

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Phoenix

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Tel: (602)437-3340

TestAmerica Job ID: 550-82856-1

TestAmerica Sample Delivery Group: Lake Havasu High School

Client Project/Site: Pb in DW/Lake Havasu Unified District

For:

Arizona Dept of Environmental Quality

1110 W. Washington St., MC5415B-1

Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:

5/23/2017 3:23:11 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/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu 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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Job ID: 550-82856-1

Laboratory: TestAmerica Phoenix

Narrative

Job Narrative 550-82856-1

Comments

No additional comments.

Receipt

The samples were received on 5/16/2017 10:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 22.9° C.

Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 1001-1 (550-82856-1), 1002-1 (550-82856-2), 1002-2 (550-82856-3), 1003-1 (550-82856-4), 1003-2 (550-82856-5), 1004-1 (550-82856-6), 1004-2 (550-82856-7), 1005-1 (550-82856-8), 1005-2 (550-82856-9), 1006-1 (550-82856-10), 1007-1 (550-82856-11), 1008-1 (550-82856-12) and 1010-1 (550-82856-13). 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/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-82856-1	1001-1	Drinking Water	05/14/17 05:56	05/16/17 10:45
550-82856-2	1002-1	Drinking Water	05/14/17 06:06	05/16/17 10:45
550-82856-3	1002-2	Drinking Water	05/14/17 06:10	05/16/17 10:45
550-82856-4	1003-1	Drinking Water	05/14/17 06:28	05/16/17 10:45
550-82856-5	1003-2	Drinking Water	05/14/17 06:33	05/16/17 10:45
550-82856-6	1004-1	Drinking Water	05/14/17 07:26	05/16/17 10:45
550-82856-7	1004-2	Drinking Water	05/14/17 07:28	05/16/17 10:45
550-82856-8	1005-1	Drinking Water	05/14/17 07:02	05/16/17 10:45
550-82856-9	1005-2	Drinking Water	05/14/17 07:02	05/16/17 10:45
550-82856-10	1006-1	Drinking Water	05/14/17 06:18	05/16/17 10:45
550-82856-11	1007-1	Drinking Water	05/14/17 06:57	05/16/17 10:45
550-82856-12	1008-1	Drinking Water	05/14/17 06:47	05/16/17 10:45
550-82856-13	1010-1	Drinking Water	05/14/17 07:16	05/16/17 10:45

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Client Sample ID: 1001-1

Lab Sample ID: 550-82856-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.66		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1002-1

Lab Sample ID: 550-82856-2

No Detections.

Client Sample ID: 1002-2

Lab Sample ID: 550-82856-3

No Detections.

Client Sample ID: 1003-1

Lab Sample ID: 550-82856-4

No Detections.

Client Sample ID: 1003-2

Lab Sample ID: 550-82856-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.8		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1004-1

Lab Sample ID: 550-82856-6

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

Client Sample ID: 1004-2

Lab Sample ID: 550-82856-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.69		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1005-1

Lab Sample ID: 550-82856-8

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: 1005-2

Lab Sample ID: 550-82856-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.9		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1006-1

Lab Sample ID: 550-82856-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.77		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1007-1

Lab Sample ID: 550-82856-11

No Detections.

Client Sample ID: 1008-1

Lab Sample ID: 550-82856-12

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Client Sample ID: 1008-1 (Continued)

Lab Sample ID: 550-82856-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.88		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1010-1

Lab Sample ID: 550-82856-13

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.1		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/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Client Sample ID: 1001-1
Date Collected: 05/14/17 05:56
Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-1
Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.66		0.50	ppb		05/18/17 05:35	05/22/17 12:38	1

Client Sample ID: 1002-1
Date Collected: 05/14/17 06:06
Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-2
Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		05/18/17 05:35	05/22/17 12:40	1

Client Sample ID: 1002-2
Date Collected: 05/14/17 06:10
Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-3
Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		05/18/17 05:35	05/22/17 12:46	1

Client Sample ID: 1003-1
Date Collected: 05/14/17 06:28
Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-4
Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		05/18/17 05:35	05/22/17 12:48	1

Client Sample ID: 1003-2
Date Collected: 05/14/17 06:33
Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-5
Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.8		0.50	ppb		05/18/17 05:35	05/22/17 12:50	1

Client Sample ID: 1004-1
Date Collected: 05/14/17 07:26
Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-6
Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.5		0.50	ppb		05/18/17 05:35	05/22/17 12:51	1

Client Sample ID: 1004-2
Date Collected: 05/14/17 07:28
Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-7
Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.69		0.50	ppb		05/18/17 05:35	05/22/17 12:53	1

TestAmerica Phoenix

Client Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Client Sample ID: 1005-1

Date Collected: 05/14/17 07:02

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-8

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		05/18/17 05:35	05/22/17 12:55	1

Client Sample ID: 1005-2

Date Collected: 05/14/17 07:02

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-9

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.9		0.50	ppb		05/18/17 05:35	05/22/17 12:57	1

Client Sample ID: 1006-1

Date Collected: 05/14/17 06:18

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-10

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.77		0.50	ppb		05/18/17 05:35	05/22/17 12:59	1

Client Sample ID: 1007-1

Date Collected: 05/14/17 06:57

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-11

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		05/18/17 05:35	05/22/17 13:01	1

Client Sample ID: 1008-1

Date Collected: 05/14/17 06:47

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-12

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.88		0.50	ppb		05/18/17 05:35	05/22/17 13:03	1

Client Sample ID: 1010-1

Date Collected: 05/14/17 07:16

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-13

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.1		0.50	ppb		05/18/17 05:42	05/18/17 12:29	1

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-117698/1-A

Matrix: Water

Analysis Batch: 118004

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117698

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		05/18/17 05:35	05/22/17 12:12	1

Lab Sample ID: LCS 550-117698/3-A

Matrix: Water

Analysis Batch: 118004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	86.8		ppb		87	85 - 115

Lab Sample ID: LCSD 550-117698/4-A

Matrix: Water

Analysis Batch: 118004

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	87.2		ppb		87	85 - 115	0	20

Lab Sample ID: 550-82846-AW-1-I MS

Matrix: Water

Analysis Batch: 118004

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		100	81.4		ppb		81	70 - 130

Lab Sample ID: 550-82846-AW-1-J MSD

Matrix: Water

Analysis Batch: 118004

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	ND		100	83.2		ppb		83	70 - 130	2	20

Lab Sample ID: MB 550-117699/1-A

Matrix: Water

Analysis Batch: 117765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117699

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		05/18/17 05:42	05/18/17 12:21	1

Lab Sample ID: LCS 550-117699/3-A

Matrix: Water

Analysis Batch: 117765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117699

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	90.7		ppb		91	85 - 115

Lab Sample ID: LCSD 550-117699/4-A

Matrix: Water

Analysis Batch: 117765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117699

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	90.6		ppb		91	85 - 115	0	20

TestAmerica Phoenix

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Lab Sample ID: 550-82856-13 MS

Matrix: Drinking Water

Analysis Batch: 117765

Client Sample ID: 1010-1

Prep Type: Total/NA

Prep Batch: 117699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.1		100	88.5		ppb		87	70 - 130

Lab Sample ID: 550-82856-13 MSD

Matrix: Drinking Water

Analysis Batch: 117765

Client Sample ID: 1010-1

Prep Type: Total/NA

Prep Batch: 117699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	1.1		100	88.2		ppb		87	70 - 130	0	20

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Metals

Prep Batch: 117698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-82856-1	1001-1	Total/NA	Drinking Water	200.8	
550-82856-2	1002-1	Total/NA	Drinking Water	200.8	
550-82856-3	1002-2	Total/NA	Drinking Water	200.8	
550-82856-4	1003-1	Total/NA	Drinking Water	200.8	
550-82856-5	1003-2	Total/NA	Drinking Water	200.8	
550-82856-6	1004-1	Total/NA	Drinking Water	200.8	
550-82856-7	1004-2	Total/NA	Drinking Water	200.8	
550-82856-8	1005-1	Total/NA	Drinking Water	200.8	
550-82856-9	1005-2	Total/NA	Drinking Water	200.8	
550-82856-10	1006-1	Total/NA	Drinking Water	200.8	
550-82856-11	1007-1	Total/NA	Drinking Water	200.8	
550-82856-12	1008-1	Total/NA	Drinking Water	200.8	
MB 550-117698/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-117698/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-117698/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-82846-AW-1-I MS	Matrix Spike	Total/NA	Water	200.8	
550-82846-AW-1-J MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Prep Batch: 117699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-82856-13	1010-1	Total/NA	Drinking Water	200.8	
MB 550-117699/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-117699/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-117699/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-82856-13 MS	1010-1	Total/NA	Drinking Water	200.8	
550-82856-13 MSD	1010-1	Total/NA	Drinking Water	200.8	

Analysis Batch: 117765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-82856-13	1010-1	Total/NA	Drinking Water	200.8	117699
MB 550-117699/1-A	Method Blank	Total/NA	Water	200.8	117699
LCS 550-117699/3-A	Lab Control Sample	Total/NA	Water	200.8	117699
LCSD 550-117699/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	117699
550-82856-13 MS	1010-1	Total/NA	Drinking Water	200.8	117699
550-82856-13 MSD	1010-1	Total/NA	Drinking Water	200.8	117699

Analysis Batch: 118004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-82856-1	1001-1	Total/NA	Drinking Water	200.8	117698
550-82856-2	1002-1	Total/NA	Drinking Water	200.8	117698
550-82856-3	1002-2	Total/NA	Drinking Water	200.8	117698
550-82856-4	1003-1	Total/NA	Drinking Water	200.8	117698
550-82856-5	1003-2	Total/NA	Drinking Water	200.8	117698
550-82856-6	1004-1	Total/NA	Drinking Water	200.8	117698
550-82856-7	1004-2	Total/NA	Drinking Water	200.8	117698
550-82856-8	1005-1	Total/NA	Drinking Water	200.8	117698
550-82856-9	1005-2	Total/NA	Drinking Water	200.8	117698
550-82856-10	1006-1	Total/NA	Drinking Water	200.8	117698
550-82856-11	1007-1	Total/NA	Drinking Water	200.8	117698
550-82856-12	1008-1	Total/NA	Drinking Water	200.8	117698
MB 550-117698/1-A	Method Blank	Total/NA	Water	200.8	117698

TestAmerica Phoenix

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Metals (Continued)

Analysis Batch: 118004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 550-117698/3-A	Lab Control Sample	Total/NA	Water	200.8	117698
LCSD 550-117698/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	117698
550-82846-AW-1-I MS	Matrix Spike	Total/NA	Water	200.8	117698
550-82846-AW-1-J MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	117698

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Client Sample ID: 1001-1

Date Collected: 05/14/17 05:56

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:38	TEK	TAL PHX

Client Sample ID: 1002-1

Date Collected: 05/14/17 06:06

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:40	TEK	TAL PHX

Client Sample ID: 1002-2

Date Collected: 05/14/17 06:10

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:46	TEK	TAL PHX

Client Sample ID: 1003-1

Date Collected: 05/14/17 06:28

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:48	TEK	TAL PHX

Client Sample ID: 1003-2

Date Collected: 05/14/17 06:33

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:50	TEK	TAL PHX

Client Sample ID: 1004-1

Date Collected: 05/14/17 07:26

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:51	TEK	TAL PHX

TestAmerica Phoenix

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Client Sample ID: 1004-2

Date Collected: 05/14/17 07:28

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:53	TEK	TAL PHX

Client Sample ID: 1005-1

Date Collected: 05/14/17 07:02

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-8

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:55	TEK	TAL PHX

Client Sample ID: 1005-2

Date Collected: 05/14/17 07:02

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-9

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:57	TEK	TAL PHX

Client Sample ID: 1006-1

Date Collected: 05/14/17 06:18

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-10

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 12:59	TEK	TAL PHX

Client Sample ID: 1007-1

Date Collected: 05/14/17 06:57

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-11

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 13:01	TEK	TAL PHX

Client Sample ID: 1008-1

Date Collected: 05/14/17 06:47

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-12

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117698	05/18/17 05:35	SGO	TAL PHX
Total/NA	Analysis	200.8		1	118004	05/22/17 13:03	TEK	TAL PHX

TestAmerica Phoenix

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu High School

Client Sample ID: 1010-1

Date Collected: 05/14/17 07:16

Date Received: 05/16/17 10:45

Lab Sample ID: 550-82856-13

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			117699	05/18/17 05:42	SGO	TAL PHX
Total/NA	Analysis	200.8		1	117765	05/18/17 12:29	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/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu 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
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* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Phoenix

Method Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Lake Havasu Unified District

TestAmerica Job ID: 550-82856-1
SDG: Lake Havasu 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

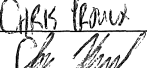
82856

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.

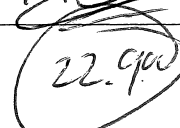
- ☒ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	LHUSD
School Name	HL SCHOOL
Building (name/number)	1001
Type of Fixture (tap, <u>drinking fountain</u> etc.)	
Location of Fixture (example, room number)	CAFETERIA COMMONS
Sample Identification Number (<u>Write the number here and on sample container</u>)	1001-1
Date of Collection	5-14-17
Time of Collection	5:56 AM
Printed Name of Sample Collector	CHRIS FLORES
Signature Sample Collector	

550-82856 Chain of Custody



Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/16/17 10:45
Signature	
Notes: FEG 22.9ppb no ice	

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	LHUSD
School Name	H. School
Building (name/number)	1002
Type of Fixture (tap, <u>drinking fountain</u> etc.)	
Location of Fixture (example, room number)	ACROSS FROM A102
Sample Identification Number (<u>Write the number here and on sample container</u>)	1002-1
Date of Collection	5-14-17
Time of Collection	6:06
Printed Name of Sample Collector	CHRIS PERRY
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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


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	LHMSD
School Name	H1 SCHOOL
Building (name/number)	1002
Type of Fixture (tap, <u>drinking fountain</u> etc.)	
Location of Fixture (example, room number)	BY COUNSELORS OFFICE
Sample Identification Number (<u>Write the number here and on sample container</u>)	1002-2
Date of Collection	5-14-17
Time of Collection	6:10 AM
Printed Name of Sample Collector	CHRIS PRANT
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

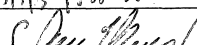
③

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	EL PASO
School Name	H. SCHOLZ
Building (name/number)	1003
Type of Fixture (tap, <u>drinking fountain</u> , etc.)	
Location of Fixture (example, room number)	HALLWAY (BY C108)
Sample Identification Number (<u>Write the number here and on sample container</u>)	1003-1
Date of Collection	5-14-17
Time of Collection	6:28 AM
Printed Name of Sample Collector	CHRIS LEAND
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

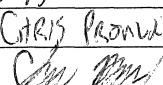


Collection Log

for experienced sample collectors

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

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

Name of School District	LHU50
School Name	H1 SCHOOL
Building (name/number)	1003
Type of Fixture (tap) drinking fountain etc.)	SINK
Location of Fixture (example, room number)	LOUNGE SINK
Sample Identification Number (<u>Write the number here and on sample container</u>)	1003-2
Date of Collection	5-14-17
Time of Collection	6:33
Printed Name of Sample Collector	CHRIS PROWL
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

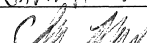
5

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	LHMSD
School Name	W SCHOOL
Building (name/number)	1002
Type of Fixture (tap, drinking fountain etc.)	
Location of Fixture (example, room number)	NEAR TO D107
Sample Identification Number (<u>Write the number here and on sample container</u>)	1004-1
Date of Collection	5-11-17
Time of Collection	7:26 AM
Printed Name of Sample Collector	CARIS PLOW
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

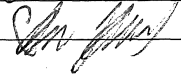
60

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	LHMSD
School Name	W SCHOOL
Building (name/number)	1004
Type of Fixture (tap, <u>drinking fountain</u> etc.)	
Location of Fixture (example, room number)	ACROSS FROM D105
Sample Identification Number (<u>Write the number here and on sample container</u>)	1004-2
Date of Collection	7:28
Time of Collection	5-14-17
Printed Name of Sample Collector	CHRIS PRONIA
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 _____

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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	LHUSD
School Name	H1 School
Building (name/number)	1005
Type of Fixture (tap, drinking fountain/etc.)	
Location of Fixture (example, room number)	Near to Chapel Center
Sample Identification Number (<u>Write the number here and on sample container</u>)	1005-1
Date of Collection	5-19-17
Time of Collection	7:02
Printed Name of Sample Collector	CHRIS PEREZ
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

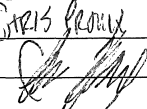
8

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	LHUSD
School Name	Hi School
Building (name/number)	1005
Type of Fixture (tap, drinking fountain etc.)	SINK
Location of Fixture (example, room number)	CAREER CENTER
Sample Identification Number (<u>Write the number here and on sample container</u>)	1005-2
Date of Collection	5-14-17
Time of Collection	7:02
Printed Name of Sample Collector	CHRIS LEON
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 _____

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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	UAWD
School Name	H1 SCHOOL
Building (name/number)	E BLDG (1006)
Type of Fixture (tap, drinking fountain etc.)	
Location of Fixture (example, room number)	BREAKROOM SINK
Sample Identification Number (<u>Write the number here and on sample container</u>)	1006-1
Date of Collection	5-14-17
Time of Collection	6:18 AM
Printed Name of Sample Collector	CHERYL BROWN
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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


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	LHMSD
School Name	HS SYMBOL
Building (name/number)	1057
Type of Fixture (tap, <u>drinking fountain</u> etc.)	
Location of Fixture (example, room number)	ACROSS FROM 5-127
Sample Identification Number (<u>Write the number here and on sample container</u>)	1007-1
Date of Collection	5-14-17
Time of Collection	6:57 AM
Printed Name of Sample Collector	CHRIS GILBERT
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

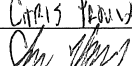
These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

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

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


Name of School District	WUSD
School Name	H1 SCHOOL
Building (name/number)	1008
Type of Fixture (tap, drinking fountain etc.)	
Location of Fixture (example, room number)	FRONT ENTRANCE
Sample Identification Number (<u>Write the number here and on sample container</u>)	1008-1
Date of Collection	5-19-17
Time of Collection	6:47 AM
Printed Name of Sample Collector	CARIS PEREZ
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

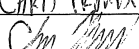
 These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

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- ☒ 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	DHUSO
School Name	H1 School
Building (name/number)	1010
Type of Fixture (tap, drinking fountain etc.)	
Location of Fixture (example, room number)	67M
Sample Identification Number (Write the number here and on sample container)	1010-1
Date of Collection	5-14-17
Time of Collection	7:16 AM
Printed Name of Sample Collector	Chris Lopez
Signature Sample Collector	

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-82856-1
SDG Number: Lake Havasu High School

Login Number: 82856

List Number: 1

Creator: Gravlin, Andrea

List Source: TestAmerica Phoenix

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