

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Phoenix

4625 East Cotton Ctr Blvd

Suite 189

Phoenix, AZ 85040

Tel: (602)437-3340

TestAmerica Job ID: 550-79655-1

TestAmerica Sample Delivery Group: Cibola High School

Client Project/Site: Pb in DW/Yuma Union High School District

For:

Arizona Dept of Environmental Quality

1110 W. Washington St., MC5415B-1

Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:

4/6/2017 6:38:17 PM

Jannel Franklin, Project Manager I

(732)593-2551

[jannel.franklin@testamericainc.com](mailto:jannel.franklin@testamericainc.com)

Designee for

Susan Armijo, Project Manager II

(602)659-7664

[susan.armijo@testamericainc.com](mailto:susan.armijo@testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

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

### LINKS

Review your project  
results through

Total Access

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Sample Summary . . . . .	5
Detection Summary . . . . .	6
Client Sample Results . . . . .	7
QC Sample Results . . . . .	9
QC Association Summary . . . . .	11
Lab Chronicle . . . . .	12
Certification Summary . . . . .	14
Method Summary . . . . .	15
Chain of Custody . . . . .	16
Receipt Checklists . . . . .	31

## Definitions/Glossary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High School

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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)

# Case Narrative

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High School

**Job ID: 550-79655-1**

**Laboratory: TestAmerica Phoenix**

## Narrative

### Job Narrative 550-79655-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/22/2017 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 23.9° C.

#### Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 1001 (550-79655-1), 1002 (550-79655-2), 1003 (550-79655-3), 1004 (550-79655-4), 1005 (550-79655-5), 1006 (550-79655-6), 1007 (550-79655-7), 1008 (550-79655-8), 1009 (550-79655-9), 1012 (550-79655-10) and 1014 (550-79655-11). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Sample Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High School

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-79655-1	1001	Drinking Water	03/20/17 06:24	03/22/17 10:00
550-79655-2	1002	Drinking Water	03/20/17 06:26	03/22/17 10:00
550-79655-3	1003	Drinking Water	03/20/17 06:29	03/22/17 10:00
550-79655-4	1004	Drinking Water	03/20/17 06:30	03/22/17 10:00
550-79655-5	1005	Drinking Water	03/20/17 06:32	03/22/17 10:00
550-79655-6	1006	Drinking Water	03/20/17 06:34	03/22/17 10:00
550-79655-7	1007	Drinking Water	03/20/17 06:35	03/22/17 10:00
550-79655-8	1008	Drinking Water	03/20/17 06:38	03/22/17 10:00
550-79655-9	1009	Drinking Water	03/20/17 06:41	03/22/17 10:00
550-79655-10	1012	Drinking Water	03/20/17 06:51	03/22/17 10:00
550-79655-11	1014	Drinking Water	03/20/17 06:45	03/22/17 10:00

# Detection Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High School

## Client Sample ID: 1001

Lab Sample ID: 550-79655-1

No Detections.

## Client Sample ID: 1002

Lab Sample ID: 550-79655-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.59		0.50	ppb	1		200.8	Total/NA

## Client Sample ID: 1003

Lab Sample ID: 550-79655-3

No Detections.

## Client Sample ID: 1004

Lab Sample ID: 550-79655-4

No Detections.

## Client Sample ID: 1005

Lab Sample ID: 550-79655-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.1		0.50	ppb	1		200.8	Total/NA

## Client Sample ID: 1006

Lab Sample ID: 550-79655-6

No Detections.

## Client Sample ID: 1007

Lab Sample ID: 550-79655-7

No Detections.

## Client Sample ID: 1008

Lab Sample ID: 550-79655-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.54		0.50	ppb	1		200.8	Total/NA

## Client Sample ID: 1009

Lab Sample ID: 550-79655-9

No Detections.

## Client Sample ID: 1012

Lab Sample ID: 550-79655-10

No Detections.

## Client Sample ID: 1014

Lab Sample ID: 550-79655-11

No Detections.

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/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
 SDG: Cibola High School

**Client Sample ID: 1001**  
 Date Collected: 03/20/17 06:24  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-1**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:27	04/05/17 19:07	1

**Client Sample ID: 1002**  
 Date Collected: 03/20/17 06:26  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-2**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.59		0.50	ppb		03/30/17 19:27	04/05/17 19:09	1

**Client Sample ID: 1003**  
 Date Collected: 03/20/17 06:29  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-3**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:27	04/05/17 19:11	1

**Client Sample ID: 1004**  
 Date Collected: 03/20/17 06:30  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-4**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:27	04/05/17 19:13	1

**Client Sample ID: 1005**  
 Date Collected: 03/20/17 06:32  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-5**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		0.50	ppb		03/30/17 19:27	04/05/17 19:15	1

**Client Sample ID: 1006**  
 Date Collected: 03/20/17 06:34  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-6**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:27	04/05/17 19:17	1

**Client Sample ID: 1007**  
 Date Collected: 03/20/17 06:35  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-7**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:15	04/04/17 18:30	1

# Client Sample Results

Client: Arizona Dept of Environmental Quality  
 Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
 SDG: Cibola High School

**Client Sample ID: 1008**  
 Date Collected: 03/20/17 06:38  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-8**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.54		0.50	ppb		03/30/17 19:15	04/04/17 18:35	1

**Client Sample ID: 1009**  
 Date Collected: 03/20/17 06:41  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-9**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:15	04/04/17 18:37	1

**Client Sample ID: 1012**  
 Date Collected: 03/20/17 06:51  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-10**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:15	04/04/17 18:39	1

**Client Sample ID: 1014**  
 Date Collected: 03/20/17 06:45  
 Date Received: 03/22/17 10:00

**Lab Sample ID: 550-79655-11**  
 Matrix: Drinking Water

**Method: 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:15	04/04/17 18:41	1

# QC Sample Results

Client: Arizona Dept of Environmental Quality  
 Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
 SDG: Cibola High School

## Method: 200.8 - Metals (ICP/MS)

**Lab Sample ID: MB 550-113721/1-A**  
**Matrix: Water**  
**Analysis Batch: 114062**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113721**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:15	04/04/17 18:20	1

**Lab Sample ID: LCS 550-113721/4-A**  
**Matrix: Water**  
**Analysis Batch: 114062**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113721**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	100	96.7		ppb		97	85 - 115

**Lab Sample ID: LCSD 550-113721/5-A**  
**Matrix: Water**  
**Analysis Batch: 114062**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 113721**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	100	96.3		ppb		96	85 - 115	0	20

**Lab Sample ID: 550-79655-7 MS**  
**Matrix: Drinking Water**  
**Analysis Batch: 114062**

**Client Sample ID: 1007**  
**Prep Type: Total/NA**  
**Prep Batch: 113721**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		100	84.5		ppb		85	70 - 130

**Lab Sample ID: 550-79655-7 MSD**  
**Matrix: Drinking Water**  
**Analysis Batch: 114062**

**Client Sample ID: 1007**  
**Prep Type: Total/NA**  
**Prep Batch: 113721**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		100	81.4		ppb		81	70 - 130	4	20

**Lab Sample ID: MB 550-113724/1-A**  
**Matrix: Water**  
**Analysis Batch: 114180**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113724**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/30/17 19:27	04/05/17 18:46	1

**Lab Sample ID: LCS 550-113724/4-A**  
**Matrix: Water**  
**Analysis Batch: 114180**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113724**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	100	90.8		ppb		91	85 - 115

**Lab Sample ID: LCSD 550-113724/5-A**  
**Matrix: Water**  
**Analysis Batch: 114180**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 113724**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	100	90.9		ppb		91	85 - 115	0	20

TestAmerica Phoenix

# QC Sample Results

Client: Arizona Dept of Environmental Quality  
 Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
 SDG: Cibola High School

**Lab Sample ID: 550-79856-A-8-B MS**  
**Matrix: Water**  
**Analysis Batch: 114180**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 113724**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	0.78		100	87.9		ppb		87	70 - 130

**Lab Sample ID: 550-79856-A-8-C MSD**  
**Matrix: Water**  
**Analysis Batch: 114180**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 113724**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	0.78		100	85.5		ppb		85	70 - 130	3	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# QC Association Summary

Client: Arizona Dept of Environmental Quality  
 Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
 SDG: Cibola High School

## Metals

### Prep Batch: 113721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79655-7	1007	Total/NA	Drinking Water	200.8	
550-79655-8	1008	Total/NA	Drinking Water	200.8	
550-79655-9	1009	Total/NA	Drinking Water	200.8	
550-79655-10	1012	Total/NA	Drinking Water	200.8	
550-79655-11	1014	Total/NA	Drinking Water	200.8	
MB 550-113721/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-113721/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-113721/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-79655-7 MS	1007	Total/NA	Drinking Water	200.8	
550-79655-7 MSD	1007	Total/NA	Drinking Water	200.8	

### Prep Batch: 113724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79655-1	1001	Total/NA	Drinking Water	200.8	
550-79655-2	1002	Total/NA	Drinking Water	200.8	
550-79655-3	1003	Total/NA	Drinking Water	200.8	
550-79655-4	1004	Total/NA	Drinking Water	200.8	
550-79655-5	1005	Total/NA	Drinking Water	200.8	
550-79655-6	1006	Total/NA	Drinking Water	200.8	
MB 550-113724/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-113724/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-113724/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-79856-A-8-B MS	Matrix Spike	Total/NA	Water	200.8	
550-79856-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

### Analysis Batch: 114062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79655-7	1007	Total/NA	Drinking Water	200.8	113721
550-79655-8	1008	Total/NA	Drinking Water	200.8	113721
550-79655-9	1009	Total/NA	Drinking Water	200.8	113721
550-79655-10	1012	Total/NA	Drinking Water	200.8	113721
550-79655-11	1014	Total/NA	Drinking Water	200.8	113721
MB 550-113721/1-A	Method Blank	Total/NA	Water	200.8	113721
LCS 550-113721/4-A	Lab Control Sample	Total/NA	Water	200.8	113721
LCSD 550-113721/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	113721
550-79655-7 MS	1007	Total/NA	Drinking Water	200.8	113721
550-79655-7 MSD	1007	Total/NA	Drinking Water	200.8	113721

### Analysis Batch: 114180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79655-1	1001	Total/NA	Drinking Water	200.8	113724
550-79655-2	1002	Total/NA	Drinking Water	200.8	113724
550-79655-3	1003	Total/NA	Drinking Water	200.8	113724
550-79655-4	1004	Total/NA	Drinking Water	200.8	113724
550-79655-5	1005	Total/NA	Drinking Water	200.8	113724
550-79655-6	1006	Total/NA	Drinking Water	200.8	113724
MB 550-113724/1-A	Method Blank	Total/NA	Water	200.8	113724
LCS 550-113724/4-A	Lab Control Sample	Total/NA	Water	200.8	113724
LCSD 550-113724/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	113724
550-79856-A-8-B MS	Matrix Spike	Total/NA	Water	200.8	113724
550-79856-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	113724

TestAmerica Phoenix

# Lab Chronicle

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High School

**Client Sample ID: 1001**  
**Date Collected: 03/20/17 06:24**  
**Date Received: 03/22/17 10:00**

**Lab Sample ID: 550-79655-1**  
**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113724	03/30/17 19:27	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114180	04/05/17 19:07	TEK	TAL PHX

**Client Sample ID: 1002**  
**Date Collected: 03/20/17 06:26**  
**Date Received: 03/22/17 10:00**

**Lab Sample ID: 550-79655-2**  
**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113724	03/30/17 19:27	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114180	04/05/17 19:09	TEK	TAL PHX

**Client Sample ID: 1003**  
**Date Collected: 03/20/17 06:29**  
**Date Received: 03/22/17 10:00**

**Lab Sample ID: 550-79655-3**  
**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113724	03/30/17 19:27	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114180	04/05/17 19:11	TEK	TAL PHX

**Client Sample ID: 1004**  
**Date Collected: 03/20/17 06:30**  
**Date Received: 03/22/17 10:00**

**Lab Sample ID: 550-79655-4**  
**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113724	03/30/17 19:27	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114180	04/05/17 19:13	TEK	TAL PHX

**Client Sample ID: 1005**  
**Date Collected: 03/20/17 06:32**  
**Date Received: 03/22/17 10:00**

**Lab Sample ID: 550-79655-5**  
**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113724	03/30/17 19:27	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114180	04/05/17 19:15	TEK	TAL PHX

**Client Sample ID: 1006**  
**Date Collected: 03/20/17 06:34**  
**Date Received: 03/22/17 10:00**

**Lab Sample ID: 550-79655-6**  
**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113724	03/30/17 19:27	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114180	04/05/17 19:17	TEK	TAL PHX

# Lab Chronicle

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High School

## Client Sample ID: 1007

Date Collected: 03/20/17 06:35

Date Received: 03/22/17 10:00

## Lab Sample ID: 550-79655-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113721	03/30/17 19:15	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114062	04/04/17 18:30	TEK	TAL PHX

## Client Sample ID: 1008

Date Collected: 03/20/17 06:38

Date Received: 03/22/17 10:00

## Lab Sample ID: 550-79655-8

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113721	03/30/17 19:15	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114062	04/04/17 18:35	TEK	TAL PHX

## Client Sample ID: 1009

Date Collected: 03/20/17 06:41

Date Received: 03/22/17 10:00

## Lab Sample ID: 550-79655-9

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113721	03/30/17 19:15	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114062	04/04/17 18:37	TEK	TAL PHX

## Client Sample ID: 1012

Date Collected: 03/20/17 06:51

Date Received: 03/22/17 10:00

## Lab Sample ID: 550-79655-10

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113721	03/30/17 19:15	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114062	04/04/17 18:39	TEK	TAL PHX

## Client Sample ID: 1014

Date Collected: 03/20/17 06:45

Date Received: 03/22/17 10:00

## Lab Sample ID: 550-79655-11

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113721	03/30/17 19:15	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	114062	04/04/17 18:41	TEK	TAL PHX

### Laboratory References:

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

# Accreditation/Certification Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High 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
-----------------	-------------	--------	---------

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Method Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW/Yuma Union High School District

TestAmerica Job ID: 550-79655-1  
SDG: Cibola High School

---

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

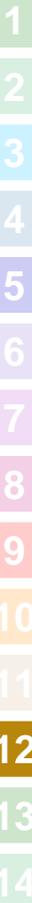
---

**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



79655

### 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	YUHS D #70
School Name	CLIBOLA H.S.
Building (name/number)	Cafeteria
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	Cafe
Sample Identification Number ( <b>Write this number on the sample container and on this sheet</b> )	1001
Date of Collection	3/20/2017
Time of Collection	6:24
Printed Name of Sample Collector	IGNACIO TRUJO
Signature Sample Collector	IGNACIO TRUJO

550-79655 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: 23.9°C      NO ZOE      FE CR	

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	Yuma Union High School Dist. 70
School Name	CIBOLA High School
Building (name/number)	Gym
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	1002 Hallway
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1002
Date of Collection	3/20/2017
Time of Collection	6:20 A.M.
Printed Name of Sample Collector	IGNACIO TRUJO
Signature Sample Collector	<i>Ignacio Trujo</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 \_\_\_\_\_

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

②

### 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	YUHSB #70
School Name	CIBOLA H.S.
Building (name/number)	Administration
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	Corridor
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1003
Date of Collection	3/20/2017
Time of Collection	0:29 A.M.
Printed Name of Sample Collector	IGNACIO Trejo
Signature Sample Collector	<del>IGNACIO TREJO</del>

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	YUUSD #70
School Name	CIBOLA H.S.
Building (name/number)	Science
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	100's
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1004
Date of Collection	3/20/2017
Time of Collection	6:30 A.M.
Printed Name of Sample Collector	IGNACIO Trejo
Signature Sample Collector	IGNACIO TREJO

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	YUHSID #70
School Name	CIBOLA H.S.
Building (name/number)	400 Bldg (Nurse)
Type of Fixture (tap, drinking fountain etc.)	tap
Location of Fixture (example, room number)	main lobby
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1005
Date of Collection	3/20/2017
Time of Collection	6:32 AM.
Printed Name of Sample Collector	IGNACIO Trejo
Signature Sample Collector	IGNACIO TREJO

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.*

5

### 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	YU USD #70
School Name	CIBOLA H.S.
Building (name/number)	500'S
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	ACROSS 509
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1006
Date of Collection	3/20/2017
Time of Collection	6:34 A.M.
Printed Name of Sample Collector	IGNACIO Trejo
Signature Sample Collector	IGNACIO TREJO

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	YVHSID #20
School Name	CIBOLA H.S.
Building (name/number)	600 Technology
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	main Corridor
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1007
Date of Collection	3/20
Time of Collection	6:35 A.M.
Printed Name of Sample Collector	IGNACIO Trejo
Signature Sample Collector	IGNACIO TREJO

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	YUHSD #70
School Name	CIBOLA H.S.
Building (name/number)	Central Plant
Type of Fixture (tap, drinking fountain etc.)	<del>Tap</del> Drinking fountain
Location of Fixture (example, room number)	Entry
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1008
Date of Collection	3/20/2017
Time of Collection	6:38 A.M.
Printed Name of Sample Collector	IGNACIO TRYJO
Signature Sample Collector	IGNACIO TRYJO

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	YUHS #70
School Name	CIBOLA High School
Building (name/number)	Agriculture
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	AG Shop
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1009
Date of Collection	3/20/2017
Time of Collection	6:41 A.M.
Printed Name of Sample Collector	IGNACIO Trujillo
Signature Sample Collector	<i>Ignacio Trujillo</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 \_\_\_\_\_

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

9

### 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	YVHSD #70
School Name	CIBOLA H.S.
Building (name/number)	Green House
Type of Fixture (tap, drinking fountain etc.)	TAP
Location of Fixture (example, room number)	Outside Ag.
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1012
Date of Collection	3/20/2017
Time of Collection	6:51 A.M.
Printed Name of Sample Collector	IGNACIO TRUJO
Signature Sample Collector	<i>Ignacio Trujillo</i>

Notes Sample collector:  
*Exterior Hose bibs only - NO faucets.*

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	YVHSD #70
School Name	CIBOLA High School
Building (name/number)	730'S
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	W Entry
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1014
Date of Collection	3/20/2017
Time of Collection	0:45 A.M.
Printed Name of Sample Collector	IGNACIO Trejo
Signature Sample Collector	IGNACIO Trejo

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 \_\_\_\_\_

MY 3-22-17  
 (10) (11)

*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	YVHSD #70
School Name	CIBOLA H.S.
Building (name/number)	720 North
Type of Fixture (tap, drinking fountain etc.)	N/A
Location of Fixture (example, room number)	N/A
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1011
Date of Collection	
Time of Collection	
Printed Name of Sample Collector	
Signature Sample Collector	

Notes Sample collector:  
 Building Demol'd to make room for new Bldg. under  
 Construction

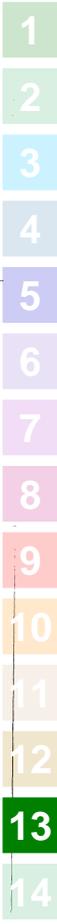
For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

*ms*  
 3-22-17  


*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	YUUSD #70
School Name	CIBOLA High School
Building (name/number)	720's South
Type of Fixture (tap, drinking fountain etc.)	N/A
Location of Fixture (example, room number)	N/A
Sample Identification Number ( <b><u>Write this number on the sample container and on this sheet</u></b> )	1010
Date of Collection	/
Time of Collection	
Printed Name of Sample Collector	
Signature Sample Collector	

Notes Sample collector:  
 Building was Demo'd to make room for new bldg under construction.

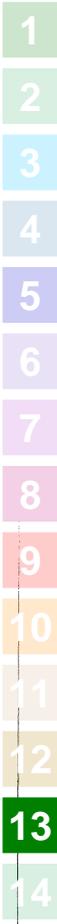
For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

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.*

Yuma Union High School District	Cibola High School	1001	Gym, Cafeteria, Auditorium	High School	1988	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1002	Gym Addition	High School	1998	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1003	Admininstration, Library	High School	1988	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1004	Science, Math	High School	1988	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1005	400s Building	High School	1988	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1006	500s Building	High School	1988	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1007	600s Building (Technology)	High School	1988	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1008	Central Plant, Maintenance	High School	1988	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1009	Agriculture Education	High School	1994	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1010	720s South	High School	1990	4100 W. 20th St	Yuma	85364-	Yuma	1



Yuma Union High School District	Cibola High School	1011	720s North	High School	1990	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1012	Greenhouse	High School	1991	4100 W. 20th St	Yuma	85364-	Yuma	1
Yuma Union High School District	Cibola High School	1014	730s Building	High School	2012	4100 W. 20th St	Yuma	85364-	Yuma	1
<b>Total Containers</b>										<b>13</b>

Yuma Union High School District  
ATTN: Jay Munoz – Facilities Manager  
3150 South Avenue A  
Yuma, AZ 85364



## Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-79655-1  
SDG Number: Cibola High School

**Login Number: 79655**  
**List Number: 1**  
**Creator: Vilaboy, Monica**

**List Source: TestAmerica Phoenix**

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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.

