basic laboratory

2218 Railroad Avenue
Redding, California 96001
voice 530.243.7234
fax 530.243.7494

3860 Morrow Lane, Suite F
Chico, California 95928
voice 530.894.8966
fax 530.894.5143

Analytical Report

BREESE II WATER SYSTEM
AUTUMN WALKER
209 GURNSEY DRIVE
RED BLUFF CA 96080

Report Date: 08/10/22
Lab Sample ID: 22G0990-01

System Name: BREESE SUBDIVISION 2
PS Code: CA5200008_001_001
Client Sample ID: WELL 1
Sampled By: Tony Casados
Employed By: BASIC LABORATORY, INC

Sample Date: 07/21/22 06:50
Sample Received: 07/21/22 14:31
System Number: 5200008

CLIP	INORGANIC CHEMICAL	UNITS	RESULTS	MCL / AL	DLR / RL
1005	Arsenic	ug/l	ND	10	2
1040	Nitrate as N	mg/l	5.87	10	0.4
1041	Nitrite as N	mg/l	ND	1	0.4

Note 2 According to 40 CFR Part 136 Table II, the following tests should be analyzed in the field within 15 minutes of sampling: pH, chlorine, dissolved oxygen, and sulfite.
* Stars denote tiered Maximum Contaminant and/or Action Levels (* 250-500-600, ** 900-1600-2200, *** 500-1000-1500).
ND Not detected at the reporting limit
DLR California's Detection Limit for the purpose of reporting
RL Laboratory default Reporting Limit (if DLR not established)
MCL / AL Maximum Contaminant Level or Action Level

Approved By

I certify that these results meet the requirements of the applicable accreditation standard, and were performed in compliance stated analytical methods unless otherwise noted in the qualifications or Case Narrative section of this report.

Approved By: Ricky Jensen
Ricky Jensen, General Manager
Pace Analytical Services LLC - Redding CA
California ELAP Cert #1677 & 2718

cc: Tehama County Environmental Health

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Analytical Report

Report To: BREESE II WATER SYSTEM
209 GURNSEY DRIVE
RED BLUFF, CA 96080
Attention: AUTUMN WALKER
Project: DRINKING WATER MONITORING

Lab No: 22G0990
Reported: 08/10/22
Phone: (530) 527-0170

Included in this report are laboratory results for work order 22G0990, received on 07/21/22. All analyses were performed in strict adherence to our established Quality Manual. Any qualifications or abnormalities are listed in the Notes and Definitions and/or the Case Narrative section of this report. The project Chain of Custody and laboratory sample receipt record are included as attachments to this report.

Sample Results

Description: WELL 1
Matrix / Type: Raw Water (Grab)
Lab ID: 22G0990-01
Sampled: 07/21/22 06:50
Received: 07/21/22 14:31

General Chemistry

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch / Analyst
Nitrate as N	mg/l	5.87			0.20	EPA 300.0	07/22/22 10:59	07/21/22 16:00	B2G1310 / RRG
Nitrite as N	"	ND			0.10	"	07/21/22 22:05	"	"

Metals - Total

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch / Analyst
Arsenic	ug/l	ND			2.00	EPA 200.8	08/05/22	08/01/22	B2G1453 / EDM

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
General Chemistry	**Batch B2G1310 - General Prep - GC**									
Blank										
Nitrate as N	ND	0.10	mg/l							
Nitrite as N	ND	0.10	mg/l							
LCS										
Nitrate as N	0.94	0.10	mg/l	1.00		93.6	90-110			
Nitrite as N	0.98	0.10	mg/l	1.00		97.7	90-110			
Duplicate	Source: 22G0984-01									
Nitrate as N	2.15	0.10	mg/l		2.15			0.237	20	
Nitrite as N	ND	0.10	mg/l		ND				20	
Matrix Spike	Source: 22G0984-01									

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
General Chemistry Batch B2G1310 - General Prep - GC										
Nitrate as N	3.17	0.10	mg/l	1.00	2.15	102	80-120			
Nitrite as N	0.94	0.10	mg/l	1.00	ND	94.3	80-120			
Metals - Total Batch B2G1453 - EPA 200.8 Total										
Blank										
Arsenic	ND	2.00	ug/l							
LCS										
Arsenic	97.1	2.00	ug/l	100		97.1	85-115			
Duplicate	Source: 22G0811-01									
Arsenic	0.38	2.00	ug/l		0.33			15.4	20	
Matrix Spike	Source: 22G0811-01									
Arsenic	93.2	2.00	ug/l	100	0.33	92.8	75-125			

Notes and Definitions

ND	Analyte NOT DETECTED at or above the detection limit
RPD	Relative Percent Difference
MDL	Method Detection Limit
RL	Reporting Limit
* or #	CA-ELAP does not accredit this analyte or method as of December 2020. *(Newly released 2021 FOA tables may include this analyte or method.)*
Note 1	Received Temperature - according to EPA guidelines, samples for most chemistry methods should be held at ≤6 degrees C after collection, including during transportation, unless samples are received on ice and collected on the same day as delivery. Regulating agencies may invalidate results if temperature requirements are not met.
Note 2	According to 40 CFR Part 136 Table II, the following tests should be analyzed in the field within 15 minutes of sampling: pH, chlorine, dissolved oxygen, and sulfite.

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Analytical Report

Approved By

I certify that these results meet the requirements of the applicable accreditation standard, and were performed in compliance with the stated analytical methods unless otherwise noted in the qualifications or Case Narrative section of this report.

Approved By: Ricky Jensen

Ricky Jensen, General Manager
Pace Analytical Services LLC - Redding CA
California ELAP Cert #1677 & 2718

BASIC LABORATORY, INC. - CHAIN OF CUSTODY (STANDARD)

22G0990

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LABORATORY WORK ORDER # 22G0990
PAGE 1 OF 1

basic laboratory

CLIENT NAME: BREESE II WATER SYSTEM
PROJECT NAME: DRINKING WATER MONITORING
PROJECT / PO #:
PWS # (If Applicable): 5200008 TEHAMA

MAILING ADDRESS: PO BOX 9062, RED BLUFF, CA 96080

REPORT TO: ☑ Email ☐ Mail Hardcopy
NAME / ATTENTION: ~~SHELBY CARVER~~ Autumn Walker
PHONE: 541-778-1447 jmm 7.21.22

TURN AROUND TIME REQUESTED: ☑ Standard ☐ Rush

INVOICE TO: SAME
EMAIL: breesewater@gmail.com

SPECIAL INSTRUCTIONS / PO#: QC REPORTS TO MIKE BUTLER
☑ Regulatory ☐ Non-Regulatory
QC Reported? (check one): ☑ None ☐ STD ☐ Other
Do you require Electronic Data Deliverables (EDD)? ☑ Yes ☐ No What Type? CA CLIP

Lab ID # (Lab Use Only)	DATE SAMPLED	TIME SAMPLED		SAMPLE TYPE*	Comp	Grab	SAMPLE LOCATION / IDENTIFICATION / DESCRIPTION	REGULATORY ID / SOURCE CODE (If Applicable)	NUMBER OF CONTAINERS	ANALYSES REQUESTED: Total Arsenic	Nitrate, Nitrite
1	7-21-22	0650	AM PM	DWS		✓	WELL 1	CA5200008_001_001	2	✓	✓
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								

SAMPLED BY: (please print) Tony Casados / Pace Analytical - Redding

SAMPLING / ANALYSIS COMMENTS

RELINQUISHED DATE / TIME: 7-21-22 1330

☐ I authorize Basic Laboratory to perform the indicated tests. By signing I agree to Basic Laboratory's TERMS and CONDITIONS. (www.basiclab.com/terms)

NAME: PER AUTHORIZATION AGREEMENT
SIGNATURE
DATE

RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
RECEIVED BY LAB: jmm	DATE/TIME: 7-21-22 14:31	LOGGED BY LAB: jmm	DATE/TIME: 7-21-22 16:16

For Official Lab Comments Only

*SAMPLE TYPE CODES

Aqueous
DW = Drinking Water
DWS=Drinking Water Source
WW = Wastewater
GW = Groundwater
STW = Stormwater
SW = Surface Water
RW = Rain Water

Non-Aqueous
SLG = Sludge
SO = Soil
SDW = Solid Waste
OL = Oil
OT = Other (Specify)

SAMPLE RECEIPT CHECKLIST

basic

WO NUMBER 22G0990

SHIPPING INFORMATION

Walk-in ☐
Courier ☐
FedEx ☐
UPS ☐
Other ☑

Cooler Present? Yes ☑ No ☐

Samples Received By: fmr Date: 7.21.22

	Yes	No
Samples received on ice?	☑	☐
Samples received the same day collected?	☑	☐

Ice type? ☐ Wet ☑ Blue ☐ Other

SAMPLE TEMPERATURES AT RECEIPT Therm. ID (Circle one): Therm-36 Therm-37 (Therm-59) Other:

Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)
-01	7.4	-06		-11		-16	
-02		-07		-12		-17	
-03		-08		-13		-18	
-04		-09		-14		-19	
-05		-10		-15		-20	

SAMPLE CONDITION AND PROCESSING

Samples Processed and Labeled By: fmr Date: 7.21.22

	Yes	No	NA
Custody seals present?	☐	☐	☑
Samples in proper containers?	☑	☐	
Sample containers damaged?	☐	☑	
Sufficient sample volume for indicated tests?	☑	☐	
Samples received within holding times?	☑	☐	
Are VOA vials free of headspace?	☐	☐	☑
Dechlor. agent labels present (i.e., colilert, TTHMs)?	☐	☐	☑

SAMPLE PRESERVATION NA ☐

	Yes	No	NA
Preserved in the field?	☐	☑	☐
Preserved in the lab?	☑	☐	☐

Lab Preservation Date & Time 7.21.22 14:55

☐ H2SO4 (ID_____) ☑ HNO3 (ID 2G08006) ☐ NaOH (ID_____)
☐ Other (ID_____) ☐ Other (ID_____) ☐ Other (ID_____)

	Yes	No	NA
H2SO4 preserved samples confirmed to pH <2 (i.e., E350.1, SM5220, SM5310)?	☐	☐	☑
HNO3 preserved samples confirmed to pH <2 (i.e., E200.7, E200.8, 6010)?	☑	☐	☐
NaOH preserved samples confirmed to pH >10 (cyanide) or >9 (sulfide)?	☐	☐	☑
Hexavalent Chromium (DW) preserved samples confirmed to pH >8 & Chlorine <0.1 mg/l?	☐	☐	☑
Hexavalent Chromium (W) preserved samples confirmed to pH 9.3 - 9.7?	☐	☐	☑
Are proper preservation lables present?	☑	☐	☐

By:_____ Meter ID:_____

Preservation checked at Lab? Date & Time 7.21.22 14:57 Test Strip (ID 2B24019)

Preservation and Preservation Checks performed by: SMA

COMMENTS, DISCREPANCEIS, ANOMALIES