

May 30, 2025

Lab No. : CH 2574298

Customer No. : 7009457

Almanor Heights Mutual Water Co.
 P.O. Box 934
 Chester, CA 96020

Laboratory Report

Introduction: This report package contains a total of 3 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 (1 page) : 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 01	05/15/2025	05/15/2025	CH 2574298-002	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

SM 4500-NO3 F 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: 2025-05-30

INORGANIC CHEMICALS ANALYSIS

Date of Report : May 30, 2025 Sample ID : CH 2574298-002

Laboratory Name : **FGL Environmental**
 Sampled On : 05/15/2025-11:35
 Received On : 05/15/2025-15:30
 Completed On : 05/30/2025-14:25

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2025-05-30

Sampled By : Elizabeth Tyson
 Employed By : FGL Environmental

Sample Point Information

EDT

PS Code : CA3200139_001_001
 Sample Point Name : WELL 01
 Water System Name : ALMANOR HEIGHTS MWC

ADDITIONAL INORGANIC

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
SM 4500-NO3-F-00	Nitrate as N (Nitrogen)	1040	ND	mg/L	10	0.4	1573
SM 4500-NO3-F-00	Nitrate + Nitrite as N	1038	ND	mg/L	10	0.4	1573
SM 4500-NO3-F-00	Nitrite as N (Nitrogen)	1041	ND	mg/L	1	0.4	1573

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

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Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrate + Nitrite as N	4500NO3F	05/16/2025:205404MM1 (CH 2574086-001)	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	94.2%	80-120	
			MS	mg/L	5.609	96.6%	66-125	
			MSD	mg/L	5.609	94.1%	66-125	
			MSRPD	mg/L		1.5%	≤30.4	
Nitrate Nitrogen	4500NO3F	05/16/2025:205404MM1 (CH 2574086-001)	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	94.2%	80-120	
			MS	mg/L	5.609	96.6%	66-125	
			MSD	mg/L	5.609	94.1%	66-125	
			MSRPD	mg/L		1.5%	≤30.4	
Nitrite as Nitrogen	4500NO3F	05/16/2025:205420MM1 (CH 2574086-001)	Blank	mg/L		ND	<0.2	
			LCS	mg/L	1.218	102%	80-120	
			MS	mg/L	0.6090	105%	50-150	
			MSD	mg/L	0.6090	105%	50-150	
			MSRPD	mg/L		0.0%	≤30	

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.