September 6, 2023

Lab No. : SP 2314810
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 5 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(2 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
Travel Blank	08/30/2023	08/30/2023	SP 2314810-000	LBW
DISINFECTION BYPRODUCT SAMPLE	08/30/2023	08/30/2023	SP 2314810-001	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 551.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 552.2	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: SMH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-09-07

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

ORGANIC CHEMICALS ANALYSIS

Date of Report : September 6, 2023
Sample ID : SP 2314810-000

Laboratory Name : **FGL Environmental**
Sampled On : 08/30/2023-0000
Received On : 08/30/2023-14:15
Completed On : 09/06/2023-16:59

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-09-07

Sampled By : Matthew Jimenez
Employed By : FGL Environmental

Sample Point Information

PS Code : N/A
Sample Point Name : Travel Blank
Water System Name : N/A

REGULATED ORGANICS

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
EPA 551.1	Bromodichloromethane	2943	ND	ug/L	---	1	1573
EPA 551.1	Bromoform	2942	ND	ug/L	---	1	1573
EPA 551.1	Chloroform (Trichloromethane)	2941	ND	ug/L	---	1	1573
EPA 551.1	Dibromochloromethane	2944	ND	ug/L	---	1	1573
EPA 551.1	Total Trihalomethanes (THM'S/TTHM)	2950	ND	ug/L	80	4	1573

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

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ORGANIC CHEMICALS ANALYSIS

Date of Report : September 6, 2023
Sample ID : SP 2314810-001

Laboratory Name : **FGL Environmental**
Sampled On : 08/30/2023-09:35
Received On : 08/30/2023-14:15
Completed On : 09/06/2023-16:59

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2023-09-07

Sampled By : Matthew Jimenez
Employed By : FGL Environmental

Sample Point Information **EDT**

PS Code : CA4200612_DST_010
Sample Point Name : DISINFECTION BYPRODUCT SAMPLE SITE
Water System Name : MEADOWLARK RANCHES MUTUAL WATER COMPANY

REGULATED ORGANICS

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
EPA 551.1	Bromodichloromethane	2943	2	ug/L	---	1	1573
EPA 551.1	Bromoform	2942	ND	ug/L	---	1	1573
EPA 551.1	Chloroform (Trichloromethane)	2941	2	ug/L	---	1	1573
EPA 551.1	Dibromochloromethane	2944	2	ug/L	---	1	1573
EPA 551.1	Total Trihalomethanes (THM'S/TTHM)	2950	6	ug/L	80	4	1573

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

ADDITIONAL ORGANICS

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
EPA 552.2	Dibromoacetic Acid	2454	2	ug/L	---	1	1573
EPA 552.2	Dichloroacetic Acid	2451	ND	ug/L	---	1	1573
EPA 552.2	Monobromoacetic Acid	2453	ND	ug/L	---	1	1573
EPA 552.2	Monochloroacetic Acid	2450	ND	ug/L	---	2	1573
EPA 552.2	Trichloroacetic Acid	2452	ND	ug/L	---	1	1573
EPA 552.2	Haloacetic acids (five)	2456	ND	ug/L	60	6	1573

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

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853 Corporation Street
Santa Paula, CA 93060
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September 6, 2023

Meadowlark Ranches Mutual Water Co.

Lab No. : SP 2314810
Customer No. : 2021676

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Bromodichloromethane	551.1	09/01/2023:209834MNM	Blank	ug/L		ND	<0.978	
			LCS	ug/L	10.15	94.4%	80-120	
			MS	ug/L	9.898	130%	80-120	435
		(SP 2314784-001)	MSD	ug/L	10.03	85.0%	80-120	
			MSRPD	ug/L		16.3%	≤20	
			Blank	ug/L		ND	<0.983	
			LCS	ug/L	9.993	98.1%	80-120	
			MS	ug/L	10.00	86.0%	80-120	
		(SP 2314783-001)	MSD	ug/L	9.990	87.8%	80-120	
			MSRPD	ug/L		1.8%	≤20	
Bromoform	551.1	09/01/2023:209834MNM	Blank	ug/L		ND	<0.978	
			LCS	ug/L	10.15	94.5%	80-120	
			MS	ug/L	9.898	88.7%	80-120	
		(SP 2314784-001)	MSD	ug/L	10.03	90.7%	80-120	
			MSRPD	ug/L		2.9%	≤20	
			Blank	ug/L		ND	<0.983	
			LCS	ug/L	9.993	97.0%	80-120	
			MS	ug/L	10.00	88.1%	80-120	
		(SP 2314783-001)	MSD	ug/L	9.990	92.3%	80-120	
			MSRPD	ug/L		4.2%	≤20	
Chloroform	551.1	09/01/2023:209834MNM	Blank	ug/L		ND	<0.978	
			LCS	ug/L	10.15	103%	80-120	
			MS	ug/L	9.898	155%	80-120	435
		(SP 2314784-001)	MSD	ug/L	10.03	145%	80-120	435
			MSRPD	ug/L		1.7%	≤20	
			Blank	ug/L		ND	<0.983	
			LCS	ug/L	9.993	107%	80-120	
			MS	ug/L	10.00	101%	80-120	
		(SP 2314783-001)	MSD	ug/L	9.990	99.7%	80-120	
			MSRPD	ug/L		1.5%	≤20	
Decafluorobiphenyl	551.1	09/01/2023:209834MNM	Blank	ug/L	39.10	97.6%	80-120	
			LCS	ug/L	40.60	91.8%	80-120	
			MS	ug/L	79.18	90.9%	80-120	
		(SP 2314784-001)	MSD	ug/L	40.11	99.1%	80-120	
			MSRPD	ug/L		57.8%	≤20.0	435
			Blank	ug/L	39.32	97.4%	80-120	
			LCS	ug/L	39.97	96.4%	80-120	
			MS	ug/L	40.01	97.9%	80-120	
		(SP 2314783-001)	MSD	ug/L	39.96	100%	80-120	
			MSRPD	ug/L		2.1%	≤20.0	
Dibromochloromethane	551.1	09/01/2023:209834MNM	Blank	ug/L		ND	<0.978	
			LCS	ug/L	10.15	94.2%	80-120	
			MS	ug/L	9.898	90.2%	80-120	
		(SP 2314784-001)	MSD	ug/L	10.03	91.3%	80-120	
			MSRPD	ug/L		1.3%	≤20	
			Blank	ug/L		ND	<0.983	

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September 6, 2023

Meadowlark Ranches Mutual Water Co.

Lab No. : SP 2314810
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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			LCS	ug/L	9.993	97.3%	80-120	
			MS	ug/L	10.00	85.2%	80-120	
		(SP 2314783-001)	MSD	ug/L	9.990	88.5%	80-120	
			MSRPD	ug/L		3.3%	≤20	
2,3-Dibromopropionic Acid	552	08/31/2023:209762VMZ	Blank	ug/L	5.000	92.1%	70-130	
			LCS	ug/L	5.000	92.7%	70-130	
			MS	ug/L	5.000	96.1%	70-130	
		(SP 2314776-001)	MSD	ug/L	5.000	92.0%	70-130	
			MSRPD	ug/L		4.3%	≤20.0	
Dibromoacetic Acid	552	08/31/2023:209762VMZ	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	93.6%	70-130	
			MS	ug/L	10.00	82.9%	70-130	
		(SP 2314776-001)	MSD	ug/L	10.00	80.9%	70-130	
			MSRPD	ug/L		2.2%	≤20.0	
Dichloroacetic Acid	552	08/31/2023:209762VMZ	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	112%	70-130	
			MS	ug/L	10.00	136%	70-130	435
		(SP 2314776-001)	MSD	ug/L	10.00	85.3%	70-130	
			MSRPD	ug/L		16.1%	≤20.0	
Monobromoacetic Acid	552	08/31/2023:209762VMZ	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	107%	70-130	
			MS	ug/L	10.00	122%	70-130	
		(SP 2314776-001)	MSD	ug/L	10.00	116%	70-130	
			MSRPD	ug/L		4.9%	≤20.0	
Monochloroacetic Acid	552	08/31/2023:209762VMZ	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	97.6%	70-130	
			MS	ug/L	10.00	122%	70-130	
		(SP 2314776-001)	MSD	ug/L	10.00	116%	70-130	
			MSRPD	ug/L		5.1%	≤20.0	
Trichloroacetic Acid	552	08/31/2023:209762VMZ	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	118%	70-130	
			MS	ug/L	10.00	194%	70-130	435
		(SP 2314776-001)	MSD	ug/L	10.00	68.4%	70-130	435
			MSRPD	ug/L		29.6%	≤20.0	435

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 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.

Explanation

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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