

August 15, 2022

Lab No. : SP 2212613

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 6 pages divided into 4 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Interpretation	(1 page)	: Drinking water Interpretation 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	08/04/2022	08/04/2022	SP 2212613-000	LBW
HB @ Pipe Loop	08/04/2022	08/04/2022	SP 2212613-001	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: GMA

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2022-08-16

August 15, 2022

Meadowlark Ranches Mutual Water Co.

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

Description : Travel Blank
 Project : DBP Monitoring

Lab No. : SP 2212613-000

Customer No. : 2021676

Sampled On : August 4, 2022

Sampled By : Matthew Jimenez

Received On : August 4, 2022 at 14:45

Matrix : Lab. Blank Water

Sample Results - Organic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
EPA 551.1							Date	Time	Who	Method	Date	Time	Who
Decafluorobiphenyl ‡	107	80-120	%		1	f	08/09/2022	09:51	njb	EPA 551.1	08/10/2022	03:40	njb
Bromodichloromethane	ND	1	ug/L		1	Uf	08/09/2022	09:51	njb	EPA 551.1	08/10/2022	03:40	njb
Bromoform	ND	1	ug/L		1	Ufl	08/09/2022	09:51	njb	EPA 551.1	08/10/2022	03:40	njb
Chloroform	ND	1	ug/L		1	Uf	08/09/2022	09:51	njb	EPA 551.1	08/10/2022	03:40	njb
Dibromochloromethane	ND	1	ug/L		1	Ufb	08/09/2022	09:51	njb	EPA 551.1	08/10/2022	03:40	njb
Total Trihalomethanes	ND	---	ug/L		1	Uflb	08/09/2022	09:51	njb	EPA 551.1	08/10/2022	03:40	njb

DQF Flags Definition:

- f MS/MSD QC requirement met by BS/BSD due to limited sample volume.
- U Constituent results were non-detect.
- l The MS/MSD did not meet QC criteria.
- b The Blank was positive for constituent but less than the PQL

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

Corporate Offices & Laboratory

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August 15, 2022

Meadowlark Ranches Mutual Water Co.

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

Description : HB @ Pipe Loop
 Project : DBP Monitoring

Lab No. : SP 2212613-001

Customer No. : 2021676

Sampled On : August 4, 2022 at 11:20

Sampled By : Matthew Jimenez

Received On : August 4, 2022 at 14:45

Matrix : Drinking Water

Sample Results - Organic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
EPA 551.1													
Decafluorobiphenyl ‡	99.6	80-120	%		1	f	08/10/2022	08:03	njb	EPA 551.1	08/11/2022	15:37	njb
Bromodichloromethane	4	0.997	ug/L	---	1	flb	08/10/2022	08:03	njb	EPA 551.1	08/11/2022	15:37	njb
Bromoform	3	0.997	ug/L	---	1	flb	08/10/2022	08:03	njb	EPA 551.1	08/11/2022	15:37	njb
Chloroform	2	0.997	ug/L	---	1	fb	08/10/2022	08:03	njb	EPA 551.1	08/11/2022	15:37	njb
Dibromochloromethane	6	0.997	ug/L	---	1	flb	08/10/2022	08:03	njb	EPA 551.1	08/11/2022	15:37	njb
Total Trihalomethanes	15.0	---	ug/L	80	1	flb	08/10/2022	08:03	njb	EPA 551.1	08/11/2022	15:37	njb
EPA 552.2													
2,3-Dibromopropionic Acid ‡	94.1	70-130	%		1		08/05/2022	10:30	vmz	EPA 552.2	08/09/2022	09:40	vmz
Bromoacetic Acid	ND	1	ug/L	---	1	U	08/05/2022	10:30	vmz	EPA 552.2	08/09/2022	09:40	vmz
Chloroacetic Acid	ND	2	ug/L	---	1	U	08/05/2022	10:30	vmz	EPA 552.2	08/09/2022	09:40	vmz
Dibromoacetic Acid	2	1	ug/L	---	1		08/05/2022	10:30	vmz	EPA 552.2	08/09/2022	09:40	vmz
Dichloroacetic Acid	ND	1	ug/L	---	1	Uh	08/05/2022	10:30	vmz	EPA 552.2	08/09/2022	09:40	vmz
Trichloroacetic Acid	ND	1	ug/L	---	1	Ul	08/05/2022	10:30	vmz	EPA 552.2	08/09/2022	09:40	vmz
Haloacetic acids (five)	2	---	ug/L	60	1	hl	08/05/2022	10:30	vmz	EPA 552.2	08/09/2022	09:40	vmz

DQF Flags Definition:

- f MS/MSD QC requirement met by BS/BSD due to limited sample volume.
- l The MS/MSD did not meet QC criteria.
- b The Blank was positive for constituent but less than the PQL
- U Constituent results were non-detect.
- h The MS/MSD did not meet QC criteria.

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

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

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August 15, 2022

Meadowlark Ranches Mutual Water Co.

Description : HB @ Pipe Loop
 Project : DBP Monitoring

Lab No. : SP 2212613-001
 Customer No. : 2021676
 Matrix : Drinking Water
 Sampled On : August 4, 2022 at 11:20

Drinking Water Interpretations

Summary: Your water has a failure for one or more items on this sample report. Please see the table below to determine which items failed. Following the table is a brief explanation describing the significance of the failure and whether treatment may be required.

Constituent	Result	Units	MCL	Result Compared to MCL	
Organic - Primary				Less Than or Equal	Exceeded
Bromodichloromethane	4	ug/L	---		FAIL
Bromoform	3	ug/L	---		FAIL
Chloroform	2	ug/L	---		FAIL
Dibromochloromethane	6	ug/L	---		FAIL
Total Trihalomethanes	15.0	ug/L	80	PASS	
Bromoacetic Acid	ND	ug/L	---	PASS	
Chloroacetic Acid	ND	ug/L	---	PASS	
Dibromoacetic Acid	2	ug/L	---		FAIL
Dichloroacetic Acid	ND	ug/L	---	PASS	
Haloacetic acids (five)	2	ug/L	60	PASS	
Trichloroacetic Acid	ND	ug/L	---	PASS	

ND=Non-Detect

Definitions

MCL	The maximum level at which a constituent may be present and be considered acceptable for potability or aesthetics.
Primary	Items listed as primary are regulated because of health concerns. If there is a failure for a primary constituent treatment is normally required.
Secondary	Items listed as secondary are regulated because they may adversely affect the taste, odor or appearance of drinking water. They are not directly health related. If there is a failure for a secondary constituent on a small public water system it is best to consult your regulator to determine if treatment is required. A secondary constituent failure for a private water system does not require treatment. However, the owner may wish to treat the water in order to improve the quality.
Treatment	<p>If your water requires treatment we suggest that you contact a qualified water treatment company. They are normally listed under the following searches:</p> <p>Water Purification & Filtration Equipment Water Softening & Conditioning Equipment Water Treatment Equipment</p>

Health Effects Language

August 15, 2022

Meadowlark Ranches Mutual Water Co.

Lab No. : SP 2212613

Customer No. : 2021676

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Bromodichloromethane	551.1	08/09/2022:208962NJB (SP 2212668-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	9.852	97.9 %	80-120	
			MS	ug/L	10.05	96.5 %	80-120	
			MSD	ug/L	9.993	96.4 %	80-120	
			MSRPD	ug/L	9.993	0.5%	≤20	
	551.1	08/10/2022:209014NJB (SP 2212613-001)	Blank	ug/L		1	<0.983	
			LCS	ug/L	9.747	89.8 %	80-120	435
			MS	ug/L	9.855	76.8 %	80-120	
			MSD	ug/L	10.03	79.1 %	80-120	435
			MSRPD	ug/L	20.07	3.3%	≤20	
Bromoform	551.1	08/09/2022:208962NJB (SP 2212668-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	9.852	99.6 %	80-120	
			MS	ug/L	10.05	75.4 %	80-120	435
			MSD	ug/L	9.993	71.8 %	80-120	435
			MSRPD	ug/L	9.993	1.8%	≤20	
	551.1	08/10/2022:209014NJB (SP 2212613-001)	Blank	ug/L		1	<0.983	
			LCS	ug/L	9.747	85.5 %	80-120	
			MS	ug/L	9.855	73.4 %	80-120	435
			MSD	ug/L	10.03	75.1 %	80-120	435
			MSRPD	ug/L	20.07	2.9%	≤20	
Chloroform	551.1	08/09/2022:208962NJB (SP 2212668-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	9.852	98.4 %	80-120	
			MS	ug/L	10.05	104 %	80-120	
			MSD	ug/L	9.993	104 %	80-120	
			MSRPD	ug/L	9.993	0.4%	≤20	
	551.1	08/10/2022:209014NJB (SP 2212613-001)	Blank	ug/L		1	<0.983	
			LCS	ug/L	9.747	96.8 %	80-120	
			MS	ug/L	9.855	83.3 %	80-120	
			MSD	ug/L	10.03	84.6 %	80-120	
			MSRPD	ug/L	20.07	2.7%	≤20	
Decafluorobiphenyl	551.1	08/09/2022:208962NJB (SP 2212668-001)	Blank	ug/L	19.86	102 %	80-120	
			LCS	ug/L	19.70	114 %	80-120	
			MS	ug/L	20.11	110 %	80-120	
			MSD	ug/L	19.99	113 %	80-120	
			MSRPD	ug/L	9.993	1.7%	≤20.0	
	551.1	08/10/2022:209014NJB (SP 2212613-001)	Blank	ug/L	19.65	108 %	80-120	
			LCS	ug/L	19.49	109 %	80-120	
			MS	ug/L	19.71	111 %	80-120	
			MSD	ug/L	20.07	109 %	80-120	
			MSRPD	ug/L	20.07	0.2%	≤20.0	
Dibromochloromethane	551.1	08/09/2022:208962NJB (SP 2212668-001)	Blank	ug/L		1	<1	
			LCS	ug/L	9.852	98.5 %	80-120	
			MS	ug/L	10.05	97.3 %	80-120	
			MSD	ug/L	9.993	96.2 %	80-120	
			MSRPD	ug/L	9.993	1.0%	≤20	
	551.1	08/10/2022:209014NJB	Blank	ug/L		1	<0.983	

August 15, 2022

Meadowlark Ranches Mutual Water Co.

Lab No. : SP 2212613

Customer No. : 2021676

Quality Control - Organic







Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(SP 2212613-001)	LCS	ug/L	9.747	89.4 %	80-120	435
			MS	ug/L	9.855	78.2 %	80-120	
			MSD	ug/L	10.03	80.6 %	80-120	
			MSRPD	ug/L	20.07	2.7%	≤20	
2,3-Dibromopropionic Acid	552	08/05/2022:208828VMZ	Blank	ug/L	5.000	108%	70-130	
			LCS	ug/L	5.000	108%	70-130	
			MS	ug/L	5.000	111%	70-130	
			MSD	ug/L	5.000	112%	70-130	
Dibromoacetic Acid	552	08/05/2022:208828VMZ	MSRPD	ug/L	5.000	0.8%	≤20.0	
			Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	107%	70-130	
			MS	ug/L	10.00	127%	70-130	
Dichloroacetic Acid	552	08/05/2022:208828VMZ	MSD	ug/L	10.00	123%	70-130	435
			MSRPD	ug/L	10.00	2.4%	≤20.0	
			Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	118%	70-130	
Monobromoacetic Acid	552	08/05/2022:208828VMZ	MS	ug/L	10.00	133%	70-130	
			MSD	ug/L	10.00	113%	70-130	
			MSRPD	ug/L	10.00	8.5%	≤20.0	
			Blank	ug/L		ND	<1	
Monochloroacetic Acid	552	08/05/2022:208828VMZ	LCS	ug/L	10.00	114%	70-130	
			MS	ug/L	10.00	118%	70-130	
			MSD	ug/L	10.00	98.5%	70-130	
			MSRPD	ug/L	10.00	17.1%	≤20.0	
Trichloroacetic Acid	552	08/05/2022:208828VMZ	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	125%	70-130	
			MS	ug/L	10.00	123%	70-130	
			MSD	ug/L	10.00	116%	70-130	
		(SP 2212380-005)	MSRPD	ug/L	10.00	3.8%	≤20.0	435
			Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	94.9%	70-130	
			MS	ug/L	10.00	92.7%	70-130	
		(SP 2212380-005)	MSD	ug/L	10.00	54.2%	70-130	435
			MSRPD	ug/L	10.00	48.6%	≤20.0	
			Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	94.9%	70-130	

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.

				2120:08/15/2022		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:				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) <div style="text-align: center; font-family: cursive;">M. J. news</div>																						
Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____																						
Lab Number: SP 2212613 2-21676																						
Samp Num	Location Description	Date Sampled	Time Sampled																			
0	Travel Blank	8/4/22		G	LBW					4	2											
1	HB @ Pipe Loop	↓	1120	G	DW					4	1	X										
Remarks:				Relinquished		Date:	Time:	Relinquished		Date:	Time:	Relinquished		Date:	Time:							
						8/4/22	1445															
				Received By:		Date:	Time:	Received By:		Date:	Time:	Received By:		Date:	Time:							
				CDA		↓	↓															

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Condition Upon Receipt (Attach to COC) SP 2212613


Sample Receipt at SP:

1. Number of ice chests/packages received: OTC
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 **Celina D. Arenas**  Digitally signed by Celina D. Arenas
Title: Sample Receiving
Date: 08/04/2022-15:24:50

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 2212613
CDA-08/04/2022-15:24:50