



2218 Railroad Avenue
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Analytical Report

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

Report Date: 09/28/22
Lab Sample ID: 2210680-01

System Name: BREESE SUBDIVISION 2
PS Code: CA5200008_002_002
Client Sample ID: 120 Gurnsey Drive
Sampled By: Tony Casados
Employed By: BASIC LABORATORY, INC

Sample Date: 09/15/22 09:05
Sample Received: 09/15/22 14:53
System Number: 5200008

CLIP	Disinfection Byproducts	UNITS	RESULTS	MCL / AL	DLR / RL
2943	Bromodichloromethane	ug/l	ND		1
2942	Bromoform	ug/l	ND		1
2941	Chloroform	ug/l	ND		1
2944	Dibromochloromethane	ug/l	ND		1
2950	Total Trihalomethanes	ug/l	ND	80	4
2450	Monochloroacetic Acid	ug/l	ND		2
2453	Monobromoacetic Acid	ug/l	ND		1
2451	Dichloroacetic Acid	ug/l	ND		1
2454	Dibromoacetic Acid	ug/l	ND		1
2452	Trichloroacetic Acid	ug/l	ND		1
2456	Total Haloacetic Acids (HAA5)	ug/l	ND	60	6

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 (* 250-500-800, ** 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: 2210680
Reported: 09/28/22
Phone: (530) 527-0170

Included in this report are laboratory results for work order 2210680, received on 09/15/22. 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: 120 Gurnsey Drive
Matrix / Type: Drinking Water (Grab)

Lab ID: 2210680-01

Sampled: 09/15/22 09:05
Received: 09/15/22 14:53

Volatile Organic Compounds - Redding Location

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch / Analyst
Bromodichloromethane	ug/l	ND			0.50	EPA 524.2	09/16/22	09/16/22	B211273 / BNG
Bromoform	"	ND			0.50	"	"	"	"
Chloroform	"	ND			0.50	"	"	"	"
Dibromochloromethane	"	ND			0.50	"	"	"	"
Total Trihalomethanes	"	ND			1.00	"	"	"	"

Semi Volatile Organic Compounds - Disinfection Byproducts - Redding Location

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch / Analyst
Monochloroacetic Acid	ug/l	ND			2.00	EPA 552.3	09/25/22	09/22/22	B211383 / BNG
Monobromoacetic Acid	"	ND			1.00	"	"	"	"
Dichloroacetic Acid	"	ND			1.00	"	"	"	"
Dibromoacetic Acid	"	ND			1.00	"	"	"	"
Trichloroacetic Acid	"	ND			1.00	"	"	"	"
Total Haloacetic Acids (HAA5)	"	ND			2.00	"	"	"	"



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Analytical Report

Description: Trip Blank

Matrix / Type: Blank (Trip Blank)

Lab ID: 2210680-02

Sampled: 09/15/22 00:00

Received: 09/15/22 14:53

Volatile Organic Compounds - Redding Location

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch / Analyst
Bromodichloromethane	ug/l	ND			0.50	EPA 524.2	09/16/22	09/16/22	B211273 / BNG
Bromoform	"	ND			0.50	"	"	"	"
Chloroform	"	ND			0.50	"	"	"	"
Dibromochloromethane	"	ND			0.50	"	"	"	"
Total Trihalomethanes	"	ND			1.00	"	"	"	"

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Volatile Organic Compounds - Redding Location Batch B211273 - EPA 5030B Water GCMS										
Blank										
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	0.50	ug/l							
Chloroform	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
Total Trihalomethanes	ND	1.00	ug/l							
LCS										
Bromodichloromethane	9.54	0.50	ug/l	9.30		103	70-130			
Bromoform	9.44	0.50	ug/l	9.30		101	70-130			
Chloroform	10.3	0.50	ug/l	9.30		111	70-130			
Dibromochloromethane	9.16	0.50	ug/l	9.30		98.5	70-130			
LCS Dup										
Bromodichloromethane	9.88	0.50	ug/l	9.30		106	70-130	3.30	20	
Bromoform	10.0	0.50	ug/l	9.30		108	70-130	5.86	20	
Chloroform	10.3	0.50	ug/l	9.30		111	70-130	0.194	20	
Dibromochloromethane	9.54	0.50	ug/l	9.30		103	70-130	4.06	20	
Matrix Spike Source: 2210576-02										
Bromodichloromethane	9.94	0.50	ug/l	9.30	ND	107	70-130			
Bromoform	9.64	0.50	ug/l	9.30	ND	104	70-130			
Chloroform	10.4	0.50	ug/l	9.30	0.25	109	70-130			
Dibromochloromethane	9.52	0.50	ug/l	9.30	ND	102	70-130			
Matrix Spike Dup Source: 2210576-02										
Bromodichloromethane	9.86	0.50	ug/l	9.30	ND	106	70-130	0.806	20	
Bromoform	9.53	0.50	ug/l	9.30	ND	102	70-130	1.15	20	
Chloroform	10.8	0.50	ug/l	9.30	0.25	114	70-130	3.58	20	
Dibromochloromethane	9.20	0.50	ug/l	9.30	ND	98.9	70-130	3.42	20	
Semi Volatile Organic Compounds - Disinfection Byproducts - Redding Location Batch B211393 - EPA 662.3 HAA5 Extraction										
Blank										
Monochloroacetic Acid	ND	2.00	ug/l							
Monobromoacetic Acid	ND	1.00	ug/l							
Dichloroacetic Acid	ND	1.00	ug/l							
Bromoacetic Acid	ND	1.00	ug/l							



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Analyte	Result	RL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	Limit	Qualifier
Semi Volatile Organic Compounds - Disinfection Byproducts - Redding Location Batch B211393 - EPA 552.3 HAA5 Extraction										
Trichloroacetic Acid	ND	1.00	ug/l							
Total Haloacetic Acids (HAA5)	ND	2.00	ug/l							
LCS										
Monochloroacetic Acid	12.6	2.00	ug/l	10.0		126	70-130			
Monobromoacetic Acid	11.1	1.00	ug/l	10.0		111	70-130			
Dichloroacetic Acid	10.2	1.00	ug/l	10.0		102	70-130			
Dibromoacetic Acid	10.3	1.00	ug/l	10.0		103	70-130			
Trichloroacetic Acid	9.17	1.00	ug/l	10.0		91.7	70-130			
LCS Dup										
Monochloroacetic Acid	11.7	2.00	ug/l	10.0		117	70-130	7.26	30	
Monobromoacetic Acid	10.5	1.00	ug/l	10.0		105	70-130	5.17	30	
Dichloroacetic Acid	9.21	1.00	ug/l	10.0		92.1	70-130	9.09	30	
Dibromoacetic Acid	9.82	1.00	ug/l	10.0		98.2	70-130	4.53	30	
Trichloroacetic Acid	8.41	1.00	ug/l	10.0		84.1	70-130	8.58	30	
Matrix Spike Source: 2210571-01										
Monochloroacetic Acid	11.6	2.00	ug/l	10.0	ND	116	70-130			
Monobromoacetic Acid	10.1	1.00	ug/l	10.0	ND	101	70-130			
Dichloroacetic Acid	9.39	1.00	ug/l	10.0	ND	93.9	70-130			
Dibromoacetic Acid	9.94	1.00	ug/l	10.0	ND	99.4	70-130			
Trichloroacetic Acid	8.97	1.00	ug/l	10.0	0.36	86.1	70-130			
Matrix Spike Dup Source: 2210571-01										
Monochloroacetic Acid	12.6	2.00	ug/l	10.0	ND	126	70-130	8.00	30	
Monobromoacetic Acid	10.8	1.00	ug/l	10.0	ND	108	70-130	7.09	30	
Dichloroacetic Acid	9.35	1.00	ug/l	10.0	ND	93.5	70-130	0.461	30	
Dibromoacetic Acid	10.1	1.00	ug/l	10.0	ND	101	70-130	1.58	30	
Trichloroacetic Acid	8.76	1.00	ug/l	10.0	0.36	83.9	70-130	2.43	30	

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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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

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SAMPLE RECEIPT CHECKLIST

WO NUMBER 22I0680

SHIPPING INFORMATION	
Walk-In	☐
Courier	☐
FedEx	☐
UPS	☐
Other	☒
Cooler Present?	Yes ☒ No ☐

Samples Received By: BB Date: 9/15/22

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	15.2	-06		-11		-16	
-02	13.6	-07		-12		-17	
-03		-08		-13		-18	
-04		-09		-14		-19	
-05		-10		-15		-20	

SAMPLE CONDITION AND PROCESSING

Samples Processed and Labeled By: BB

Date: 9/15/22

Yes No NA

Custody seals present?

☒ ☐ ☒

Samples in proper containers?

☒ ☐

Sample containers damaged?

☐ ☒

Sufficient sample volume for indicated tests?

☒ ☐

Imples received within holding times?

☒ ☐

Are VOA vials free of headspace?

☒ ☒ ☐

Dechlor. agent labels present (i.e., colliert, TTHMs)?

☒ ☐ ☐

SAMPLE PRESERVATION

NA ☐

Preserved in the field?

Yes ☒ No ☐ NA ☐

Preserved in the lab?

☐ ☒ ☐

Lab Preservation

Date & Time _____

☐ H2SO4 (ID _____)

☐ HNO3 (ID _____)

☐ NaOH (ID _____)

☐ Other (ID _____)

☐ Other (ID _____)

☐ Other (ID _____)

H2SO4 preserved samples confirmed to pH <2 (i.e., E350.1, SM5220, SM5310)?

Yes ☐ No ☐ NA ☒

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 labels present?

☒ ☐ ☐

By: _____ Meter ID: _____

Preservation checked at Lab?

Date & Time NA

Test Strip (ID _____)

Preservation and Preservation Checks performed by: _____

COMMENTS, DISCREPANCIES, ANOMALIES