

February 18, 2020

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

Lab ID : SP 2001622
 Customer : 2-21676

Laboratory Report

Introduction: This report package contains total of 5 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
 Sample Results (2 pages) : 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	02/04/2020	02/04/2020	SP 2001622-001	DW
Well #2 Active	02/04/2020	02/04/2020	SP 2001622-002	DW

Sampling and Receipt Information: All samples were 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:

Radio QC

900.0	02/14/2020:202429 All analysis quality controls are within established criteria
	02/14/2020:202432 All analysis quality controls are within established criteria
	02/07/2020:201436 All preparation quality controls are within established criteria

February 18, 2020
Meadowlark Ranches Mutual Water Co.

Lab ID : SP 2001622
Customer : 2-21676

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: 2020-02-18

RADIO CHEMICALS ANALYSIS

Date of Report : February 18, 2020	Sample ID : SP 2001622-002
Laboratory Name : FGL Environmental	Approved By Kelly A. Dunnahoo, B.S.  Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2020-02-18
Sampled On : 02/04/2020-10:37	
Received On : 02/04/2020-15:10	Sampler : Matthew Jimenez
Completed On : 02/18/2020-13:34	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

RADIOLOGICAL

TEST	MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
900.0	15 <input type="checkbox"/>	pCi/L	Gross Alpha	01501	3.43	3
900.0		pCi/L	Gross Alpha Counting Error	01502	± 1.30	
900.0		pCi/L	Gross Alpha MDA95	A-072	1.32	

Including Radium But excluding Uranium. (Ref. Title 22 sec. 64442.)

MCL - Maximum Contaminant Level,

DLR -Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

February 18, 2020
Meadowlark Ranches Mutual Water Co.

Lab ID : SP 2001622
 Customer : 2-21676

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio Alpha	900.0	02/14/20:202429JCA	CCV CCB	cpm cpm	8065	39.0 % 0.1200	35-47 0.13	
	900.0	02/14/20:202432JCA	CCV CCB	cpm cpm	8065	39.4 % 0.0800	35-47 0.17	
Gross Alpha	900.0	02/07/20:201436jca (SP 2001670-001)	Blank	pCi/L		0.76	3	
			LCS	pCi/L	155.2	83.4 %	75-125	
			MS	pCi/L	207.0	110 %	60-140	
			MSD	pCi/L	207.0	113 %	60-140	
			MSRPD	pCi/L	207.0	3.0%	≤30	

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.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

1923:02/17/2020				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 - Radio 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) Radio Chemistry-Gross Alpha 32oz(P), 32oz(P) Sampling-Sampling Fee																			
Sampler(s) <p style="font-size: 1.2em; font-family: cursive;">M. Jimenez</p> Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ___/___/___ Time: ___/___																							
Lab Number: SP 2001622 2-21676																							
Samp Num	Location Description	Date Sampled	Time Sampled																				
1	Well #4 (Indian Way) Active	2/17/2020	10:34	G	DW																		
2	Well #2 Active	↓	10:37	G	DW																		
Remarks:				Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:											
				Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:											
				<i>[Signature]</i>	2/17/2020	1510	<i>[Signature]</i>	2/17/2020	1510	<i>[Signature]</i>	2/17/2020	1510											

Corporate Offices & Laboratory
 853 Corporation Street
 Santa Paula, CA 93060
 Phone: (805) 392-2000
 Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

Office & Laboratory
 2500 Stagecoach Road
 Stockton, CA 95215
 Phone: (209) 942-0182
 Fax: (209) 942-0423

Office & Laboratory
 563 E. Lindo
 Chico, CA 95926
 Phone: (530) 343-5818
 Fax: (530) 343-3807

Office & Laboratory
 3442 Empresa Drive, Suite D
 San Luis Obispo, CA 93401
 Phone: (805) 783-2940
 Fax: (805) 783-2912

Office & Laboratory
 9415 W. Goshen Avenue
 Visalia, CA 93291
 Phone: (559) 734-9473
 Fax: (559) 734-8435

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 / 2c / _____ / _____ / _____ / _____ / _____
- 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: 02/04/2020-15:34:30

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 2001622