

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Phoenix

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Tel: (602)437-3340

TestAmerica Job ID: 550-78736-1

TestAmerica SDG: Tolleson High School confirmation sampling

Client Project/Site: Pb in DW / TUHSD

For:

Arizona Dept of Environmental Quality

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Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:

3/16/2017 3:40:41 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 / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### 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)

## Case Narrative

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

**Job ID: 550-78736-1**

**Laboratory: TestAmerica Phoenix**

### Narrative

#### Job Narrative 550-78736-1

### Comments

No additional comments.

### Receipt

The samples were received on 3/7/2017 3:38 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.3° C.

### Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: ID 1 (550-78736-1), ID 1 flush (550-78736-2), ID 2 (550-78736-3), ID 3 (550-78736-4), ID 4 BRR (550-78736-5), ID 5 GRR (550-78736-6), ID 6 Kitchen S1 (550-78736-7), ID 7 Kitchen S2 (550-78736-8), ID 8 Hand Sink (550-78736-9), ID 9 Lav Sink (550-78736-10), ID 10 Hand Sink (550-78736-11), ID 11 Sink (550-78736-12), ID 12 H Sink (550-78736-13), ID 12 Kitchen Sink (550-78736-14), ID 14 Kitchen (550-78736-15), ID 1 D-2 (550-78736-16), ID 2 D-2 (550-78736-17), ID 3 D-2 (550-78736-18) and ID 4 D-2 (550-78736-19). 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.

## Sample Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-78736-1	ID 1	Drinking Water	03/04/17 07:32	03/07/17 15:38
550-78736-2	ID 1 flush	Drinking Water	03/04/17 07:36	03/07/17 15:38
550-78736-3	ID 2	Drinking Water	03/04/17 07:40	03/07/17 15:38
550-78736-4	ID 3	Drinking Water	03/04/17 07:41	03/07/17 15:38
550-78736-5	ID 4 BRR	Drinking Water	03/04/17 07:45	03/07/17 15:38
550-78736-6	ID 5 GRR	Drinking Water	03/04/17 07:47	03/07/17 15:38
550-78736-7	ID 6 Kitchen S1	Drinking Water	03/04/17 07:50	03/07/17 15:38
550-78736-8	ID 7 Kitchen S2	Drinking Water	03/04/17 07:52	03/07/17 15:38
550-78736-9	ID 8 Hand Sink	Drinking Water	03/04/17 07:56	03/07/17 15:38
550-78736-10	ID 9 Lav Sink	Drinking Water	03/04/17 07:59	03/07/17 15:38
550-78736-11	ID 10 Hand Sink	Drinking Water	03/04/17 08:00	03/07/17 15:38
550-78736-12	ID 11 Sink	Drinking Water	03/04/17 08:03	03/07/17 15:38
550-78736-13	ID 12 H Sink	Drinking Water	03/04/17 08:04	03/07/17 15:38
550-78736-14	ID 12 Kitchen Sink	Drinking Water	03/04/17 08:05	03/07/17 15:38
550-78736-15	ID 14 Kitchen	Drinking Water	03/04/17 08:08	03/07/17 15:38
550-78736-16	ID 1 D-2	Drinking Water	03/05/17 08:08	03/07/17 15:38
550-78736-17	ID 2 D-2	Drinking Water	03/05/17 08:13	03/07/17 15:38
550-78736-18	ID 3 D-2	Drinking Water	03/05/17 08:15	03/07/17 15:38
550-78736-19	ID 4 D-2	Drinking Water	03/05/17 08:17	03/07/17 15:38

## Detection Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### Client Sample ID: ID 1

Lab Sample ID: 550-78736-1

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

### Client Sample ID: ID 1 flush

Lab Sample ID: 550-78736-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	11		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 2

Lab Sample ID: 550-78736-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	14		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 3

Lab Sample ID: 550-78736-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.4		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 4 BRR

Lab Sample ID: 550-78736-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.91		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 5 GRR

Lab Sample ID: 550-78736-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.95		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 6 Kitchen S1

Lab Sample ID: 550-78736-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.2		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 7 Kitchen S2

Lab Sample ID: 550-78736-8

No Detections.

### Client Sample ID: ID 8 Hand Sink

Lab Sample ID: 550-78736-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.0		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 9 Lav Sink

Lab Sample ID: 550-78736-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.94		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 10 Hand Sink

Lab Sample ID: 550-78736-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.3		0.50	ppb	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

## Detection Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### Client Sample ID: ID 11 Sink

Lab Sample ID: 550-78736-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.83		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 12 H Sink

Lab Sample ID: 550-78736-13

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.5		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 12 Kitchen Sink

Lab Sample ID: 550-78736-14

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: ID 14 Kitchen

Lab Sample ID: 550-78736-15

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.8		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 1 D-2

Lab Sample ID: 550-78736-16

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: ID 2 D-2

Lab Sample ID: 550-78736-17

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.2		0.50	ppb	1		200.8	Total/NA

### Client Sample ID: ID 3 D-2

Lab Sample ID: 550-78736-18

No Detections.

### Client Sample ID: ID 4 D-2

Lab Sample ID: 550-78736-19

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.86		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 / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

## Client Sample ID: ID 1

Date Collected: 03/04/17 07:32  
Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-1

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.50	ppb		03/16/17 06:54	03/16/17 12:28	1

## Client Sample ID: ID 1 flush

Date Collected: 03/04/17 07:36  
Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-2

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.50	ppb		03/16/17 06:54	03/16/17 12:30	1

## Client Sample ID: ID 2

Date Collected: 03/04/17 07:40  
Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-3

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.50	ppb		03/16/17 06:54	03/16/17 12:32	1

## Client Sample ID: ID 3

Date Collected: 03/04/17 07:41  
Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-4

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.4		0.50	ppb		03/16/17 06:54	03/16/17 12:34	1

## Client Sample ID: ID 4 BRR

Date Collected: 03/04/17 07:45  
Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-5

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.91		0.50	ppb		03/16/17 07:00	03/16/17 12:49	1

## Client Sample ID: ID 5 GRR

Date Collected: 03/04/17 07:47  
Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-6

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.95		0.50	ppb		03/16/17 07:00	03/16/17 12:55	1

## Client Sample ID: ID 6 Kitchen S1

Date Collected: 03/04/17 07:50  
Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-7

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		0.50	ppb		03/16/17 07:00	03/16/17 12:57	1

TestAmerica Phoenix



## Client Sample Results

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### Client Sample ID: ID 7 Kitchen S2

Lab Sample ID: 550-78736-8

Date Collected: 03/04/17 07:52

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb	—	03/16/17 07:00	03/16/17 12:59	1

### Client Sample ID: ID 8 Hand Sink

Lab Sample ID: 550-78736-9

Date Collected: 03/04/17 07:56

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0		0.50	ppb	—	03/16/17 07:00	03/16/17 13:01	1

### Client Sample ID: ID 9 Lav Sink

Lab Sample ID: 550-78736-10

Date Collected: 03/04/17 07:59

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.94		0.50	ppb	—	03/16/17 07:00	03/16/17 13:03	1

### Client Sample ID: ID 10 Hand Sink

Lab Sample ID: 550-78736-11

Date Collected: 03/04/17 08:00

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		0.50	ppb	—	03/16/17 07:00	03/16/17 13:05	1

### Client Sample ID: ID 11 Sink

Lab Sample ID: 550-78736-12

Date Collected: 03/04/17 08:03

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.83		0.50	ppb	—	03/16/17 07:00	03/16/17 13:07	1

### Client Sample ID: ID 12 H Sink

Lab Sample ID: 550-78736-13

Date Collected: 03/04/17 08:04

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.5		0.50	ppb	—	03/16/17 07:00	03/16/17 13:09	1

### Client Sample ID: ID 12 Kitchen Sink

Lab Sample ID: 550-78736-14

Date Collected: 03/04/17 08:05

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.50	ppb	—	03/16/17 07:00	03/16/17 13:11	1

TestAmerica Phoenix

## Client Sample Results

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### Client Sample ID: ID 14 Kitchen

Lab Sample ID: 550-78736-15

Date Collected: 03/04/17 08:08

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.8		0.50	ppb		03/16/17 07:00	03/16/17 13:17	1

### Client Sample ID: ID 1 D-2

Lab Sample ID: 550-78736-16

Date Collected: 03/05/17 08:08

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		0.50	ppb		03/16/17 07:00	03/16/17 13:19	1

### Client Sample ID: ID 2 D-2

Lab Sample ID: 550-78736-17

Date Collected: 03/05/17 08:13

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50	ppb		03/16/17 07:00	03/16/17 13:25	1

### Client Sample ID: ID 3 D-2

Lab Sample ID: 550-78736-18

Date Collected: 03/05/17 08:15

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/16/17 07:00	03/16/17 13:27	1

### Client Sample ID: ID 4 D-2

Lab Sample ID: 550-78736-19

Date Collected: 03/05/17 08:17

Matrix: Drinking Water

Date Received: 03/07/17 15:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.86		0.50	ppb		03/16/17 07:00	03/16/17 13:21	1

# QC Sample Results

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

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

Lab Sample ID: MB 550-112490/1-A  
Matrix: Water  
Analysis Batch: 112554

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 112490

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/16/17 06:54	03/16/17 11:39	1

Lab Sample ID: LCS 550-112490/4-A  
Matrix: Water  
Analysis Batch: 112554

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 112490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	90.3		ppb		90	85 - 115

Lab Sample ID: LCSD 550-112490/5-A  
Matrix: Water  
Analysis Batch: 112554

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 112490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	89.3		ppb		89	85 - 115	1	20

Lab Sample ID: 550-78733-A-1-B MS  
Matrix: Water  
Analysis Batch: 112554

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 112490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		100	84.9		ppb		85	70 - 130

Lab Sample ID: 550-78733-A-1-C MSD  
Matrix: Water  
Analysis Batch: 112554

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 112490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	ND		100	84.2		ppb		84	70 - 130	1	20

Lab Sample ID: MB 550-112491/1-A  
Matrix: Water  
Analysis Batch: 112555

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 112491

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/16/17 07:00	03/16/17 12:39	1

Lab Sample ID: LCS 550-112491/4-A  
Matrix: Water  
Analysis Batch: 112555

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 112491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	93.9		ppb		94	85 - 115

Lab Sample ID: LCSD 550-112491/5-A  
Matrix: Water  
Analysis Batch: 112555

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 112491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	93.7		ppb		94	85 - 115	0	20

TestAmerica Phoenix

## QC Sample Results

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

Lab Sample ID: 550-78736-5 MS  
Matrix: Drinking Water  
Analysis Batch: 112555

Client Sample ID: ID 4 BRR  
Prep Type: Total/NA  
Prep Batch: 112491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.91		100	87.6		ppb		87	70 - 130

Lab Sample ID: 550-78736-5 MSD  
Matrix: Drinking Water  
Analysis Batch: 112555

Client Sample ID: ID 4 BRR  
Prep Type: Total/NA  
Prep Batch: 112491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	0.91		100	88.9		ppb		88	70 - 130	2	20

## QC Association Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### Metals

#### Prep Batch: 112490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-78736-1	ID 1	Total/NA	Drinking Water	200.8	
550-78736-2	ID 1 flush	Total/NA	Drinking Water	200.8	
550-78736-3	ID 2	Total/NA	Drinking Water	200.8	
550-78736-4	ID 3	Total/NA	Drinking Water	200.8	
MB 550-112490/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-112490/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-112490/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-78733-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	
550-78733-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

#### Prep Batch: 112491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-78736-5	ID 4 BRR	Total/NA	Drinking Water	200.8	
550-78736-6	ID 5 GRR	Total/NA	Drinking Water	200.8	
550-78736-7	ID 6 Kitchen S1	Total/NA	Drinking Water	200.8	
550-78736-8	ID 7 Kitchen S2	Total/NA	Drinking Water	200.8	
550-78736-9	ID 8 Hand Sink	Total/NA	Drinking Water	200.8	
550-78736-10	ID 9 Lav Sink	Total/NA	Drinking Water	200.8	
550-78736-11	ID 10 Hand Sink	Total/NA	Drinking Water	200.8	
550-78736-12	ID 11 Sink	Total/NA	Drinking Water	200.8	
550-78736-13	ID 12 H Sink	Total/NA	Drinking Water	200.8	
550-78736-14	ID 12 Kitchen Sink	Total/NA	Drinking Water	200.8	
550-78736-15	ID 14 Kitchen	Total/NA	Drinking Water	200.8	
550-78736-16	ID 1 D-2	Total/NA	Drinking Water	200.8	
550-78736-17	ID 2 D-2	Total/NA	Drinking Water	200.8	
550-78736-18	ID 3 D-2	Total/NA	Drinking Water	200.8	
550-78736-19	ID 4 D-2	Total/NA	Drinking Water	200.8	
MB 550-112491/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-112491/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-112491/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-78736-5 MS	ID 4 BRR	Total/NA	Drinking Water	200.8	
550-78736-5 MSD	ID 4 BRR	Total/NA	Drinking Water	200.8	

#### Analysis Batch: 112554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-78736-1	ID 1	Total/NA	Drinking Water	200.8	112490
550-78736-2	ID 1 flush	Total/NA	Drinking Water	200.8	112490
550-78736-3	ID 2	Total/NA	Drinking Water	200.8	112490
550-78736-4	ID 3	Total/NA	Drinking Water	200.8	112490
MB 550-112490/1-A	Method Blank	Total/NA	Water	200.8	112490
LCS 550-112490/4-A	Lab Control Sample	Total/NA	Water	200.8	112490
LCSD 550-112490/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	112490
550-78733-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	112490
550-78733-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	112490

#### Analysis Batch: 112555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-78736-5	ID 4 BRR	Total/NA	Drinking Water	200.8	112491
550-78736-6	ID 5 GRR	Total/NA	Drinking Water	200.8	112491
550-78736-7	ID 6 Kitchen S1	Total/NA	Drinking Water	200.8	112491
550-78736-8	ID 7 Kitchen S2	Total/NA	Drinking Water	200.8	112491

TestAmerica Phoenix

## QC Association Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### Metals (Continued)

#### Analysis Batch: 112555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-78736-9	ID 8 Hand Sink	Total/NA	Drinking Water	200.8	112491
550-78736-10	ID 9 Lav Sink	Total/NA	Drinking Water	200.8	112491
550-78736-11	ID 10 Hand Sink	Total/NA	Drinking Water	200.8	112491
550-78736-12	ID 11 Sink	Total/NA	Drinking Water	200.8	112491
550-78736-13	ID 12 H Sink	Total/NA	Drinking Water	200.8	112491
550-78736-14	ID 12 Kitchen Sink	Total/NA	Drinking Water	200.8	112491
550-78736-15	ID 14 Kitchen	Total/NA	Drinking Water	200.8	112491
550-78736-16	ID 1 D-2	Total/NA	Drinking Water	200.8	112491
550-78736-17	ID 2 D-2	Total/NA	Drinking Water	200.8	112491
550-78736-18	ID 3 D-2	Total/NA	Drinking Water	200.8	112491
550-78736-19	ID 4 D-2	Total/NA	Drinking Water	200.8	112491
MB 550-112491/1-A	Method Blank	Total/NA	Water	200.8	112491
LCS 550-112491/4-A	Lab Control Sample	Total/NA	Water	200.8	112491
LCSD 550-112491/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	112491
550-78736-5 MS	ID 4 BRR	Total/NA	Drinking Water	200.8	112491
550-78736-5 MSD	ID 4 BRR	Total/NA	Drinking Water	200.8	112491

# Lab Chronicle

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

## Client Sample ID: ID 1

Date Collected: 03/04/17 07:32

Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112490	03/16/17 06:54	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112554	03/16/17 12:28	TEK	TAL PHX

## Client Sample ID: ID 1 flush

Date Collected: 03/04/17 07:36

Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112490	03/16/17 06:54	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112554	03/16/17 12:30	TEK	TAL PHX

## Client Sample ID: ID 2

Date Collected: 03/04/17 07:40

Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112490	03/16/17 06:54	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112554	03/16/17 12:32	TEK	TAL PHX

## Client Sample ID: ID 3

Date Collected: 03/04/17 07:41

Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112490	03/16/17 06:54	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112554	03/16/17 12:34	TEK	TAL PHX

## Client Sample ID: ID 4 BRR

Date Collected: 03/04/17 07:45

Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 12:49	TEK	TAL PHX

## Client Sample ID: ID 5 GRR

Date Collected: 03/04/17 07:47

Date Received: 03/07/17 15:38

## Lab Sample ID: 550-78736-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 12:55	TEK	TAL PHX

TestAmerica Phoenix

# Lab Chronicle

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

## Client Sample ID: ID 6 Kitchen S1

Lab Sample ID: 550-78736-7

Date Collected: 03/04/17 07:50

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 12:57	TEK	TAL PHX

## Client Sample ID: ID 7 Kitchen S2

Lab Sample ID: 550-78736-8

Date Collected: 03/04/17 07:52

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 12:59	TEK	TAL PHX

## Client Sample ID: ID 8 Hand Sink

Lab Sample ID: 550-78736-9

Date Collected: 03/04/17 07:56

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:01	TEK	TAL PHX

## Client Sample ID: ID 9 Lav Sink

Lab Sample ID: 550-78736-10

Date Collected: 03/04/17 07:59

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:03	TEK	TAL PHX

## Client Sample ID: ID 10 Hand Sink

Lab Sample ID: 550-78736-11

Date Collected: 03/04/17 08:00

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:05	TEK	TAL PHX

## Client Sample ID: ID 11 Sink

Lab Sample ID: 550-78736-12

Date Collected: 03/04/17 08:03

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:07	TEK	TAL PHX

TestAmerica Phoenix



## Lab Chronicle

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### Client Sample ID: ID 12 H Sink

Lab Sample ID: 550-78736-13

Date Collected: 03/04/17 08:04

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:09	TEK	TAL PHX

### Client Sample ID: ID 12 Kitchen Sink

Lab Sample ID: 550-78736-14

Date Collected: 03/04/17 08:05

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:11	TEK	TAL PHX

### Client Sample ID: ID 14 Kitchen

Lab Sample ID: 550-78736-15

Date Collected: 03/04/17 08:08

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:17	TEK	TAL PHX

### Client Sample ID: ID 1 D-2

Lab Sample ID: 550-78736-16

Date Collected: 03/05/17 08:08

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:19	TEK	TAL PHX

### Client Sample ID: ID 2 D-2

Lab Sample ID: 550-78736-17

Date Collected: 03/05/17 08:13

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:25	TEK	TAL PHX

### Client Sample ID: ID 3 D-2

Lab Sample ID: 550-78736-18

Date Collected: 03/05/17 08:15

Matrix: Drinking Water

Date Received: 03/07/17 15:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:27	TEK	TAL PHX

Lab Chronicle

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

Client Sample ID: ID 4 D-2

Date Collected: 03/05/17 08:17

Date Received: 03/07/17 15:38

Lab Sample ID: 550-78736-19

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			112491	03/16/17 07:00	SGO	TAL PHX
Total/NA	Analysis	200.8		1	112555	03/16/17 13:21	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 / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

### 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
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## Method Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / TUHSD

TestAmerica Job ID: 550-78736-1  
SDG: Tolleson High School confirmation sampling

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

78736

Lead In Schools Confirmation Sampling Log

School District: TVHSN

School Name: Tagleson High School

Building Name/Number/Year Built: 2900 Cafeteria

Sample Collector Name and Phone Number: Frank Gonzalez / Richard Oros

Part 1

	Fountain/faucet name location	Sample ID number	Sample ID	Collection Time	Collection Date
1	2900 DF ID 1 L	ID 1		7:32 AM	3-4-17
2	2900 DF ID 1 flush	ID 1 flush		7:36 AM	3-4-17
3	2900 DF ID 2	ID 2		7:40 AM	3-4-17
4	2900 DF ID 3	ID 3		7:41 AM	3-4-17
5	2900 Sink ID 4 BRR	ID 4 BRR		7:45 AM	3-4-17
6	2900 Sink GRR ID 5	ID 5 GRR		7:47 AM	3-4-17
7	2900 Sink Kitchen ID 6	ID 6 Kitchen S1	Sink 1	7:50 AM	3-4-17
8	2900 Sink Kitchen ID 7	ID 7 Kitchen S2	Sink 2	7:52 AM	3-4-17
9	2900 Sink Kitchen ID 8	ID 8 Hand Sink	Sink 3	7:58 AM	3-4-17
10	2900 Lav Sink ID 9	ID 9 Lav Sink	Sink 4	7:59 AM	3-4-17
11	2900 Hand Sink ID 10	ID 10 Hand Sink	Sink 5	8:00 AM	3-4-17
12	2900 Sink ID 11	ID 11 Sink	Sink 6	8:03 AM	3-4-17
13	2900 Sink Hand ID 12	ID 12 H Sink	Sink 7	8:04 AM	3-4-17
14	2900 Kitchen Sink ID 13	ID 12 Kitchen Sink	Sink 8	8:05 AM	3-4-17
15	2900 Kith Hand Sink ID 14	ID 14 Kitchen	Sink 9	8:08 AM	3-4-17
16					
17					
18					
19					
20	2900 South Hand Sink ID 10-2	ID 10-2		8:08 AM	3-5-17
21	2900 South Hand Sink ID 20-2	ID 20-2		8:13 AM	3-5-17
22	2900 South Hand Sink ID 30-2	ID 30-2		8:15 AM	3-5-17
23	2900 South Hand Sink ID 40-2	ID 40-2		8:17 AM	3-5-17
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

Part 2



These samples were collected for screening purposes only and are not to be used for compliance determinations

## Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-78736-1

SDG Number: Tolleson High School confirmation sampling

**Login Number: 78736**

**List Source: TestAmerica Phoenix**

**List Number: 1**

**Creator: Vilaboy, Monica**

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.