



December 11, 2024

RE: POTABLE WATER MONITORING

Enclosed are the results of analyses for samples received by our laboratory on 11/18/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Ricky Jensen'.

Ricky Jensen For Nikki Aceituno
Client Services Manager



2218 Railroad Avenue
Redding, California 96001
voice 530.243.7234
fax 530.243.7494

Analytical Report

Report: CASTLE ROCK WATER
COMPANY

Lab No: 24K0666
Reported: 12/11/24
Phone: (530) 678-4444

Attention:

Project: POTABLE WATER MONITORING PFAS

The following pages contain the laboratory results for Work Order 24K0666, received on 11/18/24. 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.

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
24K0666-01	PFAS 1 LTR CRW BOTTLE	Drinking Water	11/18/2024	11/18/2024
24K0666-02	PFAS FIELD BLANK	Blank	11/18/2024	11/18/2024

Subcontracted Testing

The following samples were subcontracted to an alternative laboratory for test methods listed. The test reports for the subcontracted tests are included as attachments, immediately following the signature page.

PFAS by EPA 533

24K0666-01 (PFAS 1 LTR CRW BOTTLE)
24K0666-02 (PFAS FIELD BLANK)



2218 Railroad Avenue
 Redding, California 96001
 voice 530.243.7234
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Analytical Report

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 # The laboratory does not hold CA-ELAP accreditation for this analyte or method. Accreditation may not be available from CA-ELAP for this analyte or method.
- ** The laboratory holds accreditation for this analyte or method with WA-ECY Lab ID: Lab ID C783. Accreditation is not offered for this method by CA-ELAP
- 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.

Accreditations Held:

Redding Location: CA-ELAP - Cert # 1677
 Chico Location: CA-ELAP - Cert # 2718

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 For Nikki Aceituno, Client Services Manager
 Pace Analytical Services LLC - Redding CA

The data included in this report relate only to the specific items as received, recorded on the Chain of Custody, and analyzed at the laboratory. All data is expressed on a wet-weight basis unless otherwise noted. 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, and may not be modified in any way without prior written approval from Pace Analytical. Use of this report in whole or part for public advertising or any other commercial purpose requires prior written authorization.



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The Standard of Excellence for Over 100 Years

Client Name: Pace Analytical Services Redding
Contact: Nikki Aceituno
Address: 2218 Railroad Ave.
Redding, CA 96001

Analytical Report: Page 1 of 13
Project Name: PFAS
Project Number: 24K0666

Report Date: 06-Dec-2024

Work Order Number: C4K2355
Received on Ice (Y/N): Yes Temp: 3 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
C4K2355-01	24K0666-01 PFAS 1 LTR CRW Bottle	Water	11/18/24 8:45	John Sylvia	11/20/24 09:25	Fed Ex



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Client Name: Pace Analytical Services Redding
 Contact: Nikki Aceituno
 Address: 2218 Railroad Ave.
 Redding, CA 96001

Analytical Report: Page 2 of 13
 Project Name: PFAS
 Project Number: 24K0666

Report Date: 06-Dec-2024

Work Order Number: C4K2355
 Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number

C4K2355-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
24K0666-01 PFAS 1 LTR CRW Bottle	Water	11/18/24 08:45	11/20/24 9:25

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>MDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Per-/Polyfluorinated Alkyl Substances								
Perfluorobutanoic acid (PFBA)	ND	2.0	0.64	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.45	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorohexanoic Acid (PFHxA)	ND	2.0	0.69	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluoroheptanoic Acid (PFHpA)	ND	2.0	0.54	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorooctanoic Acid (PFOA)	ND	2.0	0.48	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorononanoic Acid (PFNA)	ND	2.0	0.56	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorodecanoic Acid (PFDA)	ND	2.0	0.40	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluoroundecanoic Acid (PFUnA)	ND	2.0	0.29	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorododecanoic Acid (PFDoDA)	ND	2.0	0.27	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorobutanesulfonic Acid (PFBS)	ND	2.0	0.44	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluoropentanesulfonate (PFPeS)	ND	2.0	0.57	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorohexanesulfonic Acid (PFHxS)	ND	2.0	0.66	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.38	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluorooctanesulfonic Acid (PFOS)	ND	2.0	0.83	ng/L	EPA 533	12/03/24 23:04	MOF	
4:2 Fluorotelomer Sulfonate	ND	2.0	0.54	ng/L	EPA 533	12/03/24 23:04	MOF	
6:2 Fluorotelomer Sulfonate	ND	5.0	0.76	ng/L	EPA 533	12/03/24 23:04	MOF	
8:2 Fluorotelomer Sulfonate	ND	5.0	0.51	ng/L	EPA 533	12/03/24 23:04	MOF	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	0.77	ng/L	EPA 533	12/03/24 23:04	MOF	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	2.0	0.52	ng/L	EPA 533	12/03/24 23:04	MOF	
9-chlorohexadecafluoro-3-oxanon e-1-sulfonic Acid	ND	2.0	0.42	ng/L	EPA 533	12/03/24 23:04	MOF	
11-chloroeicosafluoro 3-oxaundecane-1-sulfonic Acid	ND	2.0	0.40	ng/L	EPA 533	12/03/24 23:04	MOF	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.33	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.28	ng/L	EPA 533	12/03/24 23:04	MOF	



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Client Name: Pace Analytical Services Redding
 Contact: Nikki Aceituno
 Address: 2218 Railroad Ave.
 Redding, CA 96001

Analytical Report: Page 3 of 13
 Project Name: PFAS
 Project Number: 24K0666

Report Date: 06-Dec-2024

Work Order Number: C4K2355
 Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number

C4K2355-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
24K0666-01 PFAS 1 LTR CRW Bottle	Water	11/18/24 08:45	11/20/24 9:25

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>MDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Per-/Polyfluorinated Alkyl Substances								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.54	ng/L	EPA 533	12/03/24 23:04	MOF	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.47	ng/L	EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C9-PFNA-[IDA]	59%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C8-PFOS-[IDA]	89%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C8-PFOA-[IDA]	55%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C7-PFUnA-[IDA]	66%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C6-PFDA-[IDA]	61%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C5-PFPeA-[IDA]	54%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C5-PFHxA-[IDA]	56%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C4-PFHpA-[IDA]	54%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C4-PFBA-[IDA]	51%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C3-PFHxS-[IDA]	89%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C3-PFBS-[IDA]	91%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C2-PFDoA-[IDA]	71%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C2-8:2 FTS-[IDA]	88%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C2-6:2-FTS-[IDA]	87%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C2-4:2 FTS-[IDA]	97%	50-200			EPA 533	12/03/24 23:04	MOF	
Surrogate: 13C3-HFPO-DA-[IDA]	50%	50-200			EPA 533	12/03/24 23:04	MOF	