)	Time/Mileage												
Samp Num	Location Description	Date Sampled	Time Sampled																			
1	Well #2 Active	2/12/21	9:35	G	DW					1	X											
Remarks:				Relinquished		Date:		Time:		Relinquished		Date:		Time:		Relinquished		Date:		Time:		
				<i>[Signature]</i>		2/12/21		1515														
				Received By:		Date:		Time:		Received By:		Date:		Time:		Received By:		Date:		Time:		
				<i>[Signature]</i>		2/12/21		1515														

## Condition Upon Receipt (Attach to COC)

### Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking numbers \_\_\_\_\_
3. Were samples received in a chilled condition?  
Temps: ROI / 4c / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? ☒ Yes ☐ No ☐ N/A
6. Verify sample date, time, sampler ☒ Yes ☐ No ☐ N/A
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) ☒ Yes ☐ No
8. Were sample custody seals intact? ☒ Yes ☐ No ☐ N/A

### Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? ☒ Yes ☐ No
2. Did bottle labels correspond with the client's ID's? ☒ Yes ☐ No
3. Were all bottles requiring sample preservation properly preserved? ☒ Yes ☐ No ☐ N/A FGL  
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? ☒ Yes ☐ No ☐ N/A
5. Were all analyses within holding times at time of receipt? ☒ Yes ☐ No
6. Have rush or project due dates been checked and accepted? ☒ Yes ☐ No ☐ N/A

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by:

Reviewed and  
Approved By

**Inez Covarrubias**



Digitally signed by Inez Covarrubias  
Title: Sample Receiving  
Date: 02/15/2021-13:38:26

### Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Initiated By: \_\_\_\_\_ Date: \_\_\_\_\_  
Problem: \_\_\_\_\_

Resolution: \_\_\_\_\_

2. Person Contacted: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Initiated By: \_\_\_\_\_ Date: \_\_\_\_\_  
Problem: \_\_\_\_\_

Resolution: \_\_\_\_\_

(2021676)  
Meadowlark Ranches Mutual Water  
Co.  
**SP 2102111**