

Lake Francis MWC
PO Box 422
Dobbins, CA 95935

Chemical-Well 04-Radiologicals

Work Order: GID0013

Received: 04/01/26 14:20

Reported: 07/02/26 16:37

System Number: 5800805

Term and Qualifier Definitions

Item	Definition
------	------------

ND	None detected at or above the reporting limit
----	---

Field testing falls outside the scope of laboratory accreditation, and no certification is available for such activities. Accordingly, CEI cannot validate or endorse any field testing results conducted by non-CEI personnel.

Subcontracted Analyses

Sample Site: Well 04 PSW#5800805_004

Sample Number GID0013-01

Source Type:

Date Collected: 4/1/2026 11:25:00AM

Collected by: William Stotts

Title 22 Designation:

Analyzing Laboratory: FGL Environmental

Report with Method References attached.

Analysis Gross Alpha

Analysis Combined Radium 226/228



Justin Smith

Laboratory Manager

Integrating people, land and water.

1188 East Main Street, Grass Valley, CA 95945

Phone: (530) 273-7284 | Fax: (530) 273-9507 | www.cranmerengineeringinc.com | E.L.A.P. Certification No. 1936

Sampling • Analytical Testing • Courier Service • System Operators • Engineering • Surveying • Technical Reporting • Planning • Construction Mgmt.

July 1, 2026

Lab No. : SP 2606211

Cranmer Engineering Inc.

Customer No. : 2013032

1188 E. Main St.

Grass Valley, CA 95945

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 #4	04/01/2026	04/06/2026	SP 2606211-001	DW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived room temperature. 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 900.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 903.0	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: ERR

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2026-07-01

RADIO CHEMICALS ANALYSIS

Date of Report : July 1, 2026

Sample ID : SP 2606211-001

Laboratory Name : **FGL Environmental**

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

 Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2026-07-01

Sampled On : 04/01/2026-11:25

Received On : 04/06/2026-14:15

Completed On : 07/01/2026-10:11

Sampled By : Not Available

Employed By : Not Available

Sample Point Information

EDT

PS Code : CA5800805_004_004

Sample Point Name : WELL #4

Water System Name : LAKE FRANCIS MUTUAL WATER COMPANY

RADIOLOGICAL

Method Code	Chemicals	Analyte Code	Result	Units	Counting Error +/-	MDA95	MCL	DLR	ELAP
EPA 900.0	Gross Alpha	4109	1.39	pCi/L	1.380	1.48	15	3	1573
CALC	Combined Radium Ra 226+Ra 228	4010	0.339	pCi/L	0.331	0.676	5	2	1573
EPA 903.0	Ra-226	4020	0.119	pCi/L	0.110	0.410	3	1	1573

MCL - Maximum Contaminant Level,

DLR - Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

July 1, 2026
Cranmer Engineering Inc.

Lab No. : SP 2606211
 Customer No. : 2013032

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Gross Alpha	900.0	04/14/2026:203989JNR (SP 2606014-001)	Blank	pCi/L		ND	<0.90767	
			LCS	pCi/L	129.6	92.0%	50-135	
			MS	pCi/L	129.6	113%	60-140	
			MSD	pCi/L	129.6	85.5%	60-140	
			MSRPD	pCi/L		27.2%	≤30	
Total Radium	903.0	06/17/2026:206803EMV	RgBlk	pCi/L		-0.01997	0.40957	
			LCS	pCi/L	21.84	95.8%	52-107	
			BS	pCi/L	21.84	95.5%	43-111	
			BSD	pCi/L	21.84	93.6%	43-111	
			BSRPD	pCi/L		1.9%	≤35.5	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

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.

RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

July 1, 2026

Cranmer Engineering Inc.
1188 E. Main St.
Grass Valley, CA 95945

Subject: Subcontract Analysis for FGL Lab No. SP 2606211

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted - Ra 228;

Please note that this analysis was performed by Pace Analytical + Environmental

Thank you for using FGL Environmental.

Sincerely,

Misti Harris  Digitally signed by Misti Harris
Title: Customer Service Rep
Date: 2026-07-01

Enclosure



July 01, 2026

Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060

RE: Project: SP 2606211
Pace Project No.: 30871425

Dear Cindy Aguirre:

Enclosed are the analytical results for sample(s) received by the laboratory on May 29, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carla Cmar
carla.cmar@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Misti Harris, FGL Environmental, Inc.



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Table of Contents

Sections:

Section 1: Cert Page	3
Section 2: Sample Summary	4
Section 3: Sample Analyte	5
Section 4: RAD Chem	6
Section 5: RAD QC	7
Section 6: Qualifiers	8
Section 7: QC Cross Reference	9
Section 8: Chain of Custody	10
8.1: Chain of Custody	10

1

2

3

4

5

6

7

8



CERTIFICATIONS

Project: SP 2606211
Pace Project No.: 30871425

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
Alabama Certification #: 41590
Arkansas Certification
Colorado Certification #: PA01547
EPA Region 3 DW Rad
Georgia Certification #: C040
Hawaii Certification
Illinois Certification
Iowa Certification #: 391
Kentucky Certification #: KY90133
KY WW Permit #: KY0000221
Louisiana DEQ/TNI Certification #: 04086
Maryland Certification #: 308
Michigan/PADEP Certification #: 9991
Montana Certification #: Cert0082
Nevada Certification #: PA014572023-03
New Jersey/TNI Certification #: PA051
New York/TNI Certification #: 10888
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002-015
Puerto Rico Certification #: PA01457
South Dakota Certification
Texas/TNI Certification #: T104704188-22-18
USDA Soil Permit #: 525-23-67-77263
Virgin Island/PADEP Certification
Washington Certification #: C868
West Virginia DHHR Certification #: 9964C

ANABISO/IEC 17025:2017 Rad Cert#: L24170
Arizona ADHS Certification #: AZ0734
California Certification #: 2950
Connecticut Certification #: PH-0694
Florida/TNI Certification #: E87683
Guam Certification
Idaho Certification
Indiana Certification
Kansas Certification #: E-10358
KY WW Permit #: KY0098221
Louisiana DHH/TNI Certification #: LA010
Maine Certification #: 2023021
Massachusetts Certification #: M-PA1457
Missouri Certification #: 235
Nebraska Certification #: NE-OS-29-14
New Hampshire/TNI Certification #: 297622
New Mexico Certification #: PA01457
North Carolina Certification #: 42706
Ohio EPA Rad Approval: #41249
Pennsylvania/TNI Certification #: 65-00282
Rhode Island Certification #: 65-00282
Tennessee Certification #: TN02867
Utah/TNI Certification #: PA014572223-14
Vermont Dept. of Health: ID# VT-0282
Virginia/VELAP Certification #: 460198
West Virginia DEP Certification #: 143
Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 07/01/2026 11:19 AM



SAMPLE SUMMARY

Project: SP 2606211
Pace Project No.: 30871425

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30871425001	WELL # 4	Drinking Water	04/01/26 11:25	05/29/26 10:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 07/01/2026 11:19 AM



SAMPLE ANALYTE COUNT

Project: SP 2606211
Pace Project No.: 30871425

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30871425001	WELL # 4	EPA 904.0	JGH	1

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 07/01/2026 11:19 AM



ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: SP 2606211
Pace Project No.: 30871425

Sample:	WELL # 4	Lab ID:	30871425001	Collected:	04/01/26 11:25	Received:	05/29/26 10:10	Matrix:	Drinking Water
---------	----------	---------	-------------	------------	----------------	-----------	----------------	---------	----------------

PWS: Site ID: Sample Type:

Comments: • The Sampler's Name, Signature or Initials were not present on COC; client notified via SAF.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.220 ± 0.312 (0.676) C:86% T:90%	pCi/L	06/25/26 16:23	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 07/01/2026 11:19 AM



QUALITY CONTROL - RADIOCHEMISTRY

Project: SP 2606211

Pace Project No.: 30871425

QC Batch 821251

QC Batch Method: EPA 904.0

Analysis Method: EPA 904.0

Analysis Description: 904.0 Radium 228, DW

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30871425001

METHOD BLANK: 4011110

Matrix: Drinking Water

Associated Lab Samples: 30871425001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.369 ± 0.336 (0.693) C:76% T:85%	pCi/L	06/25/26 16:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 07/01/2026 11:19 AM



QUALIFIERS

Project: SP 2606211
Pace Project No.: 30871425

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 07/01/2026 11:19 AM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SP 2606211
Pace Project No.: 30871425

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30871425001	WELL # 4	EPA 904.0	821251		



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 07/01/2026 11:19 AM

**Subcontract to
* Pace Analytical + Environmental ***

[illegible]

Corporate Offices & Laboratory 853 Corporation Street Santa Paula, CA 93060 TEL: (805)392-2000 CA ELAP Certification No. 1573	Office & Laboratory 2500 Stagecoach Road Stockton, CA 95215 TEL: (209)942-0182 CA ELAP Certification No. 1563	Office & Laboratory 563 E. Lindo Avenue Chico, CA 95926 TEL: (530)343-5818 CA ELAP Certification No. 2670	Office & Laboratory 3442 Empresa Drive, Suite D San Luis Obispo, CA 93401 TEL: (805)783-2940 CA ELAP Certification No. 2775	Office & Laboratory 9411 W. Goshen Avenue Visalia, CA 93291 TEL: (559)734-9473 CA ELAP Certification No. 2810
--	--	--	--	--

Please Upload the Following Sample Results to CLIP

Client: Fruit Growers Laboratory
Project: SP 2606211

Sample	FGL Description	CLIP Sample Point Name	CLIP PS Code
1	WELL #4	WELL #4	CA5800805_004_004

WO# : 30871425

PM: CMC

Due Date: 06/26/26

CLIENT: FGL



DC#_Title: ENV-FRM-GBUR-0088 v10_Sample Greensburg

Effective Date: 04/07/2026

W0#: 30871425

PM: CMC Due Date: 06/26/26
CLIENT: FGL

Client Name: FGL Proje

Courier: ☐ Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Initial / Date

Tracking Number: 1729920310159536899

Examin By: PS 5/29/26

Labeled By: PS 5/29/26
Temped By:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No

Therm. Used: Type of Ice: Wet Blue None

Cooler Temp: Observed Temp: °C Correction Factor: °C Final Temp: °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot#	D.P.D. Residual Chlorine Lot #
				10D38251	
Chain of Custody Present	/			1.	
Chain of Custody Filled Out:	/			2.	
-Were client corrections present on COC		/			
Chain of Custody Relinquished	/			3.	
Either Sampler Name, Signature or Initials present on COC:		/		4.	
Sample Labels match COC:	/			5.	
-Includes date/time/ID Matrix: <u>DW</u>					
Samples Arrived within Hold Time:	/			6.	
Short Hold Time Analysis (<72hr remaining):		/		7.	
Rush Turn Around Time Requested:		/		8.	
Sufficient Volume:	/			9.	
Correct Containers Used:	/			10.	
-Pace Containers Used		/			
Containers Intact:	/			11.	
Orthophosphate field filtered:			/	12.	
Hex Cr Aqueous samples field filtered:			/	13.	
Organic Samples checked for dechlorination			/	14.	
Filtered volume received for dissolved tests:			/	15.	
Cr6+, Orthophosphate, DOC, Metals					
All containers checked for preservation:	/			16.	
exceptions: VOA, coliform, TOC, O&G, TOX, LL Hg, Radon, non-aqueous matrix					PH<2
All containers meet method preservation requirements:	/			Initial when completed PS	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)			/	17.	
624.1: Headspace in VOA Vials (0mm)			/	18.	
Radon: Headspace in RAD Vials (0mm)			/	19.	
Trip Blank Present:			/	Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	/			Initial when completed PS	Date: 5/29/26 Survey Meter SN: 25014380
Comments:					

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.



Cranmer Engineering, Inc.
Integrated Engineering Services

SUBCONTRACT ORDER

Sending Laboratory:

CEI
PO Box 1240
Grass Valley, CA 95945
Phone: 530-273-7284
Fax: -

Project Manager: Justin Smith

Subcontracted Laboratory:

FGL Environmental
853 Corporation St
Santa Paula, CA 93060
Phone: (805) 392-2000
Fax:

Work Order: GID0013

Project # 5800805

Analysis	Comments	Source ID
----------	----------	-----------

Sample ID: GID0013-01 Well 04 PSW#5800805_004_004

CA5800805_004_004

Drinking Water Sampled: 04/01/2026 11:25

Gross Alpha
Combined Radium 226/228

SC = 518

Containers Supplied:

Poly 1L w/HNO3 (A) Poly 1L w/HNO3 (B) Poly 1L w/HNO3 (C) Poly 1L w/HNO3 (D)

EDT Upload YES ☒ NO ☐

Released By

Date

Received By

Date

Condition Upon Receipt (Attach to COC) SP 2606211

Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking number(s) 870261382894
3. Temp IR Gun ID#:
4. Were samples received on Ice? **Yes** ☒ **No** ☐ Temps: RRT / / / / /
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

Celina D. Arenas



Digitally signed by Celina D. Arenas
Title: Sample Receiving
Date: 04/06/2026-14:27:27

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:

(2013032)
Cranmer Engineering Inc.
SP 2606211
CDA-04/06/2026-14:27:27