May 23, 2023

Lab No. : VI 2342937
Customer No. : 4020266

Water System Solutions
South Fork Estates MWC
Attn: Thomas Ridenour
403 Scranton Ave.
Porterville, CA 93257

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	(2 pages)	: 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 02	05/12/2023	05/12/2023	VI 2342937-001	DW
WELL 01	05/12/2023	05/12/2023	VI 2342937-005	DW

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. 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	
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: MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-05-25

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INORGANIC CHEMICALS ANALYSIS

Date of Report : May 23, 2023
Sample ID : VI 2342937-001

Laboratory Name : **FGL Environmental**
Sampled On : 05/12/2023-09:15
Received On : 05/12/2023-13:28
Completed On : 05/23/2023-13:34

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2023-05-25

Sampled By : Thomas Ridenour
Employed By : WSS- South Fork Esta

Sample Point Information **EDT**

PS Code : CA5403113_002_002
Sample Point Name : WELL 02
Water System Name : SOUTH FORK ESTATES MUTUAL WATER CO

ADDITIONAL INORGANIC

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
SM 4500-NO3-F-00	Nitrate as N (Nitrogen)	1040	4.1	mg/L	10	0.4	1573

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

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INORGANIC CHEMICALS ANALYSIS

Date of Report : May 23, 2023
Sample ID : VI 2342937-005

Laboratory Name : **FGL Environmental**
Sampled On : 05/12/2023-09:10
Received On : 05/12/2023-13:28
Completed On : 05/23/2023-13:34

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2023-05-25

Sampled By : Thomas Ridenour
Employed By : WSS- South Fork Esta

Sample Point Information **EDT**

PS Code : CA5403113_001_001
Sample Point Name : WELL 01
Water System Name : SOUTH FORK ESTATES MUTUAL WATER CO

ADDITIONAL INORGANIC

Method Code	Chemicals	Analyte Code	Result	Units	MCL	DLR	ELAP
SM 4500-NO3-F-00	Nitrate as N (Nitrogen)	1040	7.1	mg/L	10	0.4	1573

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

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May 23, 2023

WSS- South Fork Estates MWC

Lab No. : VI 2342937
Customer No. : 4020266

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrate Nitrogen	4500NO3F	05/18/2023:205438LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	98.2%	80-120	
			MS	mg/L	5.609	93.3%	66-125	
		(SP 2308083-001)	MSD	mg/L	5.609	96.6%	66-125	
			MSRPD	mg/L	5.609	1.5%	≤30.4	

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.

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