



Sample
Results

Lake Francis MWC
PO Box 422
Dobbins, CA 95935

Work Order: GIC0160
Received: 03/04/26 14:55
Reported: 03/27/26 11:47
System Number: 5800805

Chemical-Well 04-Perchlorate

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 GIC0160-01
Source Type:

Date Collected: 3/4/2026 11:28:00AM
Collected by: William Stotts
Title 22 Designation:

Analyzing Laboratory: BSK Laboratory
Analysis Perchlorate

Report with Method References attached.

Justin Smith
Laboratory Manager

Integrating people, land and water.

1188 East Main Street, Grass Valley, CA 95945
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BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AJC0834

3/26/2026

Invoice: AJ07312

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

RE: Report for AJC0834 General for State Form Reporting

Dear Justin Smith,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 3/6/2026. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Sarah K. Guenther, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Sarah K. Guenther, Senior Project Manager



Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details
Client:	Cranmer Analytical Laboratory	Invoice To: Cranmer Analytical Laboratory
Report To:	Justin Smith	Invoice Attn: Michelle Harlin
Project #:	GIC0160 5800805	Project PO#: -
Received:	3/06/2026 - 11:15	
Report Due:	3/20/2026	

Sample Receipt Conditions

Cooler: Default Cooler	Containers Intact
Temperature on Receipt °C: 4.0	COC/Labels Agree
	Received On Blue Ice
	Packing Material - Other
	Sample(s) were received in temperature range.
	Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Justin Smith	FINAL.RPT	
Reporting	FINAL.RPT	



AJC0834

General for State Form Reporting

GIC0160 5800805

Certificate of Analysis

Sample ID: AJC0834-01

Sampled By: Client

Sample Description: GIC0160-01 // Well 04 PSW#5800805_004_004

Sample Date - Time: 03/04/2026 - 11:28

Matrix: Drinking Water

Sample Type: Grab

BSK Associates Laboratory Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Perchlorate	EPA 314.0	ND	1.0	ug/L	1	AJC1106	03/26/26	03/26/26	



AJC0834

General for State Form Reporting

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 314.0 - Quality Control

Batch: AJC1106

Prepared: 3/25/2026

Prep Method: Method Specific Preparation

Analyst: ECH

Blank (AJC1106-BLK1)

Perchlorate	ND	1.0	ug/L							03/25/26	
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Blank Spike (AJC1106-BS1)

Perchlorate	15	1.0	ug/L	15	ND	103	85-115			03/25/26	
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Matrix Spike (AJC1106-MS1), Source: BJC0273-01

Perchlorate	5.5	1.0	ug/L	5.0	ND	110	80-120			03/25/26	
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Matrix Spike Dup (AJC1106-MSD1), Source: BJC0273-01

Perchlorate	5.4	1.0	ug/L	5.0	ND	109	80-120	1	15	03/25/26	
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Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

Certificate of Analysis

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters:

NA

Certificate of Analysis

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Bakersfield

State of California - ELAP 1180-S3

Fresno

State of California - ELAP 1180

Los Angeles CSD 9254479

State of Nevada NV-C25-00264

EPA UCMR5 CA00079

State of Hawaii 4021

NELAP certified 4021-027

State of Oregon - NELAP 4021-027

State of Washington C997-26

Sacramento

State of California - ELAP 1180-S1

San Bernardino

State of California - ELAP 1180-S2

NELAP certified 4119-010

Los Angeles CSD 9254478

State of Oregon - NELAP 4119-010

Vancouver

NELAP certified WA100008-021

State of Washington C824-25

State of Oregon - NELAP WA100008-021

Sample Integrity



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BSK Bottles: Yes No Page 1 of 1

COC Info		Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$		Were correct containers and preservatives received for the tests requested?	
		Yes	No NA	Yes	No
	If samples were taken today, is there evidence that chilling has begun?	Yes	No NA	Bubbles Present VOAs (524.2/TTHM/TCP)?	Yes No NA
	Did all bottles arrive unbroken and intact?	Yes	No	TB Received? (Check Method Below)	Yes No NA
	Did all bottle labels agree with COC?	Yes	No	Was a sufficient amount of sample received?	Yes No
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes	NA	Do samples have a hold time <72 hours?	Yes No
				Was PM notified of discrepancies?	Yes No NA
				PM: dt: email scan copy	
Bottles Received means preservation/chlorine checks are either N/A or are performed in the lab	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?		
	Bacti Na ₂ S ₂ O ₃	—	—		
	None (P) White Label	—	—		
	Cr6 (P) Lt. Green Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ DW	Cl, pH > 8	P F		
	Cr6 (P) Pink Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ WW	pH 9.3-9.7	P F		
	Cr6 (P) Black Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ 7199 ***24 HOUR HOLD TIME***	pH 9.0-9.5	P F		
	HNO ₃ (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label	—	—		
	H ₂ SO ₄ (P) or (AG) Yellow Label	pH < 2	P F		
	NaOH (P) Green Cap/Label	Cl, pH > 10	P F		
	NaOH + ZnAc (P)	pH > 9	P F		
	Dissolved Oxygen 300ml (g)	—	—		
	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—		
	HCl (AG) Lt. Blue Label O&G, Diesel	—	—		
	Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525	—	—		
	Na ₂ SO ₃ (AG) Neon Green Label 515	—	—		
	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	—	—		
	Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524	—	—		
	Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547	—	—		
	Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531	pH < 3	P F		
	NH ₄ Cl (AG) Purple Label 552	—	—		
	EDA (P) or (AG) Brown Label DBPs	—	—		
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	—	—		
	Ascorbic Acid (AG) TCP DWRL	—	—		
	Buffer pH 4 (CG)	—	—		
	H ₃ PO ₄ (CG) Salmon Label	—	—		
	Trizma - EPA 537.1 Light Blue Label FB	—	—		
	Ammonia Acetate - EPA 533 Purple Label FB	—	—		
	Bottle Water	—	—		
	Clear Glass: Jar / VOA	—	—		
	OTHER:	—	—		
Split	Container	Preservative	Lot #	Initials	Date/Time
	S P				
Comments	*Preservation check completed by lab performing analysis.				
	Indicates Blanks Received 504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP ___ MS/MSD Received Method: _____				
Labeled by:		Checked by:			

Scanned: Rush/Short HT Page: Time:



Cranmer Engineering, Inc.
Integrated Engineering Services

Sending Laboratory:

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

Project Manager: Justin Smith

Subcontracted Laboratory:

BSK Laboratory
687 N Laverne Avenue
Fresno, CA 93706
Phone: (559) 497-2888
Fax:

MB

AJC0834

Cranm7284

03/06/2026

ACT



10

Work Order: GIC0160

Project # 5800805

Analysis	Comments	Source ID
Sample ID: GIC0160-01 Well 04 PSW#5800805_004_004 <i>Drinking Water Sampled: 03/04/2026 11:28</i>		CA5800805_004_004

Perchlorate

Containers Supplied:
Poly 250mL (A)

Temp °C *4.0*

Thermometer # *83*

28M 03-06-26

WIT
BE, S, FED

EDT Upload YES ☒ NO ☐

[Signature] *3/5/26*
Released By Date

[Signature] *03-06-26*
Received By Date *11/15*