



Cranmer Engineering, Inc.
Integrated Engineering Services

Sample Results

Lake Francis MWC
PO Box 422
Dobbins, CA 95935

Work Order: GFC0106

Received: 03/03/23 11:24

Reported: 03/16/23 17:41

Chemical-Well 05-Perchlorate

System Number: 5800805

Term and Qualifier Definitions

Item	Definition
ND	None detected at or above the reporting limit

Subcontracted Analyses

Sample Site: Well 05 PSW#5800805-005

Date Collected: 3/3/2023 11:24:00AM

Sample Number GFC0106-01

Collected by: GL

Source Type:

Title 22 Designation:

Analyzing Laboratory: California Laboratory Services

Report with Method References attached.

Analysis Perchlorate

Justin Smith

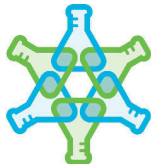
Laboratory Manager

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.



CALIFORNIA LABORATORY SERVICES

Committed. Responsive. Flexible.

March 15, 2023

CLS Work Order #: 23C0242

COC #:

Justin Smith
Cranmer Analytical Laboratory
1188 E. Main Street
Grass Valley, CA 95945

Project Name: GFC0106

Enclosed are the results of analyses for samples received by the laboratory on 03/06/23 13:11. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233



Cranmer Engineering, Inc.
Integrated Engineering Services

23C0242

SUBCONTRACT ORDER

Sending Laboratory:

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

Project Manager: Justin Smith

Subcontracted Laboratory:

California Laboratory Services
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742
Phone: (916) 638-7301
Fax:

Work Order: GFC0106

Project # 5800805

Analysis	Comments	Source ID
Sample ID: GFC0106-01 Well 05 PSW#5800805-005 <i>Drinking Water Sampled: 03/03/2023 11:24</i>		CA5800805_005 _005

Perchlorate

Containers Supplied:
Poly 250mL (A)

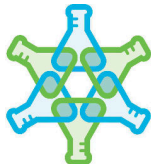
EDT Upload YES NO

SKye Tyler
Released By _____ Date 3/16/23

[Signature]
Received By _____ Date 3/16/23 1311

1311

1.2/1.1



CALIFORNIA LABORATORY SERVICES

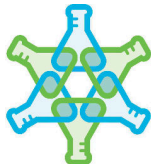
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03/15/23 08:39

Cranmer Analytical Laboratory 1188 E. Main Street Grass Valley, CA 95945	Project: GFC0106 Project Number: 5800805 Project Manager: Justin Smith	CLS Work Order #: 23C0242 COC #:
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CALIFORNIA LABORATORY SERVICES

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03/15/23 08:39

Cranmer Analytical Laboratory
1188 E. Main Street
Grass Valley, CA 95945

Project: GFC0106
Project Number: 5800805
Project Manager: Justin Smith

CLS Work Order #: 23C0242
COC #:

Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- * Analyte and/or method is not currently on the CLS ELAP Certification

Clinical Laboratory of San Bernardino, Inc.



CLS Labs

3249 Fitzgerald Rd.
Rancho Cordova CA, 95742

Project: Drinking Water Analysis

Sub Project: 23C0242

Project Manager: Mark Smith

Work Order: 23C0498

Received: 03/07/23 11:15

Reported: 03/14/23

GFC0106-01 Well 05

23C0498-01 (Water)

Sample Date: 03/03/23 11:24

Sampler: Not Listed

Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
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General Chemical Analyses

Perchlorate (ClO4)	EPA 314.0	ND	ug/L	2.0	6	03/08/23	03/09/23	2310110	
ND	Analyte NOT DETECTED at or above the reporting limit								

Stu Styles

Client Services Manager



CLS Labs
3249 Fitzgerald Rd.
Rancho Cordova CA, 95742

Project: Drinking Water Analysis
Sub Project: 23C0242
Project Manager: Mark Smith

Work Order: 23C0498
Received: 03/07/23 11:15
Reported: 03/14/23

General Chemical Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	%Rec Limits	RPD	RPD Limit	Qualifier
Batch 2310110 Analyst: AP1										
Blank (2310110-BLK1) Prepared & Analyzed: 03/08/23										
Perchlorate (ClO4)	ND	2.0	ug/L							
Blank (2310110-BLK2) Prepared: 03/08/23 Analyzed: 03/09/23										
Perchlorate (ClO4)	ND	2.0	ug/L							
Blank (2310110-BLK3) Prepared: 03/08/23 Analyzed: 03/09/23										
Perchlorate (ClO4)	ND	2.0	ug/L							
LCS (2310110-BS1) Prepared & Analyzed: 03/08/23										
Perchlorate (ClO4)	9.70	2.0	ug/L	10		97	90-110			
LCS (2310110-BS2) Prepared & Analyzed: 03/08/23										
Perchlorate (ClO4)	9.73	2.0	ug/L	10		97	90-110			
LCS (2310110-BS3) Prepared: 03/08/23 Analyzed: 03/09/23										
Perchlorate (ClO4)	9.84	2.0	ug/L	10		98	90-110			
LCS (2310110-BS4) Prepared: 03/08/23 Analyzed: 03/09/23										
Perchlorate (ClO4)	10.3	2.0	ug/L	10		103	90-110			
Matrix Spike (2310110-MS1) Source: 23C0758-01 Prepared & Analyzed: 03/08/23										
Perchlorate (ClO4)	24.7	2.0	ug/L	25	ND	99	80-120			
Matrix Spike (2310110-MS2) Source: 23C0393-04 Prepared: 03/08/23 Analyzed: 03/09/23										
Perchlorate (ClO4)	25.1	2.0	ug/L	25	ND	100	80-120			
Matrix Spike Dup (2310110-MSD1) Source: 23C0758-01 Prepared & Analyzed: 03/08/23										
Perchlorate (ClO4)	24.7	2.0	ug/L	25	ND	99	80-120	0.2	15	



CLS Labs
 3249 Fitzgerald Rd.
 Rancho Cordova CA, 95742

Project: Drinking Water Analysis
 Sub Project: 23C0242
 Project Manager: Mark Smith

Work Order: 23C0498
 Received: 03/07/23 11:15
 Reported: 03/14/23

General Chemical Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	%Rec Limits	RPD	RPD Limit	Qualifier
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Batch 2310110 **Analyst: AP1**

Matrix Spike Dup (2310110-MSD2) **Source: 23C0393-04** Prepared: 03/08/23 Analyzed: 03/09/23

Perchlorate (ClO4)	25.0	2.0	ug/L	25	ND	100	80-120	0.4	15	
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ND Analyte NOT DETECTED at or above the reporting limit

Stu Styles

Client Services Manager

SUBCONTRACT ORDER

23C0242

23C0498

STATE REPORTING

SENDING LABORATORY:

CLS Labs
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742
Phone: 916-638-7301
Fax: 916-638-4510
Project Manager: Mark Smith

RECEIVING LABORATORY:

Clinical Lab of San Bernardino
21881 Barton Road
Grand Terrace, CA 92313
Phone : (909) 825-7693
Fax: (909) 825-7696

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
Perchlorate 314.0 SUB 5		03/15/23 12:00	03/31/23 11:24	23C0242-01	03/03/23 11:24	03/06/23 13:11	Water

Client sample ID: GFC0106-01 Well 05 PSW#5800805-005

Laboratory sample ID: 23C0242-01

Please use client sample ID on all reports

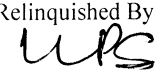
CAS800805-005-005

Containers Supplied:

250 mL Poly Unpres (A)


3/6/23
Olina/CLB
3/7 1115

Relinquished By Date Received By Date


NW 9145 6078

Relinquished By Date Received By Date

Shipped By Airbill Number
-0.4^{oc}