basic laboratory

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Redding, California 96001

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Analytical Report

BREESE II WATER SYSTEM
SHELBY CARVER
PO BOX 9062
RED BLUFF CA 96080

Report Date: 07/23/21
Lab Sample ID: 21G0682-01

System Name: BREESE SUBDIVISION 2
Source Name: 5200008-001 WELL 1
Client Sample ID: WELL 1 RAW
Sampled By: Tony Casados
Employed By: BASIC LABORATORY, INC

Sample Date: 07/15/21 07:18
Sample Received: 07/15/21 13:25
User ID: 52C
System Number: 5200008
Source Code: 001

STORET	VOLATILE ORGANIC CHEMICALS	UNITS	RESULTS	MCL	DLR
34030	Benzene	ug/l	ND	1	0.50
81555	Bromobenzene	ug/l	ND		0.50
A-012	Bromochloromethane	ug/l	ND		0.50
32101	Bromodichloromethane	ug/l	ND		1.00
32104	Bromoform	ug/l	ND		1.00
34413	Bromomethane	ug/l	ND		0.50
A-010	n-Butylbenzene	ug/l	ND		0.50
77350	sec-Butylbenzene	ug/l	ND		0.50
77353	tert-Butylbenzene	ug/l	ND		0.50
32102	Carbon tetrachloride	ug/l	ND	0.5	0.50
34301	Chlorobenzene	ug/l	ND	70	0.50
34311	Chloroethane	ug/l	ND		0.50
32106	Chloroform	ug/l	ND		1.00
34418	Chloromethane	ug/l	ND		0.50
A-008	2-Chlorotoluene	ug/l	ND		0.50
A-009	4-Chlorotoluene	ug/l	ND		0.50
32105	Dibromochloromethane	ug/l	ND		1.00
77596	Dibromomethane	ug/l	ND		0.50
34536	1,2-Dichlorobenzene (o-DCB)	ug/l	ND	600	0.50
34566	1,3-Dichlorobenzene (m-DCB)	ug/l	ND		0.50
34571	1,4-Dichlorobenzene (p-DCB)	ug/l	ND	5	0.50
34668	Dichlorodifluoromethane (CFC 12)	ug/l	ND	1000	0.50
34496	1,1-Dichloroethane (1,1-DCA)	ug/l	ND	5	0.50
34531	1,2-Dichloroethane (1,2-DCA)	ug/l	ND	0.5	0.50
77093	cis-1,2-Dichloroethene (c-1,2-DCE)	ug/l	ND	6	0.50
34546	trans-1,2-Dichloroethene (t-1,2-DCE)	ug/l	ND	10	0.50
34501	1,1-Dichloroethene (1,1-DCE)	ug/l	ND	6	0.50
34423	Dichloromethane (Methylene Chloride)	ug/l	ND	5	0.50
34541	1,2-Dichloropropane	ug/l	ND	5	0.50
77173	1,3-Dichloropropane	ug/l	ND		0.50
77170	2,2-Dichloropropane	ug/l	ND		0.50
77168	1,1-Dichloropropene	ug/l	ND		0.50
34561	1,3-Dichloropropene (total)	ug/l	ND	0.5	0.50
34371	Ethylbenzene	ug/l	ND	300	0.50
A-033	Ethyl tert-Butyl Ether (ETBE)	ug/l	ND		0.50
34391	Hexachlorobutadiene	ug/l	ND		0.50
77223	Isopropylbenzene	ug/l	ND		0.50
A-011	p-Isopropyltoluene	ug/l	ND		0.50

STORET	VOLATILE ORGANIC CHEMICALS	UNITS	RESULTS	MCL	DLR
46491	Methyl tert-Butyl Ether (MTBE)	ug/l	ND	5	3.00
34696	Naphthalene	ug/l	ND		0.50
77224	n-Propylbenzene	ug/l	ND		0.50
77128	Styrene	ug/l	ND	100	0.50
77562	1,1,1,2-Tetrachloroethane	ug/l	ND		0.50
A-034	tert-Amyl Methyl Ether (TAME)	ug/l	ND		0.50
77035	tert-Butyl Alcohol (TBA)	ug/l	ND		2.50
34516	1,1,2,2-Tetrachloroethane	ug/l	ND	1	0.50
34475	Tetrachloroethene (PCE)	ug/l	ND	5	0.50
34010	Toluene	ug/l	ND	150	0.50
77613	1,2,3-Trichlorobenzene	ug/l	ND		0.50
34551	1,2,4-Trichlorobenzene	ug/l	ND	5	0.50
34506	1,1,1-Trichloroethane (1,1,1-TCA)	ug/l	ND	200	0.50
34511	1,1,2-Trichloroethane (1,1,2-TCA)	ug/l	ND	5	0.50
39180	Trichloroethene (TCE)	ug/l	ND	5	0.50
81611	Trichlorotrifluoroethane (Freon 113)	ug/l	ND	1200	0.50
34488	Trichlorofluoromethane (Freon 11)	ug/l	ND	150	0.50
77222	1,2,4-Trimethylbenzene	ug/l	ND		0.50
77226	1,3,5-Trimethylbenzene	ug/l	ND		0.50
39175	Vinyl chloride	ug/l	ND	0.5	0.50
A-014	m,p-Xylene	ug/l	ND		0.50
77135	o-Xylene	ug/l	ND		0.50
81551	Xylenes (total)	ug/l	ND	1750	0.50
82080	Total Trihalomethanes	ug/l	ND	80	1.00

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.
DL Detection limit
MCL Maximum Contaminant Level

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:_____
James Nathan Hawley, President
Basic Laboratory Inc
California ELAP Cert #1677

cc: Tehama County Environmental Health

The data included in this report relate only to the specific items as received. Interpretation and use of the information included in this report is the sole responsibility of the client. This report may not be reproduced except in full.

21G0682

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

1

☑ 2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494
☐ 3860 Morrow Lane, Suite F Chico, CA 95928 (530) 894-8966 FAX: (530) 894-5143

LABORATORY WORK ORDER # 21G0682
PAGE 1 OF 1

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

MAILING ADDRESS
PO BOX 9062
RED BLUFF, CA 96080

REPORT TO ☑ Email ☐ Mail Hardcopy
NAME / ATTENTION: SHELBY CARVER
PHONE: 541-778-1447

TURN AROUND TIME REQUESTED
☑ Standard ☐ Rush _____

INVOICE TO: SAME

EMAIL: breesewater@gmail.com

SPECIAL INSTRUCTIONS / PO#: CC 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-EDT

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	NO3	VOCs by 524.2
1	7-15-21	0718	AM PM	DWS		✓	WELL 1 RAW	001			✓
2			AM PM				Trip Blank				✓
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								
			AM PM								

ANALYSES REQUESTED

SAMPLED BY: (please print) TONY CASADOS / BASIC LAB

RELINQUISHED DATE / TIME: 7-15-21 1225

SAMPLING / ANALYSIS COMMENTS

☐ 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	DATE/TIME	LOGGED BY LAB	DATE/TIME
P. Ochoa	7-15-21 13:25	P. Ochoa	7-15-21 14:27

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)

2B

SAMPLE RECEIPT CHECKLIST

basic laboratory

WO NUMBER 21G0682

SHIPPING INFORMATION

		Yes	No
Walk-In	☐		
Courier	☐		
FedEx	☐		
UPS	☐	Cooler Present?	☑ ☐
Other	☑		

Samples Received By: RJO Date: 7.15.21

	Yes	No	
Samples received on ice?	☑	☐	Ice type? ☐ Wet ☑ Blue ☐ Other
Samples received the same day collected?	☑	☐	

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	3.8	-06		-11		-16	
-02	7.6	-07		-12		-17	
-03		-08		-13		-18	
-04		-09		-14		-19	
-05		-10		-15		-20	

SAMPLE CONDITION AND PROCESSING

Samples Processed and Labeled By: RJO Date: 7.15.21

	Yes	No	NA	
Custody seals present?	☑	☐	☐	TB only
Samples in proper containers?	☑	☐	☐	RJO 7.15.21
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 _____

☐ H2SO4 (ID_____) ☐ HNO3 (ID_____) ☐ 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?	☐	☐	☐	By:_____ Meter ID:_____
Are proper preservation lables present?	☑	☐	☐	

Preservation checked at Lab? Date & Time _____ Test Strip (ID_____)

Preservation and Preservation Checks performed by: _____

COMMENTS, DISCREPANCEIS, ANOMALIES