

February 26, 2019

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

Lab ID : SP 1901768
 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 #3 Standby	02/07/2019	02/07/2019	SP 1901768-001	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

300.0	02/07/2019:201797 All analysis quality controls are within established criteria
	02/07/2019:201420 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: 2019-02-26



INORGANIC CHEMICALS ANALYSIS

Date of Report : February 26, 2019 Sample ID : SP 1901768-001

Laboratory Name : **FGL Environmental** Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-02-26

Sampled On : 02/07/2019-11:07

Received On : 02/07/2019-15:15 Sampler : Victor Rodriguez

Completed On : 02/07/2019 Employed By : FGL Environmental

System Name : MEADOWLARK RANCHES MWC Number : 4200612-006 **EDT**

Name Or Number of Sample Source : WELL #3 STANDBY

User ID	: 42C	Station Number	: 4200612-006
Date/Time of Sample	: 1902071107 YYMMDDTTTT	Laboratory Code	: 5 8 6 7
Submitted By	: FGL Environmental	Phone #	: (805) 392-2000

ADDITIONAL INORGANIC

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
10	mg/L	Nitrate as N (Nitrogen)	00618	7.2	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	300.0	02/07/19:201420MCA (STK1931156-004) (SP 1901664-002)	Blank	mg/L		ND	<0.4			
			LCS	mg/L	20.00	99.8 %	90-110			
			MS	mg/L	400.0	99.8 %	85-119			
			MSD	mg/L	400.0	101 %	85-119			
			MSRPD	mg/L	100.0	1.2%	≤19			
			MS	mg/L	400.0	106 %	85-119			
			MSD	mg/L	400.0	101 %	85-119			
			MSRPD	mg/L	100.0	5.0%	≤19			
			300.0	02/07/19:201797MCA	CCB	ppm		0.000	0.5	
					CCV	ppm	20.00	101 %	90-110	
CCB	ppm				0.000	0.5				
CCV	ppm	20.00			102 %	90-110				
Nitrate Nitrogen	300.0	02/07/19:201420MCA	Blank	mg/L		ND	<0.1			
Definition										
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.										

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-Standby Purchase Order Number: Quote Number:				2010:02/18/2019				TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information						L215							
Sampler(s) <div style="font-size: 2em; font-family: cursive;">Victor R.</div> Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ___/___/___ Time: ___/___				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)																	
Lab Number: SP 1407104 2-21676																					
Samp Num	Location Description	Date Sampled	Time Sampled	Method	Type	Potable	Bacti	Bacti Reason	Other	Wet Chem	8oz	Time/Mileage									
1	Well #3 Standby	2/7/19	1107	G	DW					1	X										
Remarks: u				Relinquished [Signature]		Date: 2/7/19		Time: 1515		Relinquished		Date:		Time:		Relinquished		Date:		Time:	
				Received By: [Signature]		Date: 2/7/19		Time: 1515		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 / 6 / _____ / _____ / _____ / _____ / _____
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: 02/07/2019-16:10:47

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 1901768