McCampbell Analytical, Inc. EDT
1534 Willow Pass Road
Pittsburg, CA 94565

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 20/08/07 Sample ID No.20G1291-01 WELL 1
Laboratory Signature Lab
Name: MC CAMPBELL ANALYTICAL, INC. Director: Ma Cas
Name of Sampler:Tony Casados Employed By: Basic Lab
Date/Time Sample Collected:20/07/28/0800 Date/Time Sample Received @ Lab:20/07/30/0926 Date Analyses Completed:20/08/03

System Name:BREESE SUBDIVISION 2 System Number: 5200008
Name or Number of Sample Source:WELL 01

* User ID: 52C Station Number: 5200008-001 *
* Date/Time of Sample: |20|07|28|0800| Laboratory Code: 1644 *
* YY MM DD TTTT YY MM DD *
* Date Analysis completed: |20|08|03| *
* Submitted by:_____ Phone #:_____ *

PAGE 1 OF 1 ADDITIONAL ANALYSES

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
6	ug/L	Perchlorate (ug/L)	A-031	ND	4.0

+ Indicates Secondary Drinking Water Standards

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2007F25

Report Created for: Basic Laboratory, Inc.

2218 Railroad Avenue
Redding, CA 96001

Project Contact: Jennifer McCurdy
Project P.O.:
Project: 20G1291

Project Received: 07/30/2020

Analytical Report reviewed & approved for release on 08/05/2020 by:

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Basic Laboratory, Inc.
Project: 20G1291
WorkOrder: 2007F25

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Basic Laboratory, Inc.	**WorkOrder:**	2007F25
Date Received:	07/30/2020 9:26	**Extraction Method:**	E314.0
Date Prepared:	08/03/2020	**Analytical Method:**	E314.0
Project:	20G1291	**Unit:**	µg/L

Perchlorate

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
20G1291-01 WELL 1 RAW	2007F25-001A	Water	07/28/2020 08:00	IC1 20080314.CHW	203031

Analytes	Result	MDL	RL	DF	Date Analyzed
Perchlorate	**0.53**	0.17	0.50	1	08/03/2020 18:49

Analyst(s): AO

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Analytical Report

Client:	Basic Laboratory, Inc.	**WorkOrder:**	2007F25
Date Received:	07/30/2020 9:26	**Extraction Method:**	SM2510 B
Date Prepared:	07/30/2020	**Analytical Method:**	SM2510B
Project:	20G1291	**Unit:**	µmhos/cm @ 25°C

Specific Conductivity at 25°C

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
20G1291-01 WELL 1 RAW	2007F25-001A	Water	07/28/2020 08:00	WetChem	202855

Analytes	Result	MDL	RL	DF	Date Analyzed
Specific Conductivity	**292**	10.0	10.0	1	07/30/2020 17:31

Analyst(s): AL

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Quality Control Report

Client:	Basic Laboratory, Inc.	**WorkOrder:**	2007F25
Date Prepared:	08/03/2020	**BatchID:**	203031
Date Analyzed:	08/03/2020	**Extraction Method:**	E314.0
Instrument:	IC1	**Analytical Method:**	E314.0
Matrix:	Water	**Unit:**	µg/L
Project:	20G1291	**Sample ID:**	MB/LCS/LCSD-203031 2007F25-001AMS/MSD

QC Summary Report for E314.0 (Perchlorate)

Analyte	MB Result	MDL	RL			
Perchlorate	ND	0.170	0.500	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Perchlorate	5.57	5.54	5	111	111	85-115	0.540	15

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Perchlorate	1	4.88	5.16	5	0.5300	87	93	80-120	5.58	20

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Quality Control Report

Client:	Basic Laboratory, Inc.	**WorkOrder:**	2007F25
Date Prepared:	07/30/2020	**BatchID:**	202855
Date Analyzed:	07/30/2020	**Extraction Method:**	SM2510 B
Instrument:	WetChem	**Analytical Method:**	SM2510B
Matrix:	Water	**Unit:**	µmhos/cm @ 25°C
Project:	20G1291	**Sample ID:**	CCV-202855

QC Summary Report for Specific Conductivity

Analyte	CCV REC (%)	CCV Limits
Specific Conductivity	100	90-110

McCampbell Analytical, Inc.
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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2007F25 **ClientCode: BASIC** **QuoteID: 192096**

☐ WaterTrax ☑ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Jennifer McCurdy
Basic Laboratory, Inc.
2218 Railroad Avenue
Redding, CA 96001
530.243.7234 FAX: 530.243.7494

Email: jmccurdy@basiclab.com
cc/3rd Party:
PO:
Project: 20G1291

Bill to:
Nathan Hawley
Basic Laboratory, Inc.
2218 Railroad Avenue
Redding, CA 96001
accounting@basiclab.com

Requested TAT: 5 days;
Date Received: 07/30/2020
Date Logged: 07/30/2020

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2007F25-001	20G1291-01 WELL 1 RAW	Water	7/28/2020 08:00	☐	A	A	A	A								

Test Legend:

1	314_W	2	PRDisposal Fee	3	PREDD_WRITEON	4	SC_W
5		6		7		8	
9		10		11		12	

Project Manager: Susan Thompson

Prepared by: Agustina Venegas

The following SampID: 001A contains testgroup 314.0_W (Perchlorate).

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: BASIC LABORATORY, INC.
Client Contact: Jennifer McCurdy
Contact's Email: jmccurdy@basiclab.com

Project: 20G1291

Comments:

Work Order: 2007F25
QC Level:
Date Logged: 7/30/2020

☐ WaterTrax ☑ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2007F25-001A	20G1291-01 WELL 1 RAW	Water	E314.0 (Perchlorate)	1	250mL HDPE, unprsv.	☐	7/28/2020 8:00	5 days	None	☐	

NOTES: **- STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

SUBCONTRACT ORDER

Basic Laboratory Inc

20G1291

2007F25

SENDING LABORATORY:

Basic Laboratory Inc
2218 Railroad Avenue
Redding, CA 96001-2504
Phone: (530) 243-7234
Fax: (530) 243-6204
Jennifer McCurdy

RECEIVING LABORATORY:

McCAMPBELL ANALYTICAL INC
1534 WILLOW PASS RD
PITTSBURG, CA 94565
Phone :(925) 252-9262
Fax: (925) 798-1622
jmccurdy@basiclab.com

Please use standard TAT unless specific due date is requested. Email results & Element transfer file to reporting@basiclab.com. Report to the MDL with J flags. Per Quote: 192096

Analysis	Due	Expires	Laboratory ID	Comments
✓ Sample ID: 20G1291-01	WELL 1 RAW	Drinking ' Sampled: 07/28/20 08:00		
Perchlorate 314.0 SUB	08/11/20 15:00	08/25/20 08:00		
Containers Supplied: 250 ml Poly Unpres (A)				

System Name: Breese Subdivison 2
System Number: 5200008
Source Name: 001
User I.D. 52C
Sampled By: Tony Casades
Employed By: Basic Lab

Released By	Date	Received By	Date
Ethan D	7.29.20	agustina V.	7/30/2020 0926
Released By	Date	Received By	Date

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GSO: 549885659

0.20° MEX

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Sample Receipt Checklist

Client Name:	**Basic Laboratory, Inc.**	Date and Time Received:	**7/30/2020 09:26**
Project:	**20G1291**	Date Logged:	**7/30/2020**
		Received by:	Agustina Venegas
WorkOrder №:	**2007F25** Matrix: Water	Logged by:	Agustina Venegas
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☐	No ☑	
COC agrees with Quote?	Yes ☑	No ☐	NA ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
	(Ice Type: WET ICE)		
Sample/Temp Blank temperature	Temp: 0.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
UCMR Samples:			
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes ☐	No ☐	NA ☑

Comments:

20G1291

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BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494

LAB #: 20G1291

PAGE 1 OF 1

CLIENT NAME: **BREESE II WATER SYSTEM**

PROJECT NAME: **DRINKING WATER MONITORING**

PROJECT #:

MAILING ADDRESS: **209 GURNSEY DRIVE, RED BLUFF, CA 96080**

REPORT DUE DATE: 8.11.20

TURN AROUND TIME: (Standard) Rush

OF SAMPLES: 1

PROJECT MANAGER: **SHELBY CARVER**

PHONE: **541-778-1447**

EMAIL:

FAX:

RESULTS SENT: Email Fax EDD Mail

INVOICE TO:

PO#:

MATRIX / TYPE: **DW**

CUSTODY SEAL INTACT? Yes No N/A

SYSTEM #: **5200008 TEHAMA**

EDD TYPE:

QC: Standard Level II

SAMPLE DATE	SAMPLE TIME			WATER	COMP	SOLID	SAMPLE LOCATION / IDENTIFICATION	NUMBER OF BOTTLES	*SAMPLE TYPE: 1, 2, 3, 4, or 5	CHLORINE RESIDUAL	ANALYSIS REQUESTED: Perchlorate						Sample Receipt Temp. (Lab Only)	LAB ID	COMMENTS
7.28.20	0500	AM	PM	X			**Well 1 Raw**	1			X						7.6°C	1	**Source 001**
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM																
		AM	PM				**Physical address:**												
		AM	PM				**209 Gurnsey Drive, Red Bluff**												
		AM	PM																
		AM	PM																

PRESERVED WITH: HNO_3 H_2SO_4 NaOH ZnAce/NaOH HCL NaThio OTHER_____

SAMPLED BY (PRINT):	SAMPLE DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
TONY CASADOS / BASIC LAB	7.28.20 0500	Tony Casados	7.28.20 1335
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY (LAB): Ethan D	DATE/TIME: 7.28.20 1416	PROCESSED AND VERIFIED BY: Ethan D	DATE/TIME: 7.28.20 1418
LOGGED IN BY: Ethan D	DATE/TIME: 7.28.20 1420	CARRIER: _____	COOLER TEMPERATURE: _____°c

INSTRUCTIONS, TERMS AND CONDITIONS ON BACK.

*Regulated DW Only - Bacteria Sample Type: 1 = Routine, 2 = Repeat, 3 = Replacement, 4 = Special, 5 = Source

2B