245 New York Ranch Rd, Suite A, Jackson, CA 95642 (209) 418-3175
email: atranle@49erwaterlab.com / www.49erwaterlab.com

04/17/2023

Rancho Murietta CSD

Please find the attached report for your water analysis for **Order #12611**. Your sample(s) were received on 03/27/2023 10:45. Your sample(s) were analyzed in accordance with your request with use of AWWA, EPA, ISO/IEC 17025:2017, 2016 TNI Standard and/or approved ELAP methods. All Quality Control results are within acceptable limits except where noted as a notation and/or case summary.

Please feel free to contact us if you have any questions regarding your report(s) or invoice.

We value and thank you for your business.

Sincerely,

A. Tran-Le
Lab Manager

CA ELAP Certification #3036

A FULL SERVICE ENVIRONMENTAL LAB
245 New York Ranch Rd, Suite A, Jackson, CA 95642 (209) 418-3175
email: atranle@49erwaterlab.com / www.49erwaterlab.com

Client: Walk-In Client **Reported:** 04/17/2023
Report To: **Order No:** 12611

Analysis Report

Sample Description: *Rancho Murietta CSD* - Drinking Water **Sample No:** 34447
Location: 15160 Jackson Rd
Point of Collection: Raw
Sampled: 03/27/2023 09:50 **Received:** 03/27/2023 10:45

Analyte	Category	Results	Units	MDL	RL	Prepared	Analyzed	Method
PFAS	Gas Chromatography	**Subcontracted to EA**	Subwork			03/27/23 13:00	04/17/23 21:13	EPA 8327/533

Sample Description: *Rancho Murietta CSD* - Drinking Water **Sample No:** 34448
Location: 15160 Jackson Rd
Point of Collection: Treated Effluent
Sampled: 03/27/2023 10:00 **Received:** 03/27/2023 10:45

Analyte	Category	Results	Units	MDL	RL	Prepared	Analyzed	Method
PFAS	Gas Chromatography	**Subcontracted to EA**	Subwork			03/27/23 13:00	04/17/23 21:13	EPA 8327/533

Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	MDL	% REC	% REC Limits	RPD	RPD Limit	Notes

Signature of Completion:

A. Tran-Le
Lab Manager

Definitions

ND - Non-Detection of analyte at MDL
MDL - Method detection limit for analyte
RL - Reporting limit for analyte
RPD - Recovery % Different
LCS/BS - Laboratory Control Sample or Blank Standard
MS/MSD - Matrix Spike
ICV - Initial Calibration Value
CCV - Completion Calibration Value
TNTC - Too Numerous to Count

Notations

Subcontracted - Date/time for prepared/analyzed refer to when sample was released to/received from sub lab.

Work Order # (Sample #): 12611 (34447-34448)

Sample Receiving/Integrity

Received By: SB **Logged By:** LT **Sample Accepted:** Yes (if No explain in Comment/Status section reason for rejection of sample)

Date/Time: 3/27/23 1045

Customer Info: Rancho Murietta CSD - PFAS

Sample Transport: Courier

Transported in: Ice Chest/Cooler

Has Chilling Process begun: Yes Samples Received: On Ice

Temperature of Sample (°C): 6.9 Field Temperature: NA Ice Chest Temperature: 0.0

*Corrected temperature is recorded, after taking temp, make the +/- from IR1 label and record that temperature.

Bottle/Sample Analysis Information

Did bottles arrive unbroken and intact? Yes
Sample is within Hold Time? Yes
Did bottle labels agree with COC? Yes
Correct containers used? Yes Bottle Lot# if from Lab: _____
Were correct preservatives used for tests requested? Yes
Was there a sufficient sample volume? Yes
Were bubbles present in VOA Vials? (Volatile methods only) NA
Chlorine Residual Check (Bacteriological ONLY) Yes CND

Turn-Around Time: Standard COC completed: Yes

Payment Information: Bill Payment Info_____

Report Request via: Email Email: _____

Due Date: 4/27/23

Samples in Order: 2

Notification needed for bacteria and/or exceed of limits for drinking H2O: Yes

Additional Comments/Instructions:
Sub to Vista

49ER WATER
A FULL SERVICE ENVIRONMENTAL LAB

245 New York Ranch Rd, Suite A
Jackson, CA 95642
phone (209) 418-3175
email: atranle@49erwaterlab.com
www.49erwaterlab.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Special Requests/Instructions/Comments: EDT Report

Reports Requested (Check Box):	Email	Mail	Portal	State Form	PWS#
	X				

Laboratory/Customer: Rancho Murietta CSD

Project Manager: Le

Project Name: Water Testing

Project Location: **15160 Jackson Rd**

Phone:

Email:

Sampled By: 49er Water - SB

Number of Containers	Sample Info	Sample: Grab	Sample: Composite	Sampling: Date	Sampling: Time	Container: VOA	Container: Glass	Container: Plastic	Container: Other:	Preservatives: Cold (<4° C)	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives: Other:	Matrix: Drinking Water	Matrix: Waste Water	Matrix: Surface Water/Stream	Matrix: Sludge/Soil	Matrix: Other:	PFAS	TAT: Standard	TAT: RUSH: 24HRS (if applicable) 48HRS, 3 DAYS, 5 DAYS
	Raw	X		03/27/23	950			X		X					X					X	X	
	Treated Effluent	X		03/27/23	1000			X		X					X					X	X	

Total # of Containers:

Relinquished by:	Date	Time	Received by:	Logged In
	3/27/2023	1045		

April 14, 2023

Enthalpy Analytical - El Dorado Hills
Work Order No. 2303218

Mr. Le Tran
49er Water Services
245 New York Ranch Rd Ste A
Jackson, CA 95642

Dear Mr. Tran,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 27, 2023 under your Project Name '12611 - Drinking Water'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at christopher.whitehead@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

C.R. Whitehead

Chris Whitehead
Project Manager

Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .

Enthalpy Analytical - EDH Work Order No. 2303218
Case Narrative

Sample Condition on Receipt:

Two drinking water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. The collection time for sample "34448" was listed as "09:50" on the container label.

Analytical Notes:

EPA Method 537.1

The samples were extracted and analyzed for a selected list of PFAS using EPA Method 537.1.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

Two Laboratory Fortified Blanks (LFB/LFBD) and a Laboratory Reagent Blank (LRB) were extracted and analyzed with the preparation batch. No analytes were detected in the LRB above the method required limits. The LFB/LFBD recoveries were within the method acceptance criteria.

The surrogate recoveries for all QC and field samples were within the acceptance criteria.

TABLE OF CONTENTS

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2303218-01	34447	27-Mar-23 09:50	27-Mar-23 13:51	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL
2303218-02	34448	27-Mar-23 10:00	27-Mar-23 13:51	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: LRB

EPA Method 537.1

Client Data

Name: 49er Water Services
Project: 12611 - Drinking Water
Matrix: Aqueous

Laboratory Data

Lab Sample: B23C308-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFHxA	307-24-4	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFHpA	375-85-9	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFHxS	355-46-4	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFOA	335-67-1	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFNA	375-95-1	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFOS	1763-23-1	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFDA	335-76-2	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
MeFOSAA	2355-31-9	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
EtFOSAA	2991-50-6	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFUnA	2058-94-8	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFDoA	307-55-1	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFTrDA	72629-94-8	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
PFTeDA	376-06-7	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
HFPO-DA	13252-13-6	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
ADONA	919005-14-4	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
9Cl-PF3ONS	756426-58-1	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
11Cl-PF3OUdS	763051-92-9	ND	2.00		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	SURR	96.3	70 - 130		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
13C2-PFDA	SURR	87.5	70 - 130		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
d5-EtFOSAA	SURR	103	70 - 130		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1
13C3-HFPO-DA	SURR	110	70 - 130		B23C308	31-Mar-23	0.250 L	04-Apr-23 09:21	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: LFBD **EPA Method 537.1**

Name:	49er Water Services	Lab Sample:	B23C308-BS1/B23C308-BSD1
Project:	12611 - Drinking Water	QC Batch:	B23C308
Matrix:	Aqueous	Samp Size:	0.250/0.250 L
		Date Extracted:	31-Mar-23
		Column:	BEH C18

Analyte	CAS Number	LFB (ng/L)	LFB Spike	LFB % Rec	LFB Quals	LFBD (ng/L)	LFBD Spike	LFBD % Rec	RPD	LFBD Quals	%Rec Limits	RPD Limits	LFB Analyzed	LFB Dil	LFBD Analyzed	LFBD Dil
PFBS	375-73-5	67.0	70.8	94.7		71.3	70.8	101	6.20		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFHxA	307-24-4	73.1	80.0	91.3		73.1	80.0	91.4	0.0990		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFHpA	375-85-9	75.8	80.0	94.8		77.1	80.0	96.4	1.64		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFHxS	355-46-4	71.8	72.8	98.6		76.8	72.8	106	6.75		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFOA	335-67-1	75.0	80.0	93.8		81.9	80.0	102	8.77		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFNA	375-95-1	71.3	80.0	89.1		75.6	80.0	94.5	5.91		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFOS	1763-23-1	71.6	74.0	96.7		72.7	74.0	98.3	1.57		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFDA	335-76-2	64.5	80.0	80.7		70.4	80.0	88.0	8.66		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
MeFOSAA	2355-31-9	74.7	80.0	93.4		77.1	80.0	96.4	3.13		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
EtFOSAA	2991-50-6	79.5	80.0	99.4		79.6	80.0	99.5	0.0431		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFUnA	2058-94-8	62.3	80.0	77.8		64.6	80.0	80.7	3.63		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFDoA	307-55-1	63.6	80.0	79.5		63.9	80.0	79.8	0.393		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFTrDA	72629-94-8	61.0	80.0	76.2		66.7	80.0	83.4	9.01		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
PFTeDA	376-06-7	60.1	80.0	75.1		65.0	80.0	81.3	7.95		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
HFPO-DA	13252-13-6	84.2	80.0	105		86.5	80.0	108	2.67		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
ADONA	919005-14-4	72.7	75.6	96.2		74.8	75.6	98.9	2.81		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
9Cl-PF3ONS	756426-58-1	73.0	74.4	98.2		78.2	74.4	105	6.78		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1
11Cl-PF3OUdS	763051-92-9	70.0	75.2	93.1		75.5	75.2	100	7.57		70-130	30	04-Apr-23 09:32	1	04-Apr-23 09:43	1

Labeled Standards	Type	LFB % Rec	LFB Quals	LFBD % Rec	LFBD Quals	Limits	LFB Analyzed	LFB Dil	LFBD Analyzed	LFBD Dil
13C2-PFHxA	SURR	94.1		95.9		70 - 130	04-Apr-23 09:32	1	04-Apr-23 09:43	1
13C2-PFDA	SURR	82.5		89.8		70 - 130	04-Apr-23 09:32	1	04-Apr-23 09:43	1
d5-EtFOSAA	SURR	94.7		92.7		70 - 130	04-Apr-23 09:32	1	04-Apr-23 09:43	1
13C3-HFPO-DA	SURR	107		112		70 - 130	04-Apr-23 09:32	1	04-Apr-23 09:43	1

Sample ID: 34447 **EPA Method 537.1**

Client Data

Name: 49er Water Services
Project: 12611 - Drinking Water
Location: Raw
Matrix: Drinking Water
Date Collected: 27-Mar-23 09:50

Laboratory Data

Lab Sample: 2303218-01
Date Received: 27-Mar-23 13:51
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFHxA	307-24-4	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFHpA	375-85-9	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFHxS	355-46-4	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFOA	335-67-1	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFNA	375-95-1	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFOS	1763-23-1	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFDA	335-76-2	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
MeFOSAA	2355-31-9	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
EtFOSAA	2991-50-6	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFUnA	2058-94-8	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFDoA	307-55-1	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFTrDA	72629-94-8	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
PFTeDA	376-06-7	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
HFPO-DA	13252-13-6	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
ADONA	919005-14-4	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
9Cl-PF3ONS	756426-58-1	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
11Cl-PF3OUdS	763051-92-9	ND	2.00		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	SURR	99.2	70 - 130		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
13C2-PFDA	SURR	90.7	70 - 130		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
d5-EtFOSAA	SURR	99.2	70 - 130		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1
13C3-HFPO-DA	SURR	108	70 - 130		B23C308	31-Mar-23	0.249 L	04-Apr-23 11:22	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: 34448 **EPA Method 537.1**

Client Data

Name: 49er Water Services
Project: 12611 - Drinking Water
Location: Treated Effluent
Matrix: Drinking Water
Date Collected: 27-Mar-23 10:00

Laboratory Data

Lab Sample: 2303218-02
Date Received: 27-Mar-23 13:51
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFHxA	307-24-4	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFHpA	375-85-9	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFHxS	355-46-4	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFOA	335-67-1	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFNA	375-95-1	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFOS	1763-23-1	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFDA	335-76-2	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
MeFOSAA	2355-31-9	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
EtFOSAA	2991-50-6	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFUnA	2058-94-8	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFDoA	307-55-1	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFTrDA	72629-94-8	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
PFTeDA	376-06-7	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
HFPO-DA	13252-13-6	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
ADONA	919005-14-4	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
9Cl-PF3ONS	756426-58-1	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
11Cl-PF3OUdS	763051-92-9	ND	1.96		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	SURR	94.2	70 - 130		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
13C2-PFDA	SURR	89.2	70 - 130		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
d5-EtFOSAA	SURR	96.0	70 - 130		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1
13C3-HFPO-DA	SURR	106	70 - 130		B23C308	31-Mar-23	0.255 L	04-Apr-23 11:34	1

RL - Reporting limit

Results reported to RL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

49ER WATER
A FULL SERVICE ENVIRONMENTAL LAB
245 New York Ranch Rd, Suite A, Jackson, CA 95642 (209) 418-3175
email: atranle@49erwaterlab.com / www.49erwaterlab.com

2303218

5.5°C

Client:	49er Water Lab	**Subcontracted to:**	Vista Analytical
Report To:	Le Tran 245 New York Ranch Rd, Suite A Jackson, CA 95642 (209) 418-3175 atranle@49erwaterlab.com		1104 Windfield Way El Dorado Hills, CA 95762
Invoice To:	Le Tran	**Date of Order:**	03/27/2023

Please Use Project/Sample ID in Report.

Subcontract COC

Project: **12611** - Drinking Water
Location: 15160 Jackson Rd
Point of Collection: Raw
Sample Date/Time: 03/27/2023 09:50
Received Date/Time: 03/27/2023 10:45
Sample No: 34447

Requested Analyte	TAT	Matrix	Comments
PFAS	Standard	**Drinking Water**	

Project: **12611** - Drinking Water
Location: 15160 Jackson Rd
Point of Collection: Treated Effluent
Sample Date/Time: 03/27/2023 10:00
Received Date/Time: 03/27/2023 10:45
Sample No: 34448

Requested Analyte	TAT	Matrix	Comments
PFAS	Standard	**Drinking Water**	

Relinquished by: 49ER WATER LAB Date/Time: 03/27/2023, 1351 MS

Received by: MS Date/Time: 03/27/23 1351

Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

☐ CLIP Requested (see PWS above)

☐ Report to County (Environmental Health) _____

For questions or information, call Le Tran at 916-281-9730 or Shane Burr at 530-277-2770.

Sample Log-In Checklist

ENTHALPY ANALYTICAL

Page # 1 of 1

Work Order #: 2303218 TAT STd

Samples Arrival:	**Date/Time** 03/27/23 1351		**Initials:** MWS		**Location:** WR-2 **Shelf/Rack:** N/A		
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 5.7 (uncorrected) **Temp °C:** 5.5 (corrected)			**Probe used: Y / (N)**		**Thermometer ID:** IR-4		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill — Trk # —			✓
Shipping Documentation Present?			✓
Shipping Container: Enthalpy / (Client) / Retain / Return / (Dispose)			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 03/28/23 11:22	**Initials:** MW	**Location:** R-13, WR-2 **Shelf/Rack:** A-1, E-6
COC Anomaly/Sample Acceptance Form completed?	✓		

Comments:

CoC/Label Reconciliation Report WO# 2303218

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2303218-01	A 34447	☑	Raw	27-Mar-23 09:50	☐	HDPE Bottle, 250 mL	Aqueous	
2303218-01	B 34447	☑	Raw	27-Mar-23 09:50	☐	HDPE Bottle, 250 mL	Aqueous	
2303218-02	A 34448	☑	Treated Effluent	27-Mar-23 10:~~48~~ 50	☐	HDPE Bottle, 250 mL	Aqueous	
2303218-02	B 34448	☑	Treated Effluent	27-Mar-23 10:~~48~~ 50	☐	HDPE Bottle, 250 mL	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments: (A) The time is not legible. Data reconciled
(B) Sample bag time - 09:50

Preservation Documented: Na2S2O3 (Trizma T6) NH4CH3CO2 None Other

Verifed by/Date: 14 03/28/23

ENTHALPY ANALYTICAL

ANOMALY FORM

Work Order # 2303218

Initial/Date — The following checked issues were noted during sample receipt and login:

- ☐ **1. The samples were received out of temperature at (WI-PHT): _____**
  Was Ice present: Yes No Melted Blue Ice
- ☐ 2. The Chain-of-Custody (CoC) was not relinquished properly.
- ☐ 3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
- ☐ 4. The sample(s) did not include a sample collection time. All or Sample Name: _____
- ☐ 5. A sample ID discrepancy was found. See the Reconciliation report.
  The CoC Sample ID will be used unless notified otherwise.
- YA 03/28/23 ☑ 6. A sample date and/or time discrepancy was found. See the Reconciliation report.
  The CoC Sample date/time will be used unless notified otherwise.
- ☐ **7. The CoC did not include a sample matrix. The following sample matrix will be used: _____**
- ☐ **8. Insufficent volume received for analysis. All or Sample Name: _____**
- ☐ 9. The backup bottle was received broken. Sample Name: _____
- ☐ **10. CoC not received, illegible or destroyed.**
- ☐ **11. The sample(s) were received out of holding time. All or Sample Name: _____**
- ☐ **12. The CoC did not include an analysis. All or Sample Name: _____**
- ☐ **13. Sample(s) received without collection date. All or Sample Name: _____**
- ☐ **14. Sample(s) not received. All or Sample Name: _____**
- ☐ **15. Sample(s) received broken. All or Sample Name: _____**
- ☐ **16. An incorrect container-type was used. All or Sample Name: _____**
- ☐ 17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples.
  Will proceed with analysis and narrate unless notified otherwise.
- ☐ 18. Other:

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Lab Project Manager: _____

Resolution: