



12 March 2021

Todd Allen Tierra Buena Water Company 6808 N. Dysart Rd., Suite 112 Glendale, AZ 85307

RE: Drinking Water Tierra Buena

Laboratory Work Order No.: 21C0191

Legend Technical Services of Arizona, Inc. is pleased to provide the enclosed analytical results for the aforementioned project. These results relate only to the items tested. This cover letter and the accompanying pages represent the full report for these analyses and should only be reproduced in full. Samples for this project were received by the laboratory on 03/02/21 10:00.

The samples were processed in accordance with the Chain of Custody document and the results presented relate only to the samples tested. The Chain of Custody is considered part of this report.

All samples will be retained by LEGEND for 30 days from the date of this report and then discarded unless other arrangements are made. Due to hold-time and method sample volume requirements, microbiological samples are not retained unless other arrangements are made.

This entire report was reviewed and approved for release by the undersigned. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

LEGEND TECHNICAL SERVICES OF ARIZONA, INC.

Victoria Newman

Client Services Representative

(602) 324-6100

This laboratory report is confidential and is intended for the sole use of LEGEND and it's client.

Project: Drinking Water Tierra Buena

Project Number: TB Well 2 07-073 Client Manager: Todd Allen

Reported: 03/12/21 09:58

#### **ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID Matrix		Туре	Date Sampled	Date Received
TBWC (Well 2)	21C0191-01	Drinking Water	Grab	03/02/21 09:00	03/02/21 10:00
TBWC (Well 2) FB	21C0191-02	Drinking Water	Grab	03/02/21 09:00	03/02/21 10:00

#### Sample Condition Upon Receipt:

Temperature: 12.30 C

All samples were received in acceptable condition unless noted otherwise in the case

narrative.

**Case Narrative:** 

**Holding Times:** All holding times were met unless otherwise qualified.

QA/QC Criteria: All analyses met method requirements unless otherwise qualified. Certifications: AZ(PHX)0004, AZ(TUC)OOO4, AIHA#102982, CDC ELITE Member.

Accreditation is applicable only to the test methods specified on each scope of accreditation held by LEGEND.

**Comments:** There were no problems encountered during the processing of the samples, unless otherwise noted.

All samples were analyzed on a "wet" basis unless designated as "dry weight".

Project Number: TB Well 2 07-073 Client Manager: Todd Allen **Reported:** 03/12/21 09:58

### TBWC (Well 2) (21C0191-01) Drinking Water (Grab) Sampled: 03/02/21 09:00 Received: 03/02/21 10:00

Analyte	Result	PQL	Units	Dilutio	on Batch	Prepared	Analyzed	Method	Notes
	Legend	Technical	Service	s of A	rizona, Inc	<b>)</b> .			
Semi-Volatile Organic Compounds									
11CI-PF3OUdS	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
9CI-PF3ONS	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
HFPO-DA (GenX)	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
NaDONA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
N-EtFOSAA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
N-MeFOSAA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFBS	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFDA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFDoA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFHpA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFHxA	2.47	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFHxS	6.02	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFNA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFOA	2.22	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFOS	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFTeDA (PFTA)	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFTrDA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
PFUdA	<1.72	1.72	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 22:54	EPA 537.1	
Surrogate: C2-PFDA (SURR)		97 %	70	0-130	B10	03/03	3/21 03/05	5/21 EPA 537.	
Surrogate: C2-PFHxA (SURR)		101 %	70	0-130	B10	03/03	3/21 03/05	5/21 EPA 537.	
Surrogate: C3-HFPO-DA (SURR)		104 %	70	0-130	B10	03/03	3/21 03/05	5/21 EPA 537.	
Surrogate: d5-n-EtFOSAA (SURR)		96 %	70	0-130	B10	03/03	3/21 03/05	5/21 EPA 537.	

### TBWC (Well 2) FB (21C0191-02) Drinking Water (Grab) Sampled: 03/02/21 09:00 Received: 03/02/21 10:00

Analyte	Result	PQL	Units	Dilutio	on Batch	Prepared	Analyzed	Method	Notes
	Legend T	echnical	Service	s of A	rizona, Inc				
Semi-Volatile Organic Compounds									
11CI-PF3OUdS	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
9CI-PF3ONS	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
HFPO-DA (GenX)	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
NaDONA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
N-EtFOSAA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
N-MeFOSAA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFBS	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFDA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFDoA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFHpA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFHxA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFHxS	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFNA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFOA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFOS	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFTeDA (PFTA)	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
PFTrDA	<1.87	1.87	ng/L	1	B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	

Legend Technical Services of Arizona, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laboratory Work Order No.: 21C0191

Project: Drinking Water Tierra Buena

Project Number: TB Well 2 07-073 Client Manager: Todd Allen Reported: 03/12/21 09:58

### TBWC (Well 2) FB (21C0191-02) Drinking Water (Grab) Sampled: 03/02/21 09:00 Received: 03/02/21 10:00

Analyte	Result	PQL	Units	Dilution Batch	Prepared	Analyzed	Method	Notes
	Legend	Technical	Services	s of Arizona, In	C.			
Semi-Volatile Organic Compounds								
PFUdA	<1.87	1.87	ng/L	1 B1C1109	03/03/21 07:30	03/05/21 23:40	EPA 537.1	
Surrogate: C2-PFDA (SURR)		88 %	70	-130 B1	C1109 03/03	2/21 03/05/	'21 EPA 537.1	
Surrogate: C2-PFHxA (SURR)		99 %	70	-130 B1	C1109 03/03	2/21 03/05/	<b>'21</b> EPA 537.1	
Surrogate: C3-HFPO-DA (SURR)		101 %	70	-130 B1	C1109 03/03	2/21 03/05/	<b>'21</b> EPA 537.1	
Surrogate: d5-n-EtFOSAA (SURR)		94 %	70	-130 B1	C1109 03/03	3/21 03/05/	'21 EPA 537.1	

Project: Drinking Water Tierra Buena

Project Number: TB Well 2 07-073 Client Manager: Todd Allen

**Reported:** 03/12/21 09:58

### Semi-Volatile Organic Compounds - Quality Control Legend Technical Services of Arizona, Inc.

		Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	ı

Ratch	R1C1100	) - Default	Dron (	GC-Sami

Blank (B1C1109-BLK1)			Prepared: 03/03/21 Analyzed: 03/05/21
11CI-PF3OUdS	<2.00	2.00	ng/L
11CI-PF3OUdS	<2.00	2.00	ng/L
9CI-PF3ONS	<2.00	2.00	ng/L
9CI-PF3ONS	<2.00	2.00	ng/L
HFPO-DA (GenX)	<2.00	2.00	ng/L
HFPO-DA (GenX)	<2.00	2.00	ng/L
NaDONA	<2.00	2.00	ng/L
NaDONA	<2.00	2.00	ng/L
N-EtFOSAA	<2.00	2.00	ng/L
N-EtFOSAA	<2.00	2.00	ng/L
N-MeFOSAA	<2.00	2.00	ng/L
N-MeFOSAA	<2.00	2.00	ng/L
PFBS	<2.00	2.00	ng/L
PFBS	<2.00	2.00	ng/L
PFDA	<2.00	2.00	ng/L
PFDA	<2.00	2.00	ng/L
PFDoA	<2.00	2.00	ng/L
PFDoA	<2.00	2.00	ng/L
PFHpA	<2.00	2.00	ng/L
PFHpA	<2.00	2.00	ng/L
PFHxA	<2.00	2.00	ng/L
PFHxA	<2.00	2.00	ng/L
PFHxS	<2.00	2.00	ng/L
PFHxS	<2.00	2.00	ng/L
PFNA	<2.00	2.00	ng/L
PFNA	<2.00	2.00	ng/L
PFOA	<2.00	2.00	ng/L
PFOA	<2.00	2.00	ng/L
PFOS	<2.00	2.00	ng/L
PFOS	<2.00	2.00	ng/L
PFTeDA (PFTA)	<2.00	2.00	ng/L
PFTeDA (PFTA)	<2.00	2.00	ng/L
PFTrDA	<2.00	2.00	ng/L
PFTrDA	<2.00	2.00	ng/L
PFUdA	<2.00	2.00	ng/L
PFUdA	<2.00	2.00	ng/L

Project Number: TB Well 2 07-073 Client Manager: Todd Allen

Reported: 03/12/21 09:58

### **Semi-Volatile Organic Compounds - Quality Control** Legend Technical Services of Arizona, Inc.

		Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	ı

LCS (B1C1109-BS1) Prepared: 03/03/21 Analyzed: 0	Prepared: 03/03/21 Analyzed: 03/05/21								
11CI-PF3OUdS 18.2 2.00 ng/L 18.8 97	70-130								
11CI-PF3OUdS 18.2 2.00 ng/L 18.8 97	70-130								
9CI-PF3ONS 18.0 2.00 ng/L 18.6 97	70-130								
9CI-PF3ONS 18.0 2.00 ng/L 18.6 97	70-130								
HFPO-DA (GenX) 20.9 2.00 ng/L 20.0 105	70-130								
HFPO-DA (GenX) 20.9 2.00 ng/L 20.0 105	70-130								
NaDONA 18.5 2.00 ng/L 18.9 98	70-130								
NaDONA 18.5 2.00 ng/L 18.9 98	70-130								
N-EtFOSAA 20.7 2.00 ng/L 20.0 104	70-130								
N-EtFOSAA 20.7 2.00 ng/L 20.0 104	70-130								
N-MeFOSAA 20.5 2.00 ng/L 20.0 103	70-130								
N-MeFOSAA 20.5 2.00 ng/L 20.0 103	70-130								
PFBS 18.6 2.00 ng/L 17.7 105	70-130								
PFBS 18.6 2.00 ng/L 17.7 105	70-130								
PFDA 19.2 2.00 ng/L 20.0 96	70-130								
PFDA 19.2 2.00 ng/L 20.0 96	70-130								
PFDoA 20.9 2.00 ng/L 20.0 104	70-130								
PFDoA 20.9 2.00 ng/L 20.0 104	70-130								
PFHpA 19.8 2.00 ng/L 20.0 99	70-130								
PFHpA 19.8 2.00 ng/L 20.0 99	70-130								
PFHxA 20.1 2.00 ng/L 20.0 101	70-130								
PFHxA 20.1 2.00 ng/L 20.0 101	70-130								
PFHxS 19.3 2.00 ng/L 18.9 102	70-130								
PFHxS 19.3 2.00 ng/L 18.9 102	70-130								
PFNA 19.6 2.00 ng/L 20.0 98	70-130								
PFNA 19.6 2.00 ng/L 20.0 98	70-130								
PFOA 19.5 2.00 ng/L 20.0 98	70-130								
PFOA 19.5 2.00 ng/L 20.0 98	70-130								
PFOS 18.0 2.00 ng/L 19.1 94	70-130								
PFOS 18.0 2.00 ng/L 19.1 94	70-130								
PFTeDA (PFTA) 18.8 2.00 ng/L 20.0 94	70-130								
PFTeDA (PFTA) 18.8 2.00 ng/L 20.0 94	70-130								
PFTrDA 18.8 2.00 ng/L 20.0 94	70-130								
PFTrDA 18.8 2.00 ng/L 20.0 94	70-130								
PFUdA 19.4 2.00 ng/L 20.0 97	70-130								
PFUUA 19.4 2.00 lig/L 20.0 91									

Project Number: TB Well 2 07-073 Client Manager: Todd Allen Reported: 03/12/21 09:58

## Semi-Volatile Organic Compounds - Quality Control Legend Technical Services of Arizona, Inc.

		Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	L

LCS Dup (B1C1109-BSD1)				Prepared: 03/03/	/21 Analyzed: 03	3/05/21		
11CI-PF3OUdS	17.8	2.00	ng/L	18.8	95	70-130	2	30
11CI-PF3OUdS	17.8	2.00	ng/L	18.8	95	70-130	2	30
9CI-PF3ONS	17.9	2.00	ng/L	18.6	96	70-130	0.7	30
OCI-PF3ONS	17.9	2.00	ng/L	18.6	96	70-130	0.7	30
HFPO-DA (GenX)	20.0	2.00	ng/L	20.0	100	70-130	4	30
HFPO-DA (GenX)	20.0	2.00	ng/L	20.0	100	70-130	4	30
NaDONA `	18.7	2.00	ng/L	18.9	99	70-130	0.9	30
NaDONA	18.7	2.00	ng/L	18.9	99	70-130	0.9	30
N-EtFOSAA	20.1	2.00	ng/L	20.0	101	70-130	3	30
N-EtFOSAA	20.1	2.00	ng/L	20.0	101	70-130	3	30
N-MeFOSAA	19.7	2.00	ng/L	20.0	99	70-130	4	30
N-MeFOSAA	19.7	2.00	ng/L	20.0	99	70-130	4	30
PFBS	17.4	2.00	ng/L	17.7	98	70-130	7	30
PFBS	17.4	2.00	ng/L	17.7	98	70-130	7	30
PFDA	19.3	2.00	ng/L	20.0	97	70-130	0.4	30
PFDA	19.3	2.00	ng/L	20.0	97	70-130	0.4	30
PFDoA	23.6	2.00	ng/L	20.0	118	70-130	12	30
FDoA	23.6	2.00	ng/L	20.0	118	70-130	12	30
PFHpA	19.7	2.00	ng/L	20.0	99	70-130	0.5	30
PFHpA	19.7	2.00	ng/L	20.0	99	70-130	0.5	30
PFHxA	19.7	2.00	ng/L	20.0	99	70-130	2	30
PFHxA	19.7	2.00	ng/L	20.0	99	70-130	2	30
PFHxS	18.5	2.00	ng/L	18.9	98	70-130	4	30
PFHxS	18.5	2.00	ng/L	18.9	98	70-130	4	30
PFNA	19.9	2.00	ng/L	20.0	100	70-130	2	30
PFNA	19.9	2.00	ng/L	20.0	100	70-130	2	30
PFOA	19.3	2.00	ng/L	20.0	96	70-130	1	30
PFOA	19.3	2.00	ng/L	20.0	96	70-130	1	30
PFOS	18.4	2.00	ng/L	19.1	96	70-130	2	30
PFOS	18.4	2.00	ng/L	19.1	96	70-130	2	30
PFTeDA (PFTA)	19.1	2.00	ng/L	20.0	95	70-130	2	30
PFTeDA (PFTA)	19.1	2.00	ng/L	20.0	95	70-130	2	30
PFTrDA	18.3	2.00	ng/L	20.0	92	70-130	2	30
PFTrDA	18.3	2.00	ng/L	20.0	92	70-130	2	30
PFUdA	19.1	2.00	ng/L	20.0	96	70-130	1	30
PFUdA	19.1	2.00	ng/L	20.0	96	70-130	1	30

Prepared: 03/03/21 Analyzed: 03/05/21

Project Number: TB Well 2 07-073 Client Manager: Todd Allen **Reported:** 03/12/21 09:58

### Semi-Volatile Organic Compounds - Quality Control Legend Technical Services of Arizona, Inc.

		Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch B1C1109 - Default Prep GC-Semi			
Matrix Spike (B1C1109-MS1)	Source	ce: 21C0191-0	1
	44.4		

16.1

1.70

ng/L

17.0

<1.70

95

70-130

PFUdA

Project: Drinking Water Tierra Buena

Project Number: TB Well 2 07-073 Client Manager: Todd Allen

**Reported:** 03/12/21 09:58

#### **Notes and Definitions**

BLK Method Blank

LCS/Dup Laboratory Control Sample/Laboratory Fortified Blank/Duplicate

MS/Dup Matrix Spike/Duplicate

Dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

### Laboratory &

Please Print CI

# 21C0191

PM: Victoria Newman

### **CHAIN OF CUSTODY RECORD**



☐ 17631 N. 25th Avenue • Phoenix, AZ 85023 • (602) 324-6100 • Fax (602) 324-6101 ☐ 4585 S. Palo Verde Rd, Ste 423 • Tucson, AZ 85714 • (520) 327-1234 • Fax (520) 327-0518

Page /	of	/

Client Name Tierra Buch	na (n.	Repor	t Mailing Address	2.  C <u>c</u>	C	ity	-		W 0	State	Zip	Pho	ne		IE	nail A	ddres	e
Project Name	<u> </u>	6809	3 N Oysart Rd Ste 11.	2	(	le	19	91	2	AZ	Zip 85307	62		35-11	100 1	odd 1	OVU	NEO.
TB Well 2		rioje	set Number	Co	nta	ict N	lam	e //.		Pu	irchase Order	No.					-	EDD
SAMPLE TYPE CODES	1279	A ID ALL	TURN AROUND TIME		Ta	20	M	110	~			Er	mail Res	ults 📈		Specia	Detection	on Limits 🔲
DW=Drinking S=Soil/Solid Water T=Travel Blank WW=Wastewater F=Food SW=Surface G=Sludge/Biosolids Water GW=Groundwater G=Other		+ 7	Laboratory Authorization Required for Rush tandard 7-10 Day				0	iners	(Lab Use Only!)	1.PF45		REQU	JESTE	DANAL	YSES		//	//
Client's	Sample Date	Sample Time	Sample Location	Composite	Grab	Sample Type	Compliance	lo. of C	> Hd	13/	////	//		//	//	//	//	LAB NO.
VUNCO TBUC	3/2/21	0900	well 2		-	0W	U	2	۵	×	111	+	1-1	-	-	11		
FB					T .	OW		,	111	<del>Ŷ</del>		-		_		+		01
N T			1 11 89,45915	-				-	100	$\rightarrow$			+			$\perp \perp$		20
				1			-	-					1					
CORRECTION MA	DE							_										
BY CLIENT OR COUR	PD I		- CASPAL - BG-1411A				Ш		-									
	EK Strange		- March (82) (- 10)															
PRIOR TO SAMPLE REC	IPT		152 UN 1807775						76									7
ATLEGEND	100		SHAR BUREL														+	
(K 3.3.21														+		-	1-1	
			28 THE PROPERTY.			3		-					++	-	-		4-4	
TO ENSURE CO	MPLETIO	N OF AN	ALYSIS, SAMPLES MUST BE RE	CEIV	ED	AT L	EAS	ST 3	НО	URS PRIC	R TO THE	HOLD	TIME	EVDID	ATION			
omments / Special Instructions:	1177.1		11114 17 1.17								THE STATE OF THE S	TOLD	THALE	LAPIK	AHON		-VOICE	(C) 48H
AMPLE CONDITION UPON RECEIPT (I	ab 11=-> [				7					11 15				7. 7			-	
No. of Containers	Lab USB)	-	On behalf of the above-nan	ned Cl	ient	, I ac	cept	and	d aci	knowledge	receipt of L	egend'.	s Gene	eral Coi	nditions			
Temperature 12.3	°C	①	RELINQUISHED BY				21		SAMPLES RECEIVED BY							100		
Custody Seals Y	N	-	Sampler Signature							16.C. E. Oll	Signature (/ Date 5							ale 3 - 2 - 5
Seals Intact Y	N	3	Sampler Printed Name Atticus Barron					_	_	1000	Printed Name N Bowles Time							ime (00.)
Preserved	N		Sampler Signature Sampler Printed Name					-		ile :	Signature						ale	
ITE-LAB YELLOW-CLIENT		(5)	Sampler Signature	-	-	-	-	-	-	me	Printed Name						Ti	me
132311 323411		-	Sampler Printed Name	-	-			-	Da	nte ne	Signature						Ds	ato
			CENTRE CENTRE	_	_	-	-	_	100	lie	Printed Name						Tir	me