

September 7, 2023

**Lab No. : SP 2314809**

**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 9 pages divided into 3 sections:

- Case Narrative (1 page) : An overview of the work performed at FGL.
- Sample Results (7 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 No.	Matrix
Treatment Plant - Treated	08/30/2023	08/30/2023	SP 2314809-001	DW
Well #2 Active	08/30/2023	08/30/2023	SP 2314809-002	DW
Well #3 Standby	08/30/2023	08/30/2023	SP 2314809-003	DW
Well #4 (Indian Way) Active	08/30/2023	08/30/2023	SP 2314809-004	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 314.0 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: 2023-09-09



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**Meadowlark Ranches Mutual Water Co.**

Attn: Mike Hadley  
P.O. Box 606  
Santa Ynez, CA 93460-0606

Description : Treatment Plant - Treated  
Project : Drinking Water Monitoring

Lab No. : SP 2314809-001  
Customer No. : 2021676

Sampled On : August 30, 2023 at 09:35  
Sampled By : Matthew Jimenez  
Received On : August 30, 2023 at 14:15  
Matrix : Drinking Water

**Sample Results - Inorganic**

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
<b>Wet Chemistry</b>													
Perchlorate	ND	2	ug/L	6	1	U	08/30/2023	18:50	sbl	EPA 314.0	08/31/2023	15:05	sbl

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level, Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

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**Meadowlark Ranches Mutual Water Co.**

Attn: Mike Hadley  
 P.O. Box 606  
 Santa Ynez, CA 93460-0606

Description : Well #2 Active  
 Project : Perchlorate Monitoring

Lab No. : SP 2314809-002  
 Customer No. : 2021676

Sampled On : August 30, 2023 at 09:45  
 Sampled By : Matthew Jimenez  
 Received On : August 30, 2023 at 14:15  
 Matrix : Drinking Water

**Sample Results - Inorganic**

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
<b>Wet Chemistry</b>													
Perchlorate	ND	2	ug/L	6	1	U	08/30/2023	18:50	sbl	EPA 314.0	08/31/2023	15:32	sbl

DQF Flags Definition:  
 U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level, Dil.=Dilution  
 MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

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**Meadowlark Ranches Mutual Water Co.**

Attn: Mike Hadley  
 P.O. Box 606  
 Santa Ynez, CA 93460-0606

Description : Well #3 Standby  
 Project : Perchlorate Monitoring

Lab No. : SP 2314809-003  
 Customer No. : 2021676

Sampled On : August 30, 2023 at 09:30  
 Sampled By : Matthew Jimenez  
 Received On : August 30, 2023 at 14:15  
 Matrix : Drinking Water

**Sample Results - Inorganic**

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
<b>Wet Chemistry</b>													
Perchlorate	ND	2	ug/L	6	1	U	08/30/2023	18:50	sbl	EPA 314.0	08/31/2023	15:59	sbl

DQF Flags Definition:  
 U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level, Dil.=Dilution  
 MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.



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**Meadowlark Ranches Mutual Water Co.**

Attn: Mike Hadley  
P.O. Box 606  
Santa Ynez, CA 93460-0606

Description : Well #4 (Indian Way) Active  
Project : Perchlorate Monitoring

Lab No. : SP 2314809-004  
Customer No. : 2021676

Sampled On : August 30, 2023 at 10:00  
Sampled By : Matthew Jimenez  
Received On : August 30, 2023 at 14:15  
Matrix : Drinking Water

**Sample Results - Inorganic**

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
<b>Wet Chemistry</b>													
Perchlorate	ND	2	ug/L	6	1	U	08/30/2023	18:50	sbl	EPA 314.0	08/31/2023	16:26	sbl

DQF Flags Definition:

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level, Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

## INORGANIC CHEMICALS ANALYSIS

Date of Report : September 7, 2023      Sample ID : SP 2314809-002

Laboratory Name : **FGL Environmental**  
 Sampled On : 08/30/2023-09:45  
 Received On : 08/30/2023-14:15  
 Completed On : 09/07/2023-15:16

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2023-09-09

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Sampled By : Matthew Jimenez  
 Employed By : FGL Environmental

### Sample Point Information

**EDT**

PS Code : CA4200612\_002\_002  
 Sample Point Name : WELL 2  
 Water System Name : MEADOWLARK RANCHES MUTUAL WATER COMPANY

### ADDITIONAL INORGANIC


Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
EPA 314.0	Perchlorate	1039	ND	ug/L	6	2	1573

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

## INORGANIC CHEMICALS ANALYSIS

Date of Report : September 7, 2023      Sample ID : SP 2314809-003

Laboratory Name : **FGL Environmental**  
 Sampled On : 08/30/2023-09:30  
 Received On : 08/30/2023-14:15  
 Completed On : 09/07/2023-15:16

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2023-09-09

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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 314.0	Perchlorate	1039	ND	ug/L	6	2	1573

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

## INORGANIC CHEMICALS ANALYSIS

Date of Report : September 7, 2023      Sample ID : SP 2314809-004

Laboratory Name : **FGL Environmental**  
 Sampled On : 08/30/2023-10:00  
 Received On : 08/30/2023-14:15  
 Completed On : 09/07/2023-15:16

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2023-09-09

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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

### ADDITIONAL INORGANIC

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
EPA 314.0	Perchlorate	1039	ND	ug/L	6	2	1573

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



September 7, 2023

**Meadowlark Ranches Mutual Water Co.**

Lab No. : SP 2314809

Customer No. : 2021676

**Quality Control - Wet Chem**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Wet Chem</b>								
Perchlorate	314.0	08/30/2023:209755SBL	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	110%	85-115	
			MS	ug/L	25.00	112%	80-120	
		(SP 2314794-001)	MSD	ug/L	25.00	110%	80-120	
			MSRPD	ug/L		1.8%	≤15	

**Definition**

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
- 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.

2340:08/21/2023				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: <b>Perchlorate Monitoring</b> 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-Perchlorate 16oz(P)	Time/Mileage											
Sampler(s) M. Jimenez  Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ___/___/___ Time: ___/___																					
Lab Number: <b>SP 2314809</b> 2-21676																					
Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling	Type of Sample	Potable(P)	Bacti Type	Bacti Reason	Wet Chemistry	Time/Mileage											
1	Treatment Plant - Treated	8/30/23	9:35	G	DW				1	X											
2	Well #2 Active		9:45	G	DW				1												
3	Well #3 Standby		9:30	G	DW				1												
4	Well #4 (Indian Way) Active		10:00	G	DW				1												
Remarks:				Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By: <i>MC</i> Date: 8/30/23 Time: 1418																					

### Condition Upon Receipt (Attach to COC) SP 2314809


**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 **Matthew Casas**  Digitally signed by Matthew Casas  
Title: Sample Receiving  
Date: 08/30/2023-17:38:11

**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 2314809**