

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 : An overview of the work performed at FGL. (1 page)

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 OC 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.



Corporate Offices & Laboratory



RADIO CHEMICALS ANALYSIS

Approved By Kelly A. Dunnahoo, B.S.

Date of Report : July 18, 2023 Sample ID : SP 2310013-001

Laboratory Name : FGL Environmental

: 06/14/2023-10:15

Received On : 06/14/2023-15:00 Sampled By : Matthew Jimenez Completed On Employed By : FGL Environmental : 07/18/2023-07:48

Sample Point Information

Sampled On

PS Code : CA4200612_002_002

Sample Point Name : WELL 2

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	0.557	pCi/L	0.726	0.624	2	1	1573

MCL - Maximum Contaminant Level,

DLR - Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

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

EDT



INORGANIC CHEMICALS ANALYSIS

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

Laboratory Name : FGL Environmental

: 06/14/2023-09:50

Approved By Kelly A. Dunnahoo, B.S.

Received On : 06/14/2023-15:00 Sampled By : Matthew Jimenez Completed On Employed By : FGL Environmental : 07/18/2023-07:48

Sample Point Information

Sampled On

PS Code : CA4200612_003_003

: WELL 3 Sample Point Name

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

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

EDT



RADIO CHEMICALS ANALYSIS

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

Laboratory Name : FGL Environmental

: 06/14/2023-09:50

: 06/14/2023-15:00 : 07/18/2023-07:48 Approved By Kelly A. Dunnahoo, B.S.

Sampled By

Employed By

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

EDT

: Matthew Jimenez : FGL Environmental

Sample Point Information

Sampled On

Received On

Completed On

PS Code : CA4200612_003_003

Sample Point Name : WELL 3

: MEADOWLARK RANCHES MUTUAL WATER COMPANY Water System Name

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

CA ELAP Certification No. 1563 CA ELAP Certification No. 2670 CA ELAP Certification No. 2775 CA ELAP Certification No. 2810



RADIO CHEMICALS ANALYSIS

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

Laboratory Name : FGL Environmental

: 06/14/2023-10:20

: 06/14/2023-15:00 : 07/18/2023-07:48 Approved By Kelly A. Dunnahoo, B.S.

Sampled By

Employed By

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

EDT

: Matthew Jimenez : FGL Environmental

Sample Point Information

Sampled On

Received On

Completed On

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-0	5 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

FAX: (559)734-8435 CA ELAP Certification No. 1563 CA ELAP Certification No. 2670 CA ELAP Certification No. 2775 CA ELAP Certification No. 2810 July 18, 2023

Meadowlark Ranches Mutual Water Co.

Lab No. : SP 2310013

Customer No. : 2021676

Ouality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Uranium	200.8	06/19/2023:206726AC	MS	ug/L	5.000	119%	75-125	
		(CH 2373844-001)	MSD	ug/L	5.000	108%	75-125	
			MSRPD	ug/L		9.5%	≤20	
Definition								
DQO : Data 0	Quality Objective - This is t	the criteria against which the	e quality cont	rol data is co	ompared.			
MS : Matrix	Spikes - A random sampl	e is spiked with a known am	ount of analy	te. The recov	veries are an	indication of how	w that sample	e matrix

affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. 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.

Section: Quality Control Page 6 of 7 Page 6 of 7

Meadowlark Ranches Mutual Water Co.

Lab No. : SP 2310013 Customer No. : 2021676

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Gross Alpha	900.0	06/16/2023:206613AMR	ND	pCi/L		-0.28306	1.2077	
			LCS	pCi/L	140.9	104%	50-135	
			MS	pCi/L	140.9	71.7%	60-140	
		(SP 2310038-001)	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 analyted. 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.

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ENVIRONMENTAL RAGRICULTURAL Analytical Chemists

Quarterly

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Laboratory Copy (1 of 2)

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-	L215											Time:		Time:	atory 1 Avenu 11 4-9473
	formation											Date:		Date:	Office & Laboratory 9415 W. Goshen Avenue Visalia, CA 93291 Phone: (559) 734-9473 Fax: (559) 734-8435
	See Reverse side for Container, Preservative and Sampling information											Relinquished		Received By:	Office & Laboratory 3442 Empresa Drive, Suite D San Luis Obispo, CA 93401 Phone: (805) 783-2940 Fax: (805) 783-2912
	r, Preser											Time:		Time:	Office & Laboratory 3442 Empresa Drive, San Luis Obispo, CA Phone: (805) 783-29 Fax: (805) 783-2912
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	1923:	Lype of Sample **SEE REVERSE SIDE**	DW	DW	DW							Relinquished		Refered By:	Office & Laboratory 2500 Stagecoach Road Stockton, CA 95215 Phone: (209) 942-0182 Fax: (209) 942-0423
_	-	Method of Sampling: Composite(C) Grab(G)	G	G	G			\Box		\Box		Relig	N	Re Se	Office 2500 S Stockto Phone:
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		Address: Atrn: Mike Hadley Address: Atrn: Mike Hadley P.O. Box 606 Santa Ynez, CA 93460-0606 Phone: (805)688-3132 Project Name: Water Quality - Radio Purchase Order Number: Quote Number: Sampling Fee: Pickup Fee: Compositor Setup Date: // // Time: Lab Number: SP // O Sampled Sampling Fee: // // Sampled	1 WELL 2	2 WELL 3	3 WELL 4							Remarks:			Corporate Offices & Laboratory 853 Corporation Street Santa Paula, CA 93060 Phone: (805) 392-2000 Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

FGL Environmental Revision Date: 10/09/14

Page: 1 of 1

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?	201						
Temps:	ROI	_/	/	/	/	/	/
4. Surface water (SWTR) bact samples: A sample that should be flagged unless the time since sample colle					10C, whe	ther iced	or not,
5. Do the number of bottles received agree with the Co		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:			<u> </u>				
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 proper preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	erly Yes	No	N/A	FGL			
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. Inorg	ganics and	Radio)					
Sample Receipt, Login and Verification completed by:	Reviewed Approved	and Inc	ez Covarr	ubias 🧰	Digitally signe Title: Sample I Date: 06/15/20	ed by Inez Covarrub Receiving 023-10:27:42	ias
Discrepency Documentation:							
Any items above which are "No" or do not meet specif				e resolve	d.		
1. Person Contacted:		e Numb	per:				
Initiated By:	Date	:					
Problem:							
Resolution:							
2 Person Contacted	Phon	e Numl	ner:				
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Meadowlark Ranches Mutual Water Co.

SP 2310013

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