

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Phoenix

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Tel: (602)437-3340

TestAmerica Job ID: 550-79458-1

TestAmerica SDG: Grand East School Confirmation Sampling

Client Project/Site: Pb in DW / Alhambra Elem School District

For:

Arizona Dept of Environmental Quality

1110 W. Washington St., MC5415B-1

Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:

3/31/2017 11:00:46 AM

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

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	8
QC Sample Results	11
QC Association Summary	13
Lab Chronicle	15
Certification Summary	19
Method Summary	20
Chain of Custody	21
Receipt Checklists	23



Definitions/Glossary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

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 / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Job ID: 550-79458-1

Laboratory: TestAmerica Phoenix

Narrative

Job Narrative 550-79458-1

Comments

No additional comments.

Receipt

The samples were received on 3/17/2017 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 25.3° C.

Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 1 (550-79458-1), 3 (550-79458-2), 4 (550-79458-3), 2 (550-79458-4), ID-1 (550-79458-5), ID-Flush (550-79458-6), ID-1 (550-79458-7), ID-Flush (550-79458-8), D2-1 (550-79458-9), D2-2 (550-79458-10), D2-3 (550-79458-11), D2-4 (550-79458-12), 1 (550-79458-13), ID-1 (550-79458-14), ID-Flush (550-79458-15), 2 (550-79458-16), 3 (550-79458-17) and 4 (550-79458-18). 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 / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-79458-1	1	Drinking Water	03/16/17 08:57	03/17/17 16:30
550-79458-2	3	Drinking Water	03/16/17 08:57	03/17/17 16:30
550-79458-3	4	Drinking Water	03/16/17 08:57	03/17/17 16:30
550-79458-4	2	Drinking Water	03/16/17 08:57	03/17/17 16:30
550-79458-5	ID-1	Drinking Water	03/15/17 14:26	03/17/17 16:30
550-79458-6	ID-Flush	Drinking Water	03/15/17 14:29	03/17/17 16:30
550-79458-7	ID-1	Drinking Water	03/15/17 14:33	03/17/17 16:30
550-79458-8	ID-Flush	Drinking Water	03/15/17 14:35	03/17/17 16:30
550-79458-9	D2-1	Drinking Water	03/16/17 09:05	03/17/17 16:30
550-79458-10	D2-2	Drinking Water	03/16/17 09:05	03/17/17 16:30
550-79458-11	D2-3	Drinking Water	03/16/17 09:05	03/17/17 16:30
550-79458-12	D2-4	Drinking Water	03/16/17 09:05	03/17/17 16:30
550-79458-13	1	Drinking Water	03/16/17 09:08	03/17/17 16:30
550-79458-14	ID-1	Drinking Water	03/15/17 14:36	03/17/17 16:30
550-79458-15	ID-Flush	Drinking Water	03/15/17 14:38	03/17/17 16:30
550-79458-16	2	Drinking Water	03/16/17 09:08	03/17/17 16:30
550-79458-17	3	Drinking Water	03/16/17 09:08	03/17/17 16:30
550-79458-18	4	Drinking Water	03/16/17 09:08	03/17/17 16:30

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: 1

Lab Sample ID: 550-79458-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	21		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 3

Lab Sample ID: 550-79458-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	24		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 4

Lab Sample ID: 550-79458-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	20		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 2

Lab Sample ID: 550-79458-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	19		0.50	ppb	1		200.8	Total/NA

Client Sample ID: ID-1

Lab Sample ID: 550-79458-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	88		0.50	ppb	1		200.8	Total/NA

Client Sample ID: ID-Flush

Lab Sample ID: 550-79458-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.4		0.50	ppb	1		200.8	Total/NA

Client Sample ID: ID-1

Lab Sample ID: 550-79458-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	17		0.50	ppb	1		200.8	Total/NA

Client Sample ID: ID-Flush

Lab Sample ID: 550-79458-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.4		0.50	ppb	1		200.8	Total/NA

Client Sample ID: D2-1

Lab Sample ID: 550-79458-9

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

Client Sample ID: D2-2

Lab Sample ID: 550-79458-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	17		0.50	ppb	1		200.8	Total/NA

Client Sample ID: D2-3

Lab Sample ID: 550-79458-11

—

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: D2-3 (Continued)

Lab Sample ID: 550-79458-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	15		0.50	ppb	1		200.8	Total/NA

Client Sample ID: D2-4

Lab Sample ID: 550-79458-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.6		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1

Lab Sample ID: 550-79458-13

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

Lab Sample ID: 550-79458-14

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-Flush

Lab Sample ID: 550-79458-15

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.3		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 2

Lab Sample ID: 550-79458-16

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

Client Sample ID: 3

Lab Sample ID: 550-79458-17

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

Client Sample ID: 4

Lab Sample ID: 550-79458-18

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	13		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 / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: 1

Date Collected: 03/16/17 08:57
Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-1

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		0.50	ppb		03/27/17 06:04	03/30/17 19:25	1

Client Sample ID: 3

Date Collected: 03/16/17 08:57
Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-2

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		0.50	ppb		03/27/17 06:04	03/30/17 19:30	1

Client Sample ID: 4

Date Collected: 03/16/17 08:57
Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-3

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20		0.50	ppb		03/27/17 06:04	03/30/17 19:32	1

Client Sample ID: 2

Date Collected: 03/16/17 08:57
Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-4

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		0.50	ppb		03/27/17 06:04	03/30/17 19:34	1

Client Sample ID: ID-1

Date Collected: 03/15/17 14:26
Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-5

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	88		0.50	ppb		03/25/17 15:09	03/30/17 18:45	1

Client Sample ID: ID-Flush

Date Collected: 03/15/17 14:29
Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-6

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.4		0.50	ppb		03/27/17 06:04	03/30/17 19:36	1

Client Sample ID: ID-1

Date Collected: 03/15/17 14:33
Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-7

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		0.50	ppb		03/27/17 06:04	03/30/17 19:38	1

TestAmerica Phoenix

Client Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: ID-Flush

Lab Sample ID: 550-79458-8

Date Collected: 03/15/17 14:35

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.4		0.50	ppb		03/27/17 06:04	03/30/17 19:40	1

Client Sample ID: D2-1

Lab Sample ID: 550-79458-9

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.50	ppb		03/27/17 06:04	03/30/17 19:42	1

Client Sample ID: D2-2

Lab Sample ID: 550-79458-10

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		0.50	ppb		03/27/17 06:04	03/30/17 19:44	1

Client Sample ID: D2-3

Lab Sample ID: 550-79458-11

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		0.50	ppb		03/27/17 06:04	03/30/17 19:45	1

Client Sample ID: D2-4

Lab Sample ID: 550-79458-12

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.6		0.50	ppb		03/27/17 06:04	03/30/17 19:51	1

Client Sample ID: 1

Lab Sample ID: 550-79458-13

Date Collected: 03/16/17 09:08

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.50	ppb		03/27/17 06:04	03/30/17 19:53	1

Client Sample ID: ID-1

Lab Sample ID: 550-79458-14

Date Collected: 03/15/17 14:36

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.50	ppb		03/27/17 06:04	03/30/17 19:55	1

TestAmerica Phoenix

Client Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: ID-Flush

Date Collected: 03/15/17 14:38

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-15

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.3		0.50	ppb		03/27/17 06:04	03/30/17 19:57	1

Client Sample ID: 2

Date Collected: 03/16/17 09:08

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-16

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.50	ppb		03/27/17 06:04	03/30/17 19:59	1

Client Sample ID: 3

Date Collected: 03/16/17 09:08

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-17

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		0.50	ppb		03/27/17 06:04	03/30/17 20:01	1

Client Sample ID: 4

Date Collected: 03/16/17 09:08

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-18

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		0.50	ppb		03/27/17 06:04	03/30/17 20:03	1

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-113253/1-A
Matrix: Water
Analysis Batch: 113734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113253

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/25/17 15:09	03/30/17 18:20	1

Lab Sample ID: LCS 550-113253/4-A
Matrix: Water
Analysis Batch: 113734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	98.6		ppb		99	85 - 115

Lab Sample ID: LCSD 550-113253/5-A
Matrix: Water
Analysis Batch: 113734

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113253

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	97.9		ppb		98	85 - 115	1	20

Lab Sample ID: 550-79583-A-2-C MS
Matrix: Water
Analysis Batch: 113734

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		100	90.5		ppb		91	70 - 130

Lab Sample ID: 550-79583-A-2-D MSD
Matrix: Water
Analysis Batch: 113734

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	ND		100	89.9		ppb		90	70 - 130	1	20

Lab Sample ID: MB 550-113273/1-A
Matrix: Water
Analysis Batch: 113735

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113273

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		03/27/17 06:04	03/30/17 19:15	1

Lab Sample ID: LCS 550-113273/4-A
Matrix: Water
Analysis Batch: 113735

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	94.5		ppb		94	85 - 115

Lab Sample ID: LCSD 550-113273/5-A
Matrix: Water
Analysis Batch: 113735

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	91.7		ppb		92	85 - 115	3	20

TestAmerica Phoenix

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Lab Sample ID: 550-79458-1 MS
Matrix: Drinking Water
Analysis Batch: 113735

Client Sample ID: 1
Prep Type: Total/NA
Prep Batch: 113273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	21		100	112		ppb		91	70 - 130

Lab Sample ID: 550-79458-1 MSD
Matrix: Drinking Water
Analysis Batch: 113735

Client Sample ID: 1
Prep Type: Total/NA
Prep Batch: 113273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	21		100	110		ppb		89	70 - 130	2	20

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Metals

Prep Batch: 113253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79458-5	ID-1	Total/NA	Drinking Water	200.8	
MB 550-113253/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-113253/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-113253/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-79583-A-2-C MS	Matrix Spike	Total/NA	Water	200.8	
550-79583-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Prep Batch: 113273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79458-1	1	Total/NA	Drinking Water	200.8	
550-79458-2	3	Total/NA	Drinking Water	200.8	
550-79458-3	4	Total/NA	Drinking Water	200.8	
550-79458-4	2	Total/NA	Drinking Water	200.8	
550-79458-6	ID-Flush	Total/NA	Drinking Water	200.8	
550-79458-7	ID-1	Total/NA	Drinking Water	200.8	
550-79458-8	ID-Flush	Total/NA	Drinking Water	200.8	
550-79458-9	D2-1	Total/NA	Drinking Water	200.8	
550-79458-10	D2-2	Total/NA	Drinking Water	200.8	
550-79458-11	D2-3	Total/NA	Drinking Water	200.8	
550-79458-12	D2-4	Total/NA	Drinking Water	200.8	
550-79458-13	1	Total/NA	Drinking Water	200.8	
550-79458-14	ID-1	Total/NA	Drinking Water	200.8	
550-79458-15	ID-Flush	Total/NA	Drinking Water	200.8	
550-79458-16	2	Total/NA	Drinking Water	200.8	
550-79458-17	3	Total/NA	Drinking Water	200.8	
550-79458-18	4	Total/NA	Drinking Water	200.8	
MB 550-113273/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-113273/4-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-113273/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-79458-1 MS	1	Total/NA	Drinking Water	200.8	
550-79458-1 MSD	1	Total/NA	Drinking Water	200.8	

Analysis Batch: 113734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79458-5	ID-1	Total/NA	Drinking Water	200.8	113253
MB 550-113253/1-A	Method Blank	Total/NA	Water	200.8	113253
LCS 550-113253/4-A	Lab Control Sample	Total/NA	Water	200.8	113253
LCSD 550-113253/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	113253
550-79583-A-2-C MS	Matrix Spike	Total/NA	Water	200.8	113253
550-79583-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	113253

Analysis Batch: 113735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79458-1	1	Total/NA	Drinking Water	200.8	113273
550-79458-2	3	Total/NA	Drinking Water	200.8	113273
550-79458-3	4	Total/NA	Drinking Water	200.8	113273
550-79458-4	2	Total/NA	Drinking Water	200.8	113273
550-79458-6	ID-Flush	Total/NA	Drinking Water	200.8	113273
550-79458-7	ID-1	Total/NA	Drinking Water	200.8	113273
550-79458-8	ID-Flush	Total/NA	Drinking Water	200.8	113273
550-79458-9	D2-1	Total/NA	Drinking Water	200.8	113273

TestAmerica Phoenix

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Metals (Continued)

Analysis Batch: 113735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-79458-10	D2-2	Total/NA	Drinking Water	200.8	113273
550-79458-11	D2-3	Total/NA	Drinking Water	200.8	113273
550-79458-12	D2-4	Total/NA	Drinking Water	200.8	113273
550-79458-13	1	Total/NA	Drinking Water	200.8	113273
550-79458-14	ID-1	Total/NA	Drinking Water	200.8	113273
550-79458-15	ID-Flush	Total/NA	Drinking Water	200.8	113273
550-79458-16	2	Total/NA	Drinking Water	200.8	113273
550-79458-17	3	Total/NA	Drinking Water	200.8	113273
550-79458-18	4	Total/NA	Drinking Water	200.8	113273
MB 550-113273/1-A	Method Blank	Total/NA	Water	200.8	113273
LCS 550-113273/4-A	Lab Control Sample	Total/NA	Water	200.8	113273
LCSD 550-113273/5-A	Lab Control Sample Dup	Total/NA	Water	200.8	113273
550-79458-1 MS	1	Total/NA	Drinking Water	200.8	113273
550-79458-1 MSD	1	Total/NA	Drinking Water	200.8	113273

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: 1

Date Collected: 03/16/17 08:57

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:25	TEK	TAL PHX

Client Sample ID: 3

Date Collected: 03/16/17 08:57

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:30	TEK	TAL PHX

Client Sample ID: 4

Date Collected: 03/16/17 08:57

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:32	TEK	TAL PHX

Client Sample ID: 2

Date Collected: 03/16/17 08:57

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:34	TEK	TAL PHX

Client Sample ID: ID-1

Date Collected: 03/15/17 14:26

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113253	03/25/17 15:09	EXZ	TAL PHX
Total/NA	Analysis	200.8		1	113734	03/30/17 18:45	TEK	TAL PHX

Client Sample ID: ID-Flush

Date Collected: 03/15/17 14:29

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:36	TEK	TAL PHX

TestAmerica Phoenix

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: ID-1

Lab Sample ID: 550-79458-7

Date Collected: 03/15/17 14:33

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:38	TEK	TAL PHX

Client Sample ID: ID-Flush

Lab Sample ID: 550-79458-8

Date Collected: 03/15/17 14:35

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:40	TEK	TAL PHX

Client Sample ID: D2-1

Lab Sample ID: 550-79458-9

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:42	TEK	TAL PHX

Client Sample ID: D2-2

Lab Sample ID: 550-79458-10

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:44	TEK	TAL PHX

Client Sample ID: D2-3

Lab Sample ID: 550-79458-11

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:45	TEK	TAL PHX

Client Sample ID: D2-4

Lab Sample ID: 550-79458-12

Date Collected: 03/16/17 09:05

Matrix: Drinking Water

Date Received: 03/17/17 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:51	TEK	TAL PHX

TestAmerica Phoenix

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Client Sample ID: 1

Date Collected: 03/16/17 09:08

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-13

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:53	TEK	TAL PHX

Client Sample ID: ID-1

Date Collected: 03/15/17 14:36

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-14

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:55	TEK	TAL PHX

Client Sample ID: ID-Flush

Date Collected: 03/15/17 14:38

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-15

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:57	TEK	TAL PHX

Client Sample ID: 2

Date Collected: 03/16/17 09:08

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-16

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 19:59	TEK	TAL PHX

Client Sample ID: 3

Date Collected: 03/16/17 09:08

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-17

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 20:01	TEK	TAL PHX

Client Sample ID: 4

Date Collected: 03/16/17 09:08

Date Received: 03/17/17 16:30

Lab Sample ID: 550-79458-18

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			113273	03/27/17 06:04	SGO	TAL PHX
Total/NA	Analysis	200.8		1	113735	03/30/17 20:03	TEK	TAL PHX

TestAmerica Phoenix

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East School Confirmation Sampling

Laboratory References:

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

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Certification Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East 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 / Alhambra Elem School District

TestAmerica Job ID: 550-79458-1
SDG: Grand East 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

Lead In Schools Confirmation Sampling Log – Confirmation Sampling

School District: Alhambra Elementary School District 68th

School Name: Grand East School

Building Name/Number/Year Built: MPR.

Sample Collector Name and Phone Number: Sam Green 602-332-2982

79458

	Fountain/faucet name location	Sample ID number	Sample ID	Collection Time	Collection Date
1	MPR- SINK Boys R.R.	MPR1HID2BR	1	8:57AM	3-16-17
2	MPR- SINK Boys R.R.	MPR1HID2BR	3	8:57AM	3-16-17
3	MPR SINK 1 Boys R.R.	MPR1HID2BR	4	8:57AM	3-16-17
4	MPR SINK 1 Boys R.R.	MPR1HID2BR	2	8:57AM	3-16-17
5	MPR SINK 1 Girls R.R.	MPR1HID2BR	10-1	2:26PM	3-15-17
6	MPR SINK 1 Boys R.R.	MPR1HID2BR	ID-Flush	2:29PM	3-15-17
7	MPR SINK 1 Girls R.R.	MPR2HID1GR	ID-1	2:33PM	3-15-17
8	MPR SINK 1 Girls R.R.	MPR2HID1GR	ID-Flush	2:35PM	3-15-17
9	MPR SINK 1 Girls R.R.	MPR2HID2GR	D2-1	9:05A	3-16-17
10	MPR SINK 1 Girls R.R.	MPR2HID2GR	D2-2	9:05A	3-16-17
11	MPR SINK 1 Girls R.R.	MPR2HID2GR	D2-3	9:05A	3-16-17
12	MPR SINK 1 Girls R.R.	MPR2HID2GR	D2-4	9:05A	3-16-17
13	MPR Outside Drink Foun.	MPR3HID2OSDF	1	9:08A	3-16-17
14	MPR Outside Drink Foun.	MPR3HID1ODF	ID-1	2:36P	3-15-17
15	MPR Outside Drink Foun.	MPR3HID1ODF	ID-Flush	2:38P	3-15-17
16	MPR Outside Drink Foun.	MPR3HID2OSDF	2	9:08A	3-16-17
17	MPR Outside Drink Foun.	MPR3HID2OSDF	3	9:08A	3-16-17
18	MPR Outside Drink Foun.	MPR3HID2OSDF	4	9:08A	3-16-17
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550-79458 Chain of Custody



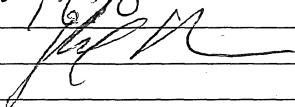
These samples were collected for screening purposes only and are not to be used for compliance determinations

For relinquishing samples upon delivery to labs only

DATE RELINQUISHED:	3-16-17
RELINQUISHING AGENT SIGNATURE:	SAIR BRACKEN
SIGNATORY NAME PRINTED:	SAIR BRACKEN

For Lab Use Only

ANALYZE THIS DRINKING WATER SAMPLE FOR LEAD

DATE LAB RECEIVED:	3-17-17
TIME LAB RECEIVED:	1630
LAB SIGNATURE:	
LAB SIGNATORY NAME PRINTED:	
NOTES:	25.3 °C db

Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-79458-1

SDG Number: Grand East School Confirmation Sampling

Login Number: 79458

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.