

February 19, 2018

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

Lab ID : SP 1801741
 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 #4 (Indian Way) Active	02/08/2018	02/08/2018	SP 1801741-001	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	02/09/2018:201922 All analysis quality controls are within established criteria
	02/09/2018:201523 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: 2018-02-20

INORGANIC CHEMICALS ANALYSIS

Date of Report : February 19, 2018	Sample ID : SP 1801741-001
Laboratory Name : FGL Environmental	Approved By Kelly A. Dunnahoo, B.S.  Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2018-02-20
Sampled On : 02/08/2018-09:55	
Received On : 02/08/2018-16:00	Sampler : Matthew Jimenez
Completed On : 02/09/2018	Employed By : FGL Environmental

System Name : MEADOWLARK RANCHES MWC Number : 4200612-007 **EDT**

Name Or Number of Sample Source : WELL #4 (INDIAN WAY) ACTIVE

User ID	: 42C	Station Number	: 4200612-007
Date/Time of Sample	: 1802080955	Laboratory Code	: 5 8 6 7
	YYMMDDTTTT		
Submitted By	: FGL Environmental	Phone #	: (805) 392-2000

ADDITIONAL INORGANIC

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
10	mg/L	Nitrate as N (Nitrogen)	00618	0.5	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 1801678-002)	MS	mg/L	28.04	39.1 %	5-285	
			MSD	mg/L	28.04	39.4 %	5-285	
			MSRPD	mg/L	28.04	0.3%	≤30.4	
	4500NO3F	02/09/18:201922AMB	ICB	mg/L		0.046	0.1	
			ICV	mg/L	11.27	98.0 %	90-110	
			CCB	mg/L		0.066	0.1	
			CCV	mg/L	11.27	97.8 %	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.								

				1921:02/19/2018				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 #4 Purchase Order Number: Quote Number: Sampler(s) <i>M. Jimenez</i> Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____ Lab Number: SP <i>1401741</i> 2-21676				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 #4 (Indian Way) Active	2/8/18	9:55	G	DW				1	X										
Remarks: <i>A</i>				Relinquished Date: Time:		Relinquished Date: Time:		Relinquished Date: Time:		Relinquished Date: Time:		Relinquished Date: Time:		Relinquished Date: Time:		Relinquished Date: Time:				
				Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:		Received By: Date: Time:				

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 / 4 / _____ / _____ / _____ / _____ / _____
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: 02/14/2018-12:59:43

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 1801741