

July 18, 2023

**Lab No. : SP 2310013**

**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 7 pages divided into 3 sections:

- Case Narrative (1 page) : An overview of the work performed at FGL.
- Sample Results (4 pages) : Results for each sample submitted.
- Quality Control (2 pages) : 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 2	06/14/2023	06/14/2023	SP 2310013-001	DW
WELL 3	06/14/2023	06/14/2023	SP 2310013-002	DW
WELL 4	06/14/2023	06/14/2023	SP 2310013-003	DW

**Sampling and Receipt Information:** All samples were performed by FGL.

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 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**

EPA 200.8	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 900.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA RA-05	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: 2023-07-18



## INORGANIC CHEMICALS ANALYSIS

Date of Report : July 18, 2023 Sample ID : SP 2310013-002

Laboratory Name : **FGL Environmental**  
 Sampled On : 06/14/2023-09:50  
 Received On : 06/14/2023-15:00  
 Completed On : 07/18/2023-07:48

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2023-07-18

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Sampled By : Matthew Jimenez  
 Employed By : FGL Environmental

### Sample Point Information

**EDT**

PS Code : CA4200612\_003\_003  
 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
EPA 200.8	Uranium	4006	1.24	pCi/L	30	1	1573

MCL - Maximum Contaminant Level, DLR - Detection Limit for Reporting Purpose, ND - Not Detected at or above DLR

## RADIO CHEMICALS ANALYSIS

Date of Report : July 18, 2023 Sample ID : SP 2310013-002

Laboratory Name : **FGL Environmental**  
 Sampled On : 06/14/2023-09:50  
 Received On : 06/14/2023-15:00  
 Completed On : 07/18/2023-07:48

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2023-07-18

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Sampled By : Matthew Jimenez  
 Employed By : FGL Environmental

### Sample Point Information

**EDT**

PS Code : CA4200612\_003\_003  
 Sample Point Name : WELL 3  
 Water System Name : MEADOWLARK RANCHES MUTUAL WATER COMPANY

### RADIOLOGICAL

Method Code	Chemicals	Analyte Code	Result	Units	Counting Error +/-	MDA95	MCL	DLR	ELAP
EPA 900.0	Gross Alpha	4109	2.33	pCi/L	1.770	2.24	15	3	1573
EPA RA-05	Radium 228	4030	0.000	pCi/L	0.705	0.624	2	1	1573

MCL - Maximum Contaminant Level,


DLR - Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

## RADIO CHEMICALS ANALYSIS

Date of Report : July 18, 2023 Sample ID : SP 2310013-003

Laboratory Name : **FGL Environmental**  
 Sampled On : 06/14/2023-10:20  
 Received On : 06/14/2023-15:00  
 Completed On : 07/18/2023-07:48

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2023-07-18

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Sampled By : Matthew Jimenez  
 Employed By : FGL Environmental

### Sample Point Information

**EDT**

PS Code : CA4200612\_004\_004  
 Sample Point Name : WELL 4  
 Water System Name : MEADOWLARK RANCHES MUTUAL WATER COMPANY

### RADIOLOGICAL

Method Code	Chemicals	Analyte Code	Result	Units	Counting Error +/-	MDA95	MCL	DLR	ELAP
EPA RA-05	Radium 228	4030	0.523	pCi/L	0.902	0.624	2	1	1573

MCL - Maximum Contaminant Level, DLR - Detection Limit for Reporting Purpose, ND - Not Detected at or above DLR

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**Quality Control - Metals**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Metals</b>								
Uranium	200.8	06/19/2023:206726AC (CH 2373844-001)	MS	ug/L	5.000	119%	75-125	
			MSD	ug/L	5.000	108%	75-125	
			MSRPD	ug/L		9.5%	≤20	

**Definition**

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

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**Quality Control - Radio**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Radio</b>								
Gross Alpha	900.0	06/16/2023:206613AMR  (SP 2310038-001)	ND	pCi/L		-0.28306	1.2077	
			LCS	pCi/L	140.9	104%	50-135	
			MS	pCi/L	140.9	71.7%	60-140	
			MSD	pCi/L	140.9	66.8%	60-140	
			MSRPD	pCi/L		7.0%	≤30	
Radium - 228	Ra - 05	07/13/2023:207229EMV	RgBlk	pCi/L		-0.33	3	
			LRS	pCi/L	11.13	72.5 %	65-108	
			BS	pCi/L	11.13	108 %	75-125	
			BSD	pCi/L	11.13	107 %	75-125	
			BSRPD	pCi/L	11.13	0.22	≤3	

**Definition**

- BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
- BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
- BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- LRS : Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
- 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.
- RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.





### Condition Upon Receipt (Attach to COC) SP 2310013


**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: 06/15/2023-10:27:42

**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 2310013**  
IV/CDA-06/15/2023-10:27:42