

February 21, 2020

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

Lab ID : SP 2001623
 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	02/04/2020	02/04/2020	SP 2001623-001	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	02/05/2020:201949 All analysis quality controls are within established criteria
	02/05/2020:201328 All preparation quality controls are within established criteria

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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: 2020-02-21

INORGANIC CHEMICALS ANALYSIS

Date of Report : February 21, 2020 Sample ID : SP 2001623-001
 Laboratory Name : **FGL Environmental** Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
FGL Title: Laboratory Director
Date: 2020-02-21
 Sampled On : 02/04/2020-10:37
 Received On : 02/04/2020-15:10 Sampler : Matthew Jimenez
 Completed On : 02/20/2020-15:42 Employed By : FGL Environmental

System Name : MEADOWLARK RANCHES MWC Number : 4200612-001 **EDT**
 Name Or Number of Sample Source : WELL #2 ACTIVE

User ID	: 42C	Station Number	: 4200612-001
Date/Time of Sample	: 2002041037 YYMMDDTTTT	Laboratory Code	: 5 8 6 7
Submitted By	: FGL Environmental	Phone #	: (805) 392-2000

ADDITIONAL INORGANIC

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

MCL - Maximum Contaminant Level, 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	(SP 2001575-001)	MS	mg/L	28.04	38.2 %	5-285	
			MSD	mg/L	28.04	38.9 %	5-285	
MSRPD			mg/L	28.04	1.1%	≤30.4		
	4500NO3F	02/05/20:201949JDD	ICB	mg/L		0.136	0.2	
			ICV	mg/L	11.22	96.3 %	90-110	
			CCB	mg/L		0.161	0.2	
			CCV	mg/L	11.22	96.3 %	90-110	
Definition								
ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
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.								
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.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

1922:02/17/2020				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 #2 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)											
Sampler(s) <i>M. Jimenez</i>															
Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ___/___/___ Time: ___/___															
Lab Number: SP 2001023 2-21676															
Samp Num	Location Description	Date Sampled	Time Sampled												
1	Well #2 Active	<i>2/4/2020</i>	<i>10:37</i>	G	DW										
Remarks:				Relinquished <i>[Signature]</i> Date: <i>2/4/2020</i> Time: <i>1510</i>		Relinquished Date: Time:		Relinquished Date: Time:		Relinquished Date: Time:		Relinquished Date: Time:			
Received By: <i>[Signature]</i> Date: <i>2/4/20</i> Time: <i>1510</i>				Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:			

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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 / 3c / _____ / _____ / _____ / _____ / _____
- 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: 02/04/2020-15:33:30

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 2001623**