

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

## 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

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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

## 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

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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

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

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

**Explanation**

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

2120:08/21/2023				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>DBP 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)	EPA 551.1 40ml(VOA)-Na2SO3	EPA 552.2 250ml(AGT)-NH4Cl	Sampling Fee										
Sampler(s) <i>M. Jimenez</i>  Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ___/___/___ Time: ___/___																					
Lab Number: <b>SP 2314810</b> 2-21676																					
Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling	Type of Sample	Potable(P)	Bacti Type	Bacti Reason	EPA 551.1	EPA 552.2	Sampling Fee										
0	Travel Blank	8/30/23		G	LBW				4												
1	DISINFECTION BYPRODUCT SAMPLE	8/30/23	9:35	G	DW				4	1	X										
Remarks: Collect at HB @ Pipe Loop				Relinquished <i>[Signature]</i>	Date: 8/30/23	Time: 14:15	Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By: <i>[Signature]</i>				Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	

**Corporate Offices & Laboratory**  
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 Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

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 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) SP 2314810


**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: 08/30/2023-17:37:53

**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 2314810**  
MDC-08/30/2023-17:37:53