

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Phoenix

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TestAmerica Job ID: 550-79647-1

TestAmerica SDG: Town & Country Elementary School

Client Project/Site: PB in DW/Sierra Vista Public School Dist

For:

Arizona Dept of Environmental Quality

1110 W. Washington St., MC5415B-1

Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:

4/3/2017 9:54:03 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-79647-1	TC-1	Drinking Water	03/17/17 07:30	03/22/17 10:00
550-79647-2	TC-2	Drinking Water	03/17/17 07:30	03/22/17 10:00
550-79647-3	TC-3	Drinking Water	03/17/17 07:45	03/22/17 10:00
550-79647-4	TC-4	Drinking Water	03/17/17 07:45	03/22/17 10:00
550-79647-5	1-1	Drinking Water	03/17/17 07:45	03/22/17 10:00
550-79647-6	1-2	Drinking Water	03/17/17 07:45	03/22/17 10:00
550-79647-7	2-1	Drinking Water	03/17/17 08:00	03/22/17 10:00
550-79647-8	2-2	Drinking Water	03/17/17 08:00	03/22/17 10:00
550-79647-9	3-1	Drinking Water	03/17/17 08:00	03/22/17 10:00
550-79647-10	3-2	Drinking Water	03/17/17 08:00	03/22/17 10:00
550-79647-11	4-1	Drinking Water	03/17/17 08:00	03/22/17 10:00
550-79647-12	4-2	Drinking Water	03/17/17 08:00	03/22/17 10:00

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Client Sample ID: TC-1

Lab Sample ID: 550-79647-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.4		0.50	ppb	1		200.8	Total/NA

Client Sample ID: TC-2

Lab Sample ID: 550-79647-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.9		0.50	ppb	1		200.8	Total/NA

Client Sample ID: TC-3

Lab Sample ID: 550-79647-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.9		0.50	ppb	1		200.8	Total/NA

Client Sample ID: TC-4

Lab Sample ID: 550-79647-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.1		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1-1

Lab Sample ID: 550-79647-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.4		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1-2

Lab Sample ID: 550-79647-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.5		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 2-1

Lab Sample ID: 550-79647-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	12		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 2-2

Lab Sample ID: 550-79647-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.3		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 3-1

Lab Sample ID: 550-79647-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.9		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 3-2

Lab Sample ID: 550-79647-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.1		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 4-1

Lab Sample ID: 550-79647-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead								

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Client Sample ID: 4-1 (Continued)

Lab Sample ID: 550-79647-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.1		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 4-2

Lab Sample ID: 550-79647-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.68		0.50	ppb	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

Client Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Client Sample ID: TC-1

Date Collected: 03/17/17 07:30

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-1

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		0.50	ppb		03/28/17 10:29	03/31/17 19:34	1

Client Sample ID: TC-2

Date Collected: 03/17/17 07:30

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-2

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.9		0.50	ppb		03/28/17 10:29	03/31/17 19:32	1

Client Sample ID: TC-3

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-3

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.9		0.50	ppb		03/28/17 10:29	03/31/17 19:30	1

Client Sample ID: TC-4

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-4

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.1		0.50	ppb		03/28/17 10:29	03/31/17 19:47	1

Client Sample ID: 1-1

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-5

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.4		0.50	ppb		03/28/17 10:29	03/31/17 19:46	1

Client Sample ID: 1-2

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-6

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.5		0.50	ppb		03/28/17 10:29	03/31/17 19:44	1

Client Sample ID: 2-1

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-7

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.50	ppb		03/28/17 10:29	03/31/17 19:42	1

TestAmerica Phoenix

Client Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Client Sample ID: 2-2

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-8

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.50	ppb		03/28/17 10:29	03/31/17 19:40	1

Client Sample ID: 3-1

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-9

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		0.50	ppb		03/28/17 10:35	03/31/17 20:14	1

Client Sample ID: 3-2

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-10

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.1		0.50	ppb		03/28/17 10:35	03/31/17 20:12	1

Client Sample ID: 4-1

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-11

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.1		0.50	ppb		03/28/17 10:35	03/31/17 20:10	1

Client Sample ID: 4-2

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-12

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.68		0.50	ppb		03/28/17 10:35	03/31/17 20:08	1

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-113420/1-A
Matrix: Water
Analysis Batch: 113814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113420

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/28/17 10:29	03/31/17 18:54	1

Lab Sample ID: LCS 550-113420/4-A
Matrix: Water
Analysis Batch: 113814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	102		ppb		102	85 - 115

Lab Sample ID: LCSD 550-113420/5-A
Matrix: Water
Analysis Batch: 113814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	97.3		ppb		97	85 - 115	5	20

Lab Sample ID: 550-79646-A-5-B MS
Matrix: Water
Analysis Batch: 113814

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113420

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	5.4		100	101		ppb		95	70 - 130

Lab Sample ID: 550-79646-A-5-C MSD
Matrix: Water
Analysis Batch: 113814

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113420

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	5.4		100	104		ppb		99	70 - 130	4	20

Lab Sample ID: MB 550-113422/1-A
Matrix: Water
Analysis Batch: 113813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113422

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/28/17 10:35	03/31/17 19:53	1

Lab Sample ID: LCS 550-113422/4-A
Matrix: Water
Analysis Batch: 113813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113422

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	105		ppb		105	85 - 115

Lab Sample ID: LCSD 550-113422/5-A
Matrix: Water
Analysis Batch: 113813

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113422

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	104		ppb		104	85 - 115	1	20

TestAmerica Phoenix

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Lab Sample ID: 550-79648-A-1-B MS

Matrix: Water

Analysis Batch: 113813

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 113422

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.7		100	102		ppb		100	70 - 130

Lab Sample ID: 550-79648-A-1-C MSD

Matrix: Water

Analysis Batch: 113813

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 113422

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1.7		100	103		ppb		101	70 - 130	1	20

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Metals

Prep Batch: 113420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79647-1	TC-1	Total/NA	Drinking Water	200.8	
550-79647-2	TC-2	Total/NA	Drinking Water	200.8	
550-79647-3	TC-3	Total/NA	Drinking Water	200.8	
550-79647-4	TC-4	Total/NA	Drinking Water	200.8	
550-79647-5	1-1	Total/NA	Drinking Water	200.8	
550-79647-6	1-2	Total/NA	Drinking Water	200.8	
550-79647-7	2-1	Total/NA	Drinking Water	200.8	
550-79647-8	2-2	Total/NA	Drinking Water	200.8	
MB 550-113420/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-113420/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-113420/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-79646-A-5-B MS	Matrix Spike	Total/NA	Water	200.8	
550-79646-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Prep Batch: 113422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79647-9	3-1	Total/NA	Drinking Water	200.8	
550-79647-10	3-2	Total/NA	Drinking Water	200.8	
550-79647-11	4-1	Total/NA	Drinking Water	200.8	
550-79647-12	4-2	Total/NA	Drinking Water	200.8	
MB 550-113422/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-113422/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-113422/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-79648-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	
550-79648-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 113813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79647-9	3-1	Total/NA	Drinking Water	200.8	113422
550-79647-10	3-2	Total/NA	Drinking Water	200.8	113422
550-79647-11	4-1	Total/NA	Drinking Water	200.8	113422
550-79647-12	4-2	Total/NA	Drinking Water	200.8	113422
MB 550-113422/1-A	Method Blank	Total/NA	Water	200.8	113422
LCS 550-113422/4-A	Lab Control Sample	Total/NA	Water	200.8	113422
LCSD 550-113422/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	113422
550-79648-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	113422
550-79648-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	113422

Analysis Batch: 113814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79647-1	TC-1	Total/NA	Drinking Water	200.8	113420
550-79647-2	TC-2	Total/NA	Drinking Water	200.8	113420
550-79647-3	TC-3	Total/NA	Drinking Water	200.8	113420
550-79647-4	TC-4	Total/NA	Drinking Water	200.8	113420
550-79647-5	1-1	Total/NA	Drinking Water	200.8	113420
550-79647-6	1-2	Total/NA	Drinking Water	200.8	113420
550-79647-7	2-1	Total/NA	Drinking Water	200.8	113420
550-79647-8	2-2	Total/NA	Drinking Water	200.8	113420
MB 550-113420/1-A	Method Blank	Total/NA	Water	200.8	113420
LCS 550-113420/4-A	Lab Control Sample	Total/NA	Water	200.8	113420
LCSD 550-113420/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	113420

TestAmerica Phoenix

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Metals (Continued)

Analysis Batch: 113814 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79646-A-5-B MS	Matrix Spike	Total/NA	Water	200.8	113420
550-79646-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	113420

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Client Sample ID: TC-1

Date Collected: 03/17/17 07:30

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:34	TEK	TAL PHX

Client Sample ID: TC-2

Date Collected: 03/17/17 07:30

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:32	TEK	TAL PHX

Client Sample ID: TC-3

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:30	TEK	TAL PHX

Client Sample ID: TC-4

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:47	TEK	TAL PHX

Client Sample ID: 1-1

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:46	TEK	TAL PHX

Client Sample ID: 1-2

Date Collected: 03/17/17 07:45

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:44	TEK	TAL PHX

TestAmerica Phoenix

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Client Sample ID: 2-1

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:42	TEK	TAL PHX

Client Sample ID: 2-2

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-8

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113420	03/28/17 10:29	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113814	03/31/17 19:40	TEK	TAL PHX

Client Sample ID: 3-1

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-9

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113422	03/28/17 10:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113813	03/31/17 20:14	TEK	TAL PHX

Client Sample ID: 3-2

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-10

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113422	03/28/17 10:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113813	03/31/17 20:12	TEK	TAL PHX

Client Sample ID: 4-1

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-11

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113422	03/28/17 10:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113813	03/31/17 20:10	TEK	TAL PHX

Client Sample ID: 4-2

Date Collected: 03/17/17 08:00

Date Received: 03/22/17 10:00

Lab Sample ID: 550-79647-12

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113422	03/28/17 10:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113813	03/31/17 20:08	TEK	TAL PHX

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

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Accreditation/Certification Summary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Laboratory: TestAmerica Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0728	06-09-17
Analysis Method	Prep Method	Matrix	Analyte	

Method Summary

Client: Arizona Dept of Environmental Quality
Project/Site: PB in DW/Sierra Vista Public School Dist

TestAmerica Job ID: 550-79647-1
SDG: Town & Country Elementary School

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL PHX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

79647

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	MPB
Type of Fixture (tap, drinking fountain etc.)	fountain - Lower
Location of Fixture (example, room number)	Lunchroom
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	TC-1
Date of Collection	3-17-17
Time of Collection	730 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

550-79647 Chain of Custody



Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-22-17 1000
Signature	[Signature]
Notes: 22.9°C NO ZLB FB Dr.	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

①

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

☒ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	MPB
Type of Fixture (tap, drinking fountain etc.)	fountain - upper
Location of Fixture (example, room number)	Lunchroom
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	TC 2
Date of Collection	3-17-17
Time of Collection	7:30 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

2

These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	office
Type of Fixture (tap, drinking fountain etc.)	fountain
Location of Fixture (example, room number)	Hallway
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	TC-3
Date of Collection	3-17-17
Time of Collection	7:45 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

3

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	office
Type of Fixture (tap, drinking fountain etc.)	faucet
Location of Fixture (example, room number)	nurses office
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	TC-4
Date of Collection	3-17-17
Time of Collection	745 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	<i>Daniel Shaw</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

(4)

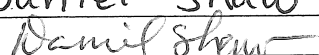
These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	Bldg 1
Type of Fixture (tap, drinking fountain etc.)	Fountain
Location of Fixture (example, room number)	Rm 11
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1-1
Date of Collection	3-17-17
Time of Collection	745 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____



These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	Bldg. 1
Type of Fixture (tap, drinking fountain etc.)	fountain
Location of Fixture (example, room number)	Rm 16
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1-2
Date of Collection	3-17-17
Time of Collection	7:45 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

6

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	Bldg. 2
Type of Fixture (tap, drinking fountain etc.)	Fountain
Location of Fixture (example, room number)	Rm 22
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	2-1
Date of Collection	3-17-17
Time of Collection	8:00 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	Bldg 2
Type of Fixture (tap, drinking fountain etc.)	fountain
Location of Fixture (example, room number)	Rm 25
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	2-2
Date of Collection	3-17-17
Time of Collection	8:00 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

8

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Townand Country Elem.
Building (name/number)	3
Type of Fixture (tap, drinking fountain etc.)	fountain - upper
Location of Fixture (example, room number)	Hallway
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	3-1
Date of Collection	3-17-17
Time of Collection	800 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

9

These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Townand Country Elem.
Building (name/number)	3
Type of Fixture (tap, drinking fountain etc.)	fountain - Lower
Location of Fixture (example, room number)	Hallway
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	3-2
Date of Collection	3-17-17
Time of Collection	800 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	4-
Type of Fixture (tap, drinking fountain etc.)	Fountain upper
Location of Fixture (example, room number)	Hallway
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	4-1
Date of Collection	3-17-17
Time of Collection	800 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____



These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

☒ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sierra Vista Public Schools
School Name	Town and Country Elem.
Building (name/number)	4
Type of Fixture (tap, drinking fountain etc.)	fountain lower
Location of Fixture (example, room number)	Hallway
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	4-2
Date of Collection	3-17-17
Time of Collection	800 AM
Printed Name of Sample Collector	Daniel Shaw
Signature Sample Collector	Daniel Shaw

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

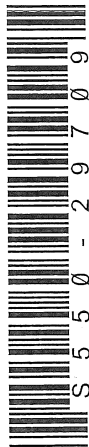
Relinquished date and signature _____

12

These samples were collected for lead screening purposes only and cannot be used for compliance.

Shipping Order Form - Bottle Order

TestAmerica Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone (602) 437-3340 Fax (602) 454-9303



Shipping Order ID: 29709

Ship Via: FedEx Ground

Due On: 3/13/2017 11:59:00PM

Ship To Information

Project Manager: Susan Armijo
Company Name: Sierra Vista Unified District
Attention: Attn: Jim Torry
Address 1: 3555 E. Fry Boulevard
Address 2: Town & Country Elementary School
Address 3:
City: Sierra Vista
State: AZ
Zip: 85635
Phone #: (520) 515-2777
Project Ref: Lead in Drinking Water

Notes to Bottle/Shipping Department

Ship in one box with return label and box for shipping

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Ready to Fill | <input type="checkbox"/> Labels with Bottles | <input type="checkbox"/> Rebill Freight |
| <input type="checkbox"/> Seals on Coolers | <input type="checkbox"/> Preprinted | <input checked="" type="checkbox"/> Return Shipment Labels |
| <input type="checkbox"/> Seals on Bottle | <input checked="" type="checkbox"/> Labels on Bottles | <input type="text" value="1"/> Number of Return Shipment Labels |
| <input type="checkbox"/> Bottle Sets | | (Prepaid Return) |
| <input type="checkbox"/> Ice Cooler | | |

Shipping Assets

Assets	Quantity	Description	Filled
			<input type="checkbox"/>

Bottle Order Information

Bottle Order: Lead in Drinking Water
Bottle Order #: 9707
Request From Client: 3/6/2017 4:38:48PM
Date Order Posted: 3/6/2017 4:38:48PM
Order Status: Ready To Process
Prepared By: Amanda Barkley
Deliver By Date: 3/13/2017 11:59:00PM
Lab Project Number: 55009093

Order Completion Information

Creator: Amanda Barkley
Filled by:
Sent Date:
Sent Via:
Tracking #:

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #
12	1	12	Plastic 250ml - unpreserved	None	200.8 - Lead	Water	Normal		

Notes to Field Staff:**Health and Safety Notes:**

Preservative Comment

Relinquished By	Company	Date	Time	Received By	Company	Seal #: Seal #: Seal #:
Relinquished By	Company	Date	Time	Received By	Company	Seal #: Seal #: Seal #:

Please notify us immediately if an error is found in shipment

Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-79647-1

SDG Number: Town & Country Elementary School

Login Number: 79647

List Number: 1

Creator: Vilaboy, Monica

List Source: TestAmerica Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.