



alpha

Alpha Analytical Laboratories, Inc.

email: clientservices@alpha-labs.com

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

27 January 2022

Volcano CSD

Attn: Nick Lawson

P O Box 72

Volcano, CA 95689

RE: Source Chemical Monitoring

Work Order: 21L3422

Enclosed are the results of analyses for samples received by the laboratory on 12/21/21 22:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheri Speaks

Sheri L. Speaks For Karen L. Lantz

Project Manager



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Volcano CSD
P O Box 72
Volcano, CA 95689

Project Manager: Nick Lawson
Project: Source Chemical Monitoring
Project Number: 0300016

Reported:
01/27/22 06:13

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922
North Bay: 110 Liberty Street | Petaluma, CA 94952 | T: 707-769-3128 | F: 707-769-8093 | ELAP# 2303
San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510 | ELAP# 3055

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Well #1	21L3422-01	Water	12/21/21 09:00	12/21/21 22:50
Well #2	21L3422-02	Water	12/21/21 09:00	12/21/21 22:50

January 26, 2022

Alpha Analytical Laboratories, Inc.
 Attn: Leslie Quinn
 208 Mason St.
 Ukiah, CA 95482

Lab ID : SP 2118440
 Customer : 2-20626

Laboratory Report

Introduction: This report package contains total of 4 pages divided into 3 sections:

Case Narrative (1 pages) : 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 ID #	Matrix
VOLCANO CSD WELL 01	12/21/2021	12/27/2021	SP 2118440-001	W
VOLCANO CSD WELL 02	12/21/2021	12/27/2021	SP 2118440-002	W

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 arrived at room temperature. All samples were prepared and analyzed within the method specified hold time. 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 attached Chain of Custody and Condition Upon Receipt Form.


Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC


900.0	01/11/2022:200484 All analysis quality controls are within established criteria
	12/29/2021:214939 All preparation quality controls are within established criteria (performed at 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. 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.

KD:MKH

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2022-01-26

RADIO CHEMICALS ANALYSIS

Date of Report : January 26, 2022 Sample ID : SP 2118440-001
 Laboratory Name : **FGL Environmental** Approved By **Kelly A. Dunnahoo, B.S.** 
 Sampled On : 12/21/2021-09:00
 Received On : 12/27/2021-10:03 Sampler : Nick Lawson
 Completed On : 01/26/2022-14:30 Employed By : Same

Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2022-01-26

System Name VOLCANO COMMUNITY SERVICE Number : CA0300016_001_001 **EDT**
 : DIST

Name Or Number of Sample Source : VOLCANO CSD WELL 01

Station Number	: CA0300016_001_001	Laboratory Code	: 5 8 6 7
Date/Time of Sample	: 2112210900 YYMMDDTTTT	Lab Location	: Santa Paula, CA
Submitted By	: FGL Environmental	Phone #	: (805) 392-2000


RADIOLOGICAL

TEST	MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
900.0	15	pCi/L	Gross Alpha	01501	3.57	3
900.0		pCi/L	Gross Alpha Counting Error	01502	± 1.20	
900.0		pCi/L	Gross Alpha MDA95	A-072	0.868	

Including Radium But excluding Uranium. (Ref. Title 22 sec. 64442.)
 MCL - Maximum Contaminant Level, DLR -Detection Limit for Reporting Purpose, ND - Not Detected at or above DLR

RADIO CHEMICALS ANALYSIS

Date of Report : January 26, 2022 Sample ID : SP 2118440-002

Laboratory Name : **FGL Environmental** Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2022-01-26

Sampled On : 12/21/2021-09:00

Received On : 12/27/2021-10:03 Sampler : Nick Lawson

Completed On : 01/26/2022-14:30 Employed By : Same

System Name **VOLCANO COMMUNITY SERVICE** Number : **CA0300016_002_002** **EDT**
: **DIST**

Name Or Number of Sample Source : **VOLCANO CSD WELL 02**

Station Number	: CA0300016_002_002	Laboratory Code	: 5 8 6 7
Date/Time of Sample	: 2112210900 YYMMDDTTT	Lab Location	: Santa Paula, CA
Submitted By	: FGL Environmental	Phone #	: (805) 392-2000

RADIOLOGICAL

TEST	MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
900.0	15	pCi/L	Gross Alpha	01501	9.40	3
900.0		pCi/L	Gross Alpha Counting Error	01502	± 1.78	
900.0		pCi/L	Gross Alpha MDA95	A-072	0.819	

Including Radium But excluding Uranium. (Ref. Title 22 sec. 64442.)
MCL - Maximum Contaminant Level, DLR -Detection Limit for Reporting Purpose, ND - Not Detected at or above DLR

January 26, 2022
Alpha Analytical Laboratories, Inc.

Lab ID : SP 2118440
 Customer : 2-20626

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	01/11/22:200484JCA	CCV CCB	cpm cpm	7600	41.0 % 0.1200	35-47 0.17	
Gross Alpha	900.0	12/29/21:214939ejc (SP 2118379-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 201.1 201.1 201.1 201.1	0.34 74.8 % 88.7 % 88.2 % 0.6%	3 75-125 60-140 60-140 ≤30	
Definition								
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.								
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.								
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.								
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.								
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

SUBCONTRACT ORDER
Alpha Analytical Laboratories, Inc.
21L3422

214440

SENDING LABORATORY:

Alpha Analytical Laboratories, Inc.
 208 Mason St.
 Ukiah, CA 95482
 Phone: (707)468-0401
 Fax: (707)468-5267
 Project Manager: Karen L. Lantz

RECEIVING LABORATORY:

FGL Environmental
 853 Corporation Street
 Santa Paula, CA 93061
 Phone : (805) 392-2000
 Fax: (805) 525-4172
 Terms: Net 30

Analysis	Due	Expires	Comments
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21L3422-01 Well #1 [Water] Sampled 12/21/21 09:00			CAD30016-001-001
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Gross Alpha SUB	01/07/22 15:00	06/19/22 09:00	
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Containers Supplied:
 1L Poly - Unpres (A)

21L3422-02 Well #2 [Water] Sampled 12/21/21 09:00			CAD30016-002-002
---	--	--	------------------

Gross Alpha SUB	01/07/22 15:00	06/19/22 09:00	
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Containers Supplied:
 1L Poly - Unpres (A)

Report to State

System Name: Volcano CSD Employed by: Same

User ID: 03C Sampler: Nick Lawson

System Number: 030016

<u>[Signature]</u>	<u>12.22.21</u>		
Released By	Date	Received By	Date

Released By	Date	Received By	Date

Released By	Date	Received By	Date

<u>[Signature]</u>	<u>12/21/21</u>	<u>[Signature]</u>	<u>12/21/21</u>
Released By	Date	Received By	Date

1784123003408931

Condition Upon Receipt (Attach to COC) SP 2118440

Sample Receipt at SP:

- 1. Number of ice chests/packages received: 1
- 2. Shipper tracking numbers 1z8842500374828831
- 3. Were samples received in a chilled condition?
Temps: RRT / / / / / / /


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 **Inez Covarrubias**  Digitally signed by Inez Covarrubias
Title: Sample Receiving
Date: 12/27/2021-11:18:56

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:

Chain of Custody - Work Order

Reports and Invoices delivered by email in PDF format

Lab No 21L3422 Pg 1 of 2

Report to		Invoice to (if different)		Project Information			Signature below authorizes work under terms stated on reverse side.																																																										
Company: Volcano CSD		Contact:		Project ID: SCM			<table border="1"> <tr> <td colspan="12">Analysis Request</td> <td>TAT</td> <td>Temp upon Receipt °C</td> </tr> <tr> <td colspan="12" rowspan="3"></td> <td>Standard 10 days</td> <td>Ukiah temp: 20</td> </tr> <tr> <td rowspan="2">Standard 5 days X 48 hours</td> <td rowspan="2">Lab preapproval required</td> <td>Dublin temp:</td> </tr> <tr> <td>Other: _____ days</td> <td>Elk Grove temp: 4.0</td> </tr> <tr> <td colspan="12"></td> <td colspan="2">Sample Notes or CDPH Source Numbers:</td> </tr> </table>												Analysis Request												TAT	Temp upon Receipt °C													Standard 10 days	Ukiah temp: 20	Standard 5 days X 48 hours	Lab preapproval required	Dublin temp:	Other: _____ days	Elk Grove temp: 4.0													Sample Notes or CDPH Source Numbers:	
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Address: PO Box 72 Volcano, CA 95689		Address:		PO Number:																																																													
Phone/Fax: 209-304-7628		Phone/Fax:		Internal Lab Use: 439(IV)																																																													
Email Address: nlwsn49@gmail.com							<table border="1"> <tr> <td rowspan="2">Total Number of Containers per Sample ID</td> <td rowspan="2">Gross Alpha</td> <td colspan="10"></td> <td rowspan="2">1</td> <td rowspan="2">x</td> </tr> <tr> <td colspan="10"></td> </tr> </table>												Total Number of Containers per Sample ID	Gross Alpha											1	x																																	
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Well #1		Date 12-21	Time 0700	x									x	x																																																			
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SCANNED																																																																	
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<i>nlwsn</i>				<i>[Signature]</i>				12-21	1000	State System Number: <u>0300016</u>																																																							
<i>[Signature]</i>				<i>[Signature]</i>				12-21-21	1250	If "Y" please enter the Source Number(s) in the column above																																																							
<i>ANM</i>				<i>ANM</i>				12-21-21	1400	Mail Hardcopy to DDW-? Yes No																																																							
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Chain of Custody - Work Order

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