

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: 550-77999-1

TestAmerica Sample Delivery Group: Elfrida Elementary School

Client Project/Site: Pb in DW/Elfrida Elementary District

For:

Arizona Dept of Environmental Quality

1110 W. Washington St., MC5415B-1

Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:

3/2/2017 2:17:12 PM

Michelle Johnston, Project Manager II

(303)736-0110

michelle.johnston@testamericainc.com

Designee for

Susan Armijo, Project Manager II

(602)659-7664

susan.armijo@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.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.

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	13
Certification Summary	15
Method Summary	16
Chain of Custody	17
Receipt Checklists	29

Definitions/Glossary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida Elementary 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/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida Elementary School

Job ID: 550-77999-1

Laboratory: TestAmerica Phoenix

Narrative

Job Narrative 550-77999-1

Comments

No additional comments.

Receipt

The samples were received on 2/22/2017 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.4° C.

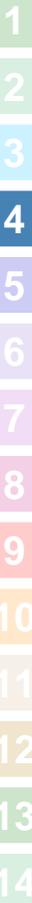
Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 1001 (550-77999-1), 1001 (550-77999-2), 1002 (550-77999-3), 1002 (550-77999-4), 1003 (550-77999-5), 1003 (550-77999-6), 1012 (550-77999-7), 1009 (550-77999-8), 1010 (550-77999-9), 1011 (550-77999-10) and 1013 (550-77999-11). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.

The Chain-of-Custody (COC) was improperly completed. The sampling date on the chain of custody reads 2-1-17 for sample 11 which does not match what is written on the container. The following date has been taken from the container: 2-12-17.

Metals

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



Sample Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida Elementary School

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-77999-1	1001	Drinking Water	02/12/17 09:30	02/22/17 09:45
550-77999-2	1001	Drinking Water	02/12/17 10:30	02/22/17 09:45
550-77999-3	1002	Drinking Water	02/12/17 10:40	02/22/17 09:45
550-77999-4	1002	Drinking Water	02/12/17 10:44	02/22/17 09:45
550-77999-5	1003	Drinking Water	02/12/17 09:45	02/22/17 09:45
550-77999-6	1003	Drinking Water	02/12/17 09:45	02/22/17 09:45
550-77999-7	1012	Drinking Water	02/12/17 10:35	02/22/17 09:45
550-77999-8	1009	Drinking Water	02/12/17 10:38	02/22/17 09:45
550-77999-9	1010	Drinking Water	02/12/17 12:00	02/22/17 09:45
550-77999-10	1011	Drinking Water	02/12/17 10:36	02/22/17 09:45
550-77999-11	1013	Drinking Water	02/12/17 07:15	02/22/17 09:45

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida Elementary School

Client Sample ID: 1001

Lab Sample ID: 550-77999-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	10		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1001

Lab Sample ID: 550-77999-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	13		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1002

Lab Sample ID: 550-77999-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.4		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1002

Lab Sample ID: 550-77999-4

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: 1003

Lab Sample ID: 550-77999-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.78		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1003

Lab Sample ID: 550-77999-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.5		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1012

Lab Sample ID: 550-77999-7

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: 1009

Lab Sample ID: 550-77999-8

No Detections.

Client Sample ID: 1010

Lab Sample ID: 550-77999-9

No Detections.

Client Sample ID: 1011

Lab Sample ID: 550-77999-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.80		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1013

Lab Sample ID: 550-77999-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.0		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/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
 SDG: Elfrida Elementary School

Client Sample ID: 1001
 Date Collected: 02/12/17 09:30
 Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-1
 Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		0.50	ppb		02/27/17 12:13	02/28/17 10:56	1

Client Sample ID: 1001
 Date Collected: 02/12/17 10:30
 Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-2
 Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		0.50	ppb		02/25/17 08:20	03/01/17 09:15	1

Client Sample ID: 1002
 Date Collected: 02/12/17 10:40
 Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-3
 Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.4		0.50	ppb		02/25/17 08:20	03/01/17 09:17	1

Client Sample ID: 1002
 Date Collected: 02/12/17 10:44
 Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-4
 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		02/25/17 08:20	03/01/17 09:19	1

Client Sample ID: 1003
 Date Collected: 02/12/17 09:45
 Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-5
 Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.78		0.50	ppb		02/25/17 08:20	03/01/17 09:21	1

Client Sample ID: 1003
 Date Collected: 02/12/17 09:45
 Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-6
 Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.50	ppb		02/25/17 08:20	03/01/17 09:23	1

Client Sample ID: 1012
 Date Collected: 02/12/17 10:35
 Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-7
 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		02/25/17 08:20	03/01/17 09:25	1

Client Sample Results

Client: Arizona Dept of Environmental Quality
 Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
 SDG: Elfrida Elementary School

Client Sample ID: 1009

Date Collected: 02/12/17 10:38

Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-8

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		02/25/17 08:20	03/01/17 09:27	1

Client Sample ID: 1010

Date Collected: 02/12/17 12:00

Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-9

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		02/25/17 08:20	03/01/17 09:29	1

Client Sample ID: 1011

Date Collected: 02/12/17 10:36

Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-10

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.80		0.50	ppb		02/25/17 08:20	03/01/17 09:31	1

Client Sample ID: 1013

Date Collected: 02/12/17 07:15

Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-11

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0		0.50	ppb		02/25/17 08:31	03/01/17 09:47	1

QC Sample Results

Client: Arizona Dept of Environmental Quality
 Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
 SDG: Elfrida Elementary School

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-111066/1-A
Matrix: Water
Analysis Batch: 111301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111066

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		02/25/17 08:20	03/01/17 08:37	1

Lab Sample ID: LCS 550-111066/4-A
Matrix: Water
Analysis Batch: 111301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	100	95.3		ppb		95	85 - 115

Lab Sample ID: LCSD 550-111066/5-A
Matrix: Water
Analysis Batch: 111301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111066

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	100	97.3		ppb		97	85 - 115	2	20

Lab Sample ID: 550-77998-A-5-B MS
Matrix: Water
Analysis Batch: 111301

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	ND		100	89.2		ppb		89	70 - 130

Lab Sample ID: 550-77998-A-5-C MSD
Matrix: Water
Analysis Batch: 111301

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111066

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	ND		100	90.2		ppb		90	70 - 130	1	20

Lab Sample ID: MB 550-111067/1-A
Matrix: Water
Analysis Batch: 111302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111067

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		02/25/17 08:31	03/01/17 09:37	1

Lab Sample ID: LCS 550-111067/4-A
Matrix: Water
Analysis Batch: 111302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	100	97.3		ppb		97	85 - 115

Lab Sample ID: LCSD 550-111067/5-A
Matrix: Water
Analysis Batch: 111302

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	100	97.0		ppb		97	85 - 115	0	20

TestAmerica Phoenix

QC Sample Results

Client: Arizona Dept of Environmental Quality
 Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
 SDG: Elfrida Elementary School

Lab Sample ID: 550-77999-11 MS
Matrix: Drinking Water
Analysis Batch: 111302

Client Sample ID: 1013
Prep Type: Total/NA
Prep Batch: 111067
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	1.0		100	93.8		ppb		93	70 - 130

Lab Sample ID: 550-77999-11 MSD
Matrix: Drinking Water
Analysis Batch: 111302

Client Sample ID: 1013
Prep Type: Total/NA
Prep Batch: 111067
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	1.0		100	94.1		ppb		93	70 - 130	0	20

Lab Sample ID: MB 550-111138/1-A
Matrix: Water
Analysis Batch: 111220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111138

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		02/27/17 12:13	02/28/17 10:40	1

Lab Sample ID: LCS 550-111138/4-A
Matrix: Water
Analysis Batch: 111220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111138
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	100	103		ppb		103	85 - 115

Lab Sample ID: LCSD 550-111138/5-A
Matrix: Water
Analysis Batch: 111220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111138
 %Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	100	103		ppb		103	85 - 115	0	20

Lab Sample ID: 550-77947-A-20-B MS
Matrix: Water
Analysis Batch: 111220

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111138
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	85		100	183		ppb		99	70 - 130

Lab Sample ID: 550-77947-A-20-C MSD
Matrix: Water
Analysis Batch: 111220

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111138
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	85		100	185		ppb		100	70 - 130	1	20

QC Association Summary

Client: Arizona Dept of Environmental Quality
 Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
 SDG: Elfrida Elementary School

Metals

Prep Batch: 111066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-77999-2	1001	Total/NA	Drinking Water	200.8	
550-77999-3	1002	Total/NA	Drinking Water	200.8	
550-77999-4	1002	Total/NA	Drinking Water	200.8	
550-77999-5	1003	Total/NA	Drinking Water	200.8	
550-77999-6	1003	Total/NA	Drinking Water	200.8	
550-77999-7	1012	Total/NA	Drinking Water	200.8	
550-77999-8	1009	Total/NA	Drinking Water	200.8	
550-77999-9	1010	Total/NA	Drinking Water	200.8	
550-77999-10	1011	Total/NA	Drinking Water	200.8	
MB 550-111066/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-111066/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-111066/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-77998-A-5-B MS	Matrix Spike	Total/NA	Water	200.8	
550-77998-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Prep Batch: 111067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-77999-11	1013	Total/NA	Drinking Water	200.8	
MB 550-111067/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-111067/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-111067/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-77999-11 MS	1013	Total/NA	Drinking Water	200.8	
550-77999-11 MSD	1013	Total/NA	Drinking Water	200.8	

Prep Batch: 111138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-77999-1	1001	Total/NA	Drinking Water	200.8	
MB 550-111138/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-111138/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-111138/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-77947-A-20-B MS	Matrix Spike	Total/NA	Water	200.8	
550-77947-A-20-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 111220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-77999-1	1001	Total/NA	Drinking Water	200.8	111138
MB 550-111138/1-A	Method Blank	Total/NA	Water	200.8	111138
LCS 550-111138/4-A	Lab Control Sample	Total/NA	Water	200.8	111138
LCSD 550-111138/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	111138
550-77947-A-20-B MS	Matrix Spike	Total/NA	Water	200.8	111138
550-77947-A-20-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	111138

Analysis Batch: 111301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-77999-2	1001	Total/NA	Drinking Water	200.8	111066
550-77999-3	1002	Total/NA	Drinking Water	200.8	111066
550-77999-4	1002	Total/NA	Drinking Water	200.8	111066
550-77999-5	1003	Total/NA	Drinking Water	200.8	111066
550-77999-6	1003	Total/NA	Drinking Water	200.8	111066
550-77999-7	1012	Total/NA	Drinking Water	200.8	111066
550-77999-8	1009	Total/NA	Drinking Water	200.8	111066

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida Elementary School

Metals (Continued)

Analysis Batch: 111301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-77999-9	1010	Total/NA	Drinking Water	200.8	111066
550-77999-10	1011	Total/NA	Drinking Water	200.8	111066
MB 550-111066/1-A	Method Blank	Total/NA	Water	200.8	111066
LCS 550-111066/4-A	Lab Control Sample	Total/NA	Water	200.8	111066
LCSD 550-111066/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	111066
550-77998-A-5-B MS	Matrix Spike	Total/NA	Water	200.8	111066
550-77998-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	111066

Analysis Batch: 111302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-77999-11	1013	Total/NA	Drinking Water	200.8	111067
MB 550-111067/1-A	Method Blank	Total/NA	Water	200.8	111067
LCS 550-111067/4-A	Lab Control Sample	Total/NA	Water	200.8	111067
LCSD 550-111067/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	111067
550-77999-11 MS	1013	Total/NA	Drinking Water	200.8	111067
550-77999-11 MSD	1013	Total/NA	Drinking Water	200.8	111067

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida Elementary School

Client Sample ID: 1001
Date Collected: 02/12/17 09:30
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-1
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111138	02/27/17 12:13	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111220	02/28/17 10:56	TEK	TAL PHX

Client Sample ID: 1001
Date Collected: 02/12/17 10:30
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-2
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:15	TEK	TAL PHX

Client Sample ID: 1002
Date Collected: 02/12/17 10:40
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-3
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:17	TEK	TAL PHX

Client Sample ID: 1002
Date Collected: 02/12/17 10:44
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-4
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:19	TEK	TAL PHX

Client Sample ID: 1003
Date Collected: 02/12/17 09:45
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-5
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:21	TEK	TAL PHX

Client Sample ID: 1003
Date Collected: 02/12/17 09:45
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-6
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:23	TEK	TAL PHX

Lab Chronicle

Client: Arizona Dept of Environmental Quality
 Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
 SDG: Elfrida Elementary School

Client Sample ID: 1012
Date Collected: 02/12/17 10:35
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-7
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:25	TEK	TAL PHX

Client Sample ID: 1009
Date Collected: 02/12/17 10:38
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-8
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:27	TEK	TAL PHX

Client Sample ID: 1010
Date Collected: 02/12/17 12:00
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-9
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:29	TEK	TAL PHX

Client Sample ID: 1011
Date Collected: 02/12/17 10:36
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-10
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111066	02/25/17 08:20	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111301	03/01/17 09:31	TEK	TAL PHX

Client Sample ID: 1013
Date Collected: 02/12/17 07:15
Date Received: 02/22/17 09:45

Lab Sample ID: 550-77999-11
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			111067	02/25/17 08:31	SGO	TAL PHX
Total/NA	Analysis	200.8		1	111302	03/01/17 09:47	TEK	TAL PHX

Laboratory References:

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

Certification Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida Elementary School

Laboratory: TestAmerica Phoenix

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

Authority	Program	EPA Region	Certification ID	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/Elfrida Elementary District

TestAmerica Job ID: 550-77999-1
SDG: Elfrida 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

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

77999

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	Afrida Elem
School Name	
Building (name/number)	Elem Bldg A
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	1st grade
Sample Identification Number (ensure this number is also on the sample container)	1001
Date of Collection	2/12/17
Time of Collection	9:30
Printed Name of Sample Collector	Lupe DeLaCruz
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 2/12/17 Elmou Garcia

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

①

FedEx → [Signature] 2/22/17 9:45 (19,400)
 no ice
 no c.s.

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	Afrido Alen
School Name	
Building (name/number)	Resource
Type of Fixture (tap, drinking fountain etc.)	tap
Location of Fixture (example, room number)	Resource RR Room
Sample Identification Number (ensure this number is also on the sample container)	Bldg A 1001
Date of Collection	2/12/17
Time of Collection	10:30
Printed Name of Sample Collector	Kupe DeLaCruz
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 2/12/17 Alma Garcia

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	Elfrida Elem. School
School Name	
Building (name/number)	Middle School Bldg C
Type of Fixture (tap, drinking fountain etc.)	TAP
Location of Fixture (example, room number)	Middle School Bldg C 6th Room
Sample Identification Number (ensure this number is also on the sample container)	1002
Date of Collection	2/12/17
Time of Collection	10:40
Printed Name of Sample Collector	Lupe De la Cruz
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 2/12/17 Alma Garcia

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	Elfrida Elem
School Name	
Building (name/number)	Middle School Bldg C
Type of Fixture (tap, drinking fountain etc.)	TAP
Location of Fixture (example, room number)	Board Room
Sample Identification Number (ensure this number is also on the sample container)	1002
Date of Collection	2/12/17
Time of Collection	10:44
Printed Name of Sample Collector	LUPE DE LA CRUZ
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 2/12/17 (Lupe de la Cruz)

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

④

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	Elfrida Elem
School Name	
Building (name/number)	Admin
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Office
Sample Identification Number (ensure this number is also on the sample container)	1003
Date of Collection	2/12/17
Time of Collection	9:45
Printed Name of Sample Collector	Jupe DeLaCruz
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 2/12/17 Alma Garcia

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	Florida Elem
School Name	
Building (name/number)	Admin
Type of Fixture (tap, drinking fountain etc.)	TAP
Location of Fixture (example, room number)	Office
Sample Identification Number (ensure this number is also on the sample container)	1003
Date of Collection	2/12/17
Time of Collection	9:46
Printed Name of Sample Collector	Jupe DeLaCruz
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 2/12/17 Jupe DeLaCruz

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

(b)

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	Florida Elementary
School Name	
Building (name/number)	School Storage
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Storage Room Bldg D
Sample Identification Number (ensure this number is also on the sample container)	1012
Date of Collection	2/12/17
Time of Collection	10:35
Printed Name of Sample Collector	Kupe DeLaCruz
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 2/12/17 Alma Garcia

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

7

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	Emida Elem
School Name	
Building (name/number)	Locker Room Bldg.D
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Blue Room
Sample Identification Number (ensure this number is also on the sample container)	1009
Date of Collection	2/12/17
Time of Collection	10:35
Printed Name of Sample Collector	Lope DeLaCruz
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 2/12/17 Alma Garcia

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	Amica Elem
School Name	
Building (name/number)	Bus Barn
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Bus Barn
Sample Identification Number (ensure this number is also on the sample container)	1010
Date of Collection	2/12/17
Time of Collection	12:00
Printed Name of Sample Collector	Lupe De la Cruz
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 2/12/17 Alma Garcia

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	Elfrida Elem
School Name	
Building (name/number)	PE Storage
Type of Fixture (tap, drinking fountain etc.)	tap
Location of Fixture (example, room number)	1011
Sample Identification Number (ensure this number is also on the sample container)	1011
Date of Collection	2/12/17
Time of Collection	10:36
Printed Name of Sample Collector	LUPE DELACRUZ
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 2/12/17 Almabarcia

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

10

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	Florida Flem School
School Name	
Building (name/number)	Cafeteria
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Kitchen
Sample Identification Number (ensure this number is also on the sample container)	1013
Date of Collection	2/11/17
Time of Collection	7:15
Printed Name of Sample Collector	Cheryl Parkin
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 2/12/17 Alma Garcia

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

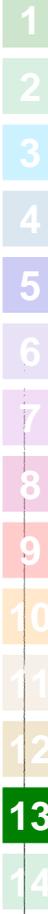


District	School	Building Number	Building Desc	Building Use	Year Built	Bottles Per Building:
Elfrida Elementary District	Elfrida Elementary School	1001	Elementary School, Bldg. A	PS-5, ESL, Resource	1957 ✓	2
Elfrida Elementary District	Elfrida Elementary School	1002	Middle School, Bldg. C	Grades 6-8, Library, Board Room, Computer Lab	1965 ✓	2
Elfrida Elementary District	Elfrida Elementary School	1003	Administration Building, Bldg. B	Administration	1984 ✓	2
Elfrida Elementary District	Elfrida Elementary School	1009	Locker Room, Bldg. D	Locker Room	1965 ✓	2
Elfrida Elementary District	Elfrida Elementary School	1010	Bus Barn	Bus Maintenance	2002 ✓	1
Elfrida Elementary District	Elfrida Elementary School	1011	P.E. Storage	P.E. Equipment	2002 ✓	1
Elfrida Elementary District	Elfrida Elementary School	1012	School Storage	Storage	2003 ✓	1
Elfrida Elementary District	Elfrida Elementary School	1013	Cafeteria	Cafeteria	2005 ✓	1
					Number of bottles Per box:	12

Elfrida Elementary School District Contact Information:

Attn: Alma Garcia

4070 W. Jefferson Road,
 Elfrida, AZ 85610-0328
 Phone: (520) 642-3428



Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-77999-1
SDG Number: Elfrida Elementary School

Login Number: 77999
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.	False	Refer to Job Narrative for details.
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 <math><6\text{mm}</math> (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.

