

February 21, 2023

Lab No. : SP 2301866

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	02/07/2023	02/07/2023	SP 2301866-001	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)

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: MKH

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-02-21

INORGANIC CHEMICALS ANALYSIS

Date of Report : February 21, 2023 Sample ID : SP 2301866-001

Laboratory Name : **FGL Environmental**
 Sampled On : 02/07/2023-09:40
 Received On : 02/07/2023-14:10
 Completed On : 02/21/2023-13:01

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-02-21

Sampled By : Matthew Jimenez
 Employed By : FGL Environmental

Sample Point Information

EDT

PS Code : CA4200612_006_006
 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	7.1	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
Wet Chem								
Nitrate Nitrogen	4500NO3F	02/08/2023:201390LFS (SP 2301866-001)	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	95.2%	80-120	
			MS	mg/L	5.609	95.5%	66-125	
			MSD	mg/L	5.609	94.9%	66-125	
			MSRPD	mg/L	5.609	0.3%	≤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.

2010:02/20/2023				TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information										L215								
Client: Meadowlark Ranches Mutual Water Co. Address: Attn: Mike Hadley P.O. Box 606 Santa Ynez, CA 93460-0606 Phone: (805)688-3132 Fax: Contact Person: Mike Hadley Project Name: Water Quality-Well #3 Purchase Order Number: Quote Number:				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 S/E												
Sampler(s) M. Jimenez Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ___/___/___ Time: ___/___																						
Lab Number: SP 23014nd 2-21676																						
Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling	Type of Sample	Potable(P)	Bacti Type	Bacti Reason	Wet Chemistry	Time/Mileage												
1	WELL 3	2/7/23	9:40	G	DW				1	X												
Remarks:				Relinquished		Date:	Time:	Relinquished		Date:	Time:	Relinquished		Date:	Time:							
				Received By:		Date:	Time:	Received By:		Date:	Time:	Received By:		Date:	Time:							
						2/7/23	1410															
				Ugn		2/10/23	1410															

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Condition Upon Receipt (Attach to COC) SP 2301866


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 / / / / / / /
- 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: 02/08/2023-10:36:14

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 2301866
IV/CDA-02/08/2023-10:36:14