

August 30, 2024

**Lab No. : SP 2413144**

**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 4 pages divided into 3 sections:

- Case Narrative (1 page) : An overview of the work performed at FGL.
- Sample Results (1 page) : 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
DISINFECTION BYPRODUCT SAMPLE	08/14/2024	08/14/2024	SP 2413144-001	DW

**Sampling and Receipt Information:** The Sample was performed by FGL.

The Sample was 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: MKH

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2024-09-01

## ORGANIC CHEMICALS ANALYSIS

Date of Report : August 30, 2024      Sample ID : SP 2413144-001

Laboratory Name : **FGL Environmental**  
 Sampled On : 08/14/2024-08:30  
 Received On : 08/14/2024-12:20  
 Completed On : 08/30/2024-14:43

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.  
 Title: Laboratory Director  
 Date: 2024-09-01

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Sampled By : JJ  
 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	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

### ADDITIONAL ORGANICS

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
EPA 552.2	Dibromoacetic Acid	2454	ND	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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**Quality Control - Organic**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
<b>Organic</b> Bromodichloromethane	551.1	08/16/2024:209201MNM  (SP 2413238-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	9.891	83.1%	80-120	
			MS	ug/L	19.63	86.9%	80-120	
			MSD	ug/L	9.743	92.6%	80-120	
			MSRPD	ug/L		46.8%	≤20	435
Bromoform	551.1	08/16/2024:209201MNM  (SP 2413238-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	9.891	91.7%	80-120	
			MS	ug/L	19.63	97.7%	80-120	
			MSD	ug/L	9.743	130%	80-120	435
			MSRPD	ug/L		19.3%	≤20	
Chloroform	551.1	08/16/2024:209201MNM  (SP 2413238-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	9.891	88.9%	80-120	
			MS	ug/L	19.63	85.5%	80-120	
			MSD	ug/L	9.743	89.5%	80-120	
			MSRPD	ug/L		58.4%	≤20	435
Decafluorobiphenyl	551.1	08/16/2024:209201MNM  (SP 2413238-001)	Blank	ug/L	39.99	117%	80-120	
			LCS	ug/L	39.56	109%	80-120	
			MS	ug/L	39.25	106%	80-120	
			MSD	ug/L	38.97	112%	80-120	
			MSRPD	ug/L		4.0%	≤20.0	
Dibromochloromethane	551.1	08/16/2024:209201MNM  (SP 2413238-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	9.891	86.1%	80-120	
			MS	ug/L	19.63	96.2%	80-120	
			MSD	ug/L	9.743	120%	80-120	
			MSRPD	ug/L		24.9%	≤20	435
2,3-Dibromopropionic Acid	552	08/19/2024:209273LFS  (CC 2483147-001)	Blank	ug/L	5.000	112%	70-130	
			LCS	ug/L	5.000	103%	70-130	
			MS	ug/L	7.500	90.9%	70-130	
			MSD	ug/L	5.000	114%	70-130	
			MSRPD	ug/L		17.8%	≤20.0	
Dibromoacetic Acid	552	08/19/2024:209273LFS  (CC 2483147-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	106%	70-130	
			MS	ug/L	10.00	143%	70-130	435
			MSD	ug/L	10.00	121%	70-130	
			MSRPD	ug/L		12.1%	≤20.0	
Dichloroacetic Acid	552	08/19/2024:209273LFS  (CC 2483147-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	102%	70-130	
			MS	ug/L	10.00	98.1%	70-130	
			MSD	ug/L	10.00	76.9%	70-130	
			MSRPD	ug/L		6.9%	≤20.0	
Monobromoacetic Acid	552	08/19/2024:209273LFS  (CC 2483147-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	101%	70-130	
			MS	ug/L	10.00	114%	70-130	
			MSD	ug/L	10.00	108%	70-130	
			MSRPD	ug/L		5.2%	≤20.0	
Monochloroacetic Acid	552	08/19/2024:209273LFS	Blank	ug/L		ND	<2	

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**Quality Control - Organic**

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
			LCS	ug/L	10.00	93.1%	70-130	
		(CC 2483147-001)	MS	ug/L	10.00	107%	70-130	
			MSD	ug/L	10.00	102%	70-130	
			MSRPD	ug/L		3.6%	≤20.0	
Trichloroacetic Acid	552	08/19/2024:209273LFS	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	103%	70-130	
			MS	ug/L	10.00	131%	70-130	435
		(CC 2483147-001)	MSD	ug/L	10.00	93.4%	70-130	
			MSRPD	ug/L		13.8%	≤20.0	

**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.

2120:08/19/2024 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: **DBP Monitoring**

Purchase Order Number:

Quote Number:

Sampler(s) *J-J.*

Sampling Fee: \_\_\_\_\_ Pickup Fee: \_\_\_\_\_  
Compositor Setup Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_/\_\_\_/\_\_\_

Lab Number: **SP 2413144** 2-21676

Samp Num	Location Description	Date Sampled	Time Sampled
0	Travel Blank	8/13/24	7:00
1	DISINFECTION BYPRODUCT SAMPLE	8/14/24	8:30

Method of Sampling: Composite(C) Grab(G)	Type of Sample	Possible(P) Non-Possible(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
G	LBW				4	1	X
G	DW	✓					

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
<i>[Signature]</i>	8/14/24	12:00						
<i>[Signature]</i>	8/14/24	4:30						

Remarks: Collect at HB @ Pipe Loop

**Corporate Offices & Laboratory**  
853 Corporation Street  
Santa Paula, CA 93060  
Phone: (805) 392-2000  
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**Office & Laboratory**  
9415 W. Goshen Avenue  
Visalia, CA 93291  
Phone: (559) 734-9473  
Fax: (559) 734-8435

### Condition Upon Receipt (Attach to COC) SP 2413144


**Sample Receipt at SP:**

- 1. Number of ice chests/packages received: 1
- 2. Shipper tracking number(s) \_\_\_\_\_
- 3. Temp IR Gun ID#: \_\_\_\_\_
- 4. Were samples received on Ice?  **Yes**  **No** Temps: ROI / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- 5. 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.
- 6. Do the number of bottles received agree with the COC?  **Yes**  **No**  **N/A**
- 7. Verify sample date, time, sampler  **Yes**  **No**
- 8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)  **Yes**  **No**

**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 **Jordyn Walla**  Digitally signed by Jordyn Walla  
Title: Sample Receiving  
Date: 08/15/2024-09:48:22

**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 2413144**  
 JAW-08/15/2024-09:48:22