

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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TestAmerica Job ID: 550-78014-1

TestAmerica Sample Delivery Group: G.W. Carver  
Client Project/Site: Pb in DW / Yuma School Dist 1

For:

Arizona Dept of Environmental Quality  
1110 W. Washington St., MC5415B-1  
Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:  
3/2/2017 3:14:59 PM

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

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

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## Definitions/Glossary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CNF            | Contains no Free Liquid   |
| DER            | Duplicate error ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision level concentration  |
| MDA            | Minimum detectable activity   |
| EDL            | Estimated Detection Limit   |
| MDC            | Minimum detectable concentration  |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| NC             | Not Calculated  |
| ND             | Not detected at the reporting limit (or MDL or EDL if shown)  |
| PQL            | Practical Quantitation Limit  |
| QC             | Quality Control   |
| RER            | Relative error ratio  |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |

# Case Narrative

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

**Job ID: 550-78014-1**

**Laboratory: TestAmerica Phoenix**

## Narrative

**Job Narrative**  
**550-78014-1**

## Comments

No additional comments.

## Receipt

The samples were received on 2/22/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.5° C.

## Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 1006-1 Kitchen faucet (550-78014-1), 1006-2 wash station girls restroom (550-78014-2), 1006-3 Drinking fountain cafeteria (550-78014-3), 1004 (550-78014-4), 1011 (550-78014-5), 1012 (550-78014-6), 1002-1 Drinking fountain Room P. (550-78014-7), 1002-2 Room R (550-78014-8), 1003-1 Room N (550-78014-9) and 1003-2 Teachers lounge (550-78014-10). 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.

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# Sample Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

| Lab Sample ID | Client Sample ID                   | Matrix         | Collected      | Received       |
|---------------|------------------------------------|----------------|----------------|----------------|
| 550-78014-1   | 1006-1 Kitchen faucet              | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-2   | 1006-2 wash station girls restroom | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-3   | 1006-3 Drinking fountain cafeteria | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-4   | 1004                               | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-5   | 1011                               | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-6   | 1012                               | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-7   | 1002-1 Drinking fountain Room P.   | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-8   | 1002-2 Room R                      | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-9   | 1003-1 Room N                      | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |
| 550-78014-10  | 1003-2 Teachers lounge             | Drinking Water | 02/21/17 05:00 | 02/22/17 09:30 |

# Detection Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

## Client Sample ID: 1006-1 Kitchen faucet

Lab Sample ID: 550-78014-1

| 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: 1006-2 wash station girls restroom

Lab Sample ID: 550-78014-2

No Detections.

## Client Sample ID: 1006-3 Drinking fountain cafeteria

Lab Sample ID: 550-78014-3

No Detections.

## Client Sample ID: 1004

Lab Sample ID: 550-78014-4

No Detections.

## Client Sample ID: 1011

Lab Sample ID: 550-78014-5

No Detections.

## Client Sample ID: 1012

Lab Sample ID: 550-78014-6

No Detections.

## Client Sample ID: 1002-1 Drinking fountain Room P.

Lab Sample ID: 550-78014-7

No Detections.

## Client Sample ID: 1002-2 Room R

Lab Sample ID: 550-78014-8

| Analyte | Result | Qualifier | RL   | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|------|------|---------|---|--------|-----------|
| Lead    | 1.4    |           | 0.50 | ppb  | 1       |   | 200.8  | Total/NA  |

## Client Sample ID: 1003-1 Room N

Lab Sample ID: 550-78014-9

No Detections.

## Client Sample ID: 1003-2 Teachers lounge

Lab Sample ID: 550-78014-10

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

# Client Sample Results

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

## Client Sample ID: 1006-1 Kitchen faucet

Date Collected: 02/21/17 05:00  
Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-1

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | 1.8    |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 09:53 | 1       |

## Client Sample ID: 1006-2 wash station girls restroom

Date Collected: 02/21/17 05:00  
Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-2

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 09:55 | 1       |

## Client Sample ID: 1006-3 Drinking fountain cafeteria

Date Collected: 02/21/17 05:00  
Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-3

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 09:56 | 1       |

## Client Sample ID: 1004

Date Collected: 02/21/17 05:00  
Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-4

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 09:58 | 1       |

## Client Sample ID: 1011

Date Collected: 02/21/17 05:00  
Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-5

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 10:00 | 1       |

## Client Sample ID: 1012

Date Collected: 02/21/17 05:00  
Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-6

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 10:02 | 1       |

## Client Sample ID: 1002-1 Drinking fountain Room P.

Date Collected: 02/21/17 05:00  
Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-7

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 10:04 | 1       |

# Client Sample Results

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

## Client Sample ID: 1002-2 Room R

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-8

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | 1.4    |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 10:06 | 1       |

## Client Sample ID: 1003-1 Room N

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-9

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 10:08 | 1       |

## Client Sample ID: 1003-2 Teachers lounge

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

## Lab Sample ID: 550-78014-10

Matrix: Drinking Water

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

| Analyte | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|---|----------------|----------------|---------|
| Lead    | ND     |           | 0.50 | ppb  |   | 02/25/17 08:31 | 03/01/17 10:14 | 1       |

# QC Sample Results

Client: Arizona Dept of Environmental Quality  
 Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
 SDG: G.W. Carver

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

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

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

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

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

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

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

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

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

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

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

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 111067

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

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

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 111067

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

# QC Association Summary

Client: Arizona Dept of Environmental Quality  
 Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
 SDG: G.W. Carver

## Metals

### Prep Batch: 111067

| Lab Sample ID        | Client Sample ID                   | Prep Type | Matrix         | Method | Prep Batch |
|----------------------|------------------------------------|-----------|----------------|--------|------------|
| 550-78014-1          | 1006-1 Kitchen faucet              | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-2          | 1006-2 wash station girls restroom | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-3          | 1006-3 Drinking fountain cafeteria | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-4          | 1004                               | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-5          | 1011                               | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-6          | 1012                               | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-7          | 1002-1 Drinking fountain Room P.   | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-8          | 1002-2 Room R                      | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-9          | 1003-1 Room N                      | Total/NA  | Drinking Water | 200.8  |            |
| 550-78014-10         | 1003-2 Teachers lounge             | Total/NA  | Drinking Water | 200.8  |            |
| MB 550-111067/1-A    | Method Blank                       | Total/NA  | Water          | 200.8  |            |
| LCS 550-111067/4-A   | Lab Control Sample                 | Total/NA  | Water          | 200.8  |            |
| LCSD 550-111067/5-A  | Lab Control Sample Dup             | Total/NA  | Water          | 200.8  |            |
| 550-77999-A-11-B MS  | Matrix Spike                       | Total/NA  | Water          | 200.8  |            |
| 550-77999-A-11-C MSD | Matrix Spike Duplicate             | Total/NA  | Water          | 200.8  |            |

### Analysis Batch: 111302

| Lab Sample ID        | Client Sample ID                   | Prep Type | Matrix         | Method | Prep Batch |
|----------------------|------------------------------------|-----------|----------------|--------|------------|
| 550-78014-1          | 1006-1 Kitchen faucet              | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-2          | 1006-2 wash station girls restroom | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-3          | 1006-3 Drinking fountain cafeteria | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-4          | 1004                               | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-5          | 1011                               | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-6          | 1012                               | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-7          | 1002-1 Drinking fountain Room P.   | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-8          | 1002-2 Room R                      | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-9          | 1003-1 Room N                      | Total/NA  | Drinking Water | 200.8  | 111067     |
| 550-78014-10         | 1003-2 Teachers lounge             | Total/NA  | Drinking Water | 200.8  | 111067     |
| MB 550-111067/1-A    | Method Blank                       | Total/NA  | Water          | 200.8  | 111067     |
| LCS 550-111067/4-A   | Lab Control Sample                 | Total/NA  | Water          | 200.8  | 111067     |
| LCSD 550-111067/5-A  | Lab Control Sample Dup             | Total/NA  | Water          | 200.8  | 111067     |
| 550-77999-A-11-B MS  | Matrix Spike                       | Total/NA  | Water          | 200.8  | 111067     |
| 550-77999-A-11-C MSD | Matrix Spike Duplicate             | Total/NA  | Water          | 200.8  | 111067     |

# Lab Chronicle

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

## Client Sample ID: 1006-1 Kitchen faucet

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

Lab Sample ID: 550-78014-1

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 09:53       | TEK     | TAL PHX |

## Client Sample ID: 1006-2 wash station girls restroom

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

Lab Sample ID: 550-78014-2

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 09:55       | TEK     | TAL PHX |

## Client Sample ID: 1006-3 Drinking fountain cafeteria

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

Lab Sample ID: 550-78014-3

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 09:56       | TEK     | TAL PHX |

## Client Sample ID: 1004

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

Lab Sample ID: 550-78014-4

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 09:58       | TEK     | TAL PHX |

## Client Sample ID: 1011

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

Lab Sample ID: 550-78014-5

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 10:00       | TEK     | TAL PHX |

## Client Sample ID: 1012

Date Collected: 02/21/17 05:00

Date Received: 02/22/17 09:30

Lab Sample ID: 550-78014-6

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 10:02       | TEK     | TAL PHX |

TestAmerica Phoenix

# Lab Chronicle

Client: Arizona Dept of Environmental Quality  
 Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
 SDG: G.W. Carver

## Client Sample ID: 1002-1 Drinking fountain Room P.

## Lab Sample ID: 550-78014-7

Date Collected: 02/21/17 05:00

Matrix: Drinking Water

Date Received: 02/22/17 09:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 10:04       | TEK     | TAL PHX |

## Client Sample ID: 1002-2 Room R

## Lab Sample ID: 550-78014-8

Date Collected: 02/21/17 05:00

Matrix: Drinking Water

Date Received: 02/22/17 09:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 10:06       | TEK     | TAL PHX |

## Client Sample ID: 1003-1 Room N

## Lab Sample ID: 550-78014-9

Date Collected: 02/21/17 05:00

Matrix: Drinking Water

Date Received: 02/22/17 09:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 10:08       | TEK     | TAL PHX |

## Client Sample ID: 1003-2 Teachers lounge

## Lab Sample ID: 550-78014-10

Date Collected: 02/21/17 05:00

Matrix: Drinking Water

Date Received: 02/22/17 09:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 200.8        |     |                 | 111067       | 02/25/17 08:31       | SGO     | TAL PHX |
| Total/NA  | Analysis   | 200.8        |     | 1               | 111302       | 03/01/17 10:14       | 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 / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

## Laboratory: TestAmerica Phoenix

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

| Authority | Program       | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Arizona   | State Program | 9          | AZ0728           | 06-09-17        |

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|---------|
|-----------------|-------------|--------|---------|

- 1
- 2
- 3
- 4
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- 11
- 12
- 13
- 14

# Method Summary

Client: Arizona Dept of Environmental Quality  
Project/Site: Pb in DW / Yuma School Dist 1

TestAmerica Job ID: 550-78014-1  
SDG: G.W. Carver

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

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**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

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78014

### Collection Log

for experienced sample collectors

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

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

|   |                                |                |
|---|--------------------------------|----------------|
| Name of School District   | Yuma School Dist 1             |                |
| School Name   | G.W. CARVER                    |                |
| Building (name/number)  | 1006 Classrooms                |                |
| Type of Fixture (tap, drinking fountain etc.)   | Saucet                         |                |
| Location of Fixture (example, room number)  | Kitchen                        |                |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1006-1                         | Kitchen Saucet |
| Date of Collection  | 2-21-17                        |                |
| Time of Collection  | <del>2:21 PM</del> 5:00 AM     |                |
| Printed Name of Sample Collector  | <del>5:00 AM</del> Frank Evans |                |
| Signature Sample Collector  | [Signature]                    |                |

550-78014 Chain of Custody



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 FedEx → [Signature] 2/22/17 9:30

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

19.5°C  
 No ice  
 No C.S.

①

### 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   | YUMA School Dist 1                    |
| School Name   | G.W. CARVER                           |
| Building (name/number)  | 1006 classrooms                       |
| Type of Fixture (tap, drinking fountain etc.)   | wash station                          |
| Location of Fixture (example, room number)  | girls restroom                        |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1006-2 wash station<br>girls restroom |
| Date of Collection  | 2-21-17                               |
| Time of Collection  | 5:00 AM                               |
| Printed Name of Sample Collector  | FRANK EPPSON                          |
| Signature Sample Collector  | <i>Frank Eppson</i>                   |

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

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

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

②

### Collection Log

*for experienced sample collectors*

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

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

|   |                                       |
|---|---------------------------------------|
| Name of School District   | YUMA School Dist 1                    |
| School Name   | G.W. CARVER                           |
| Building (name/number)  | CLASSROOMS                            |
| Type of Fixture (tap, drinking fountain etc.)   | drinking fountain                     |
| Location of Fixture (example, room number)  | west outside wall                     |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1006-3 Drinking fountain<br>cafeteria |
| Date of Collection  | 2-21-17                               |
| Time of Collection  | 5:00 AM                               |
| Printed Name of Sample Collector  | Frank Evenson                         |
| Signature Sample Collector  | <i>Frank Evenson</i>                  |

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

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

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

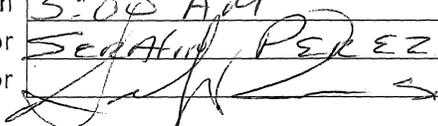
3

### 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   | VUMA School Dist. 1   |
| School Name   | G.W. CARVER   |
| Building (name/number)  | West  |
| Type of Fixture (tap, drinking fountain etc.)   | Faucet Sink   |
| Location of Fixture (example, room number)  | Room L  |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1004  |
| Date of Collection  | 2-21-17   |
| Time of Collection  | 5:00 AM   |
| Printed Name of Sample Collector  | Sergio PEREZ Sr   |
| 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.*

④

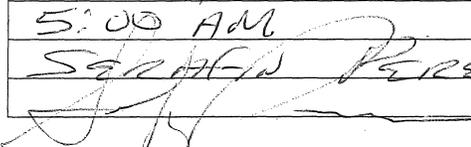


### Collection Log

*for experienced sample collectors*

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

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

|   |   |
|---|---|
| Name of School District   | YUMA School Dist 1  |
| School Name   | G.W. CARVER   |
| Building (name/number)  | LIBRARY   |
| Type of Fixture (tap, drinking fountain etc.)   | FAUCET SINK   |
| Location of Fixture (example, room number)  | S   |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1011  |
| Date of Collection  | 2-21-17   |
| Time of Collection  | 5:00 AM   |
| Printed Name of Sample Collector  | SERRAN PEREZ S.   |
| 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.*



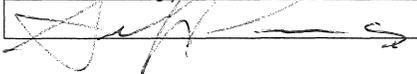


### Collection Log

*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  | YUMA School DIST 1  |
| School Name  | G.W. CARVER   |
| Building (name/number)   | OFFICE  |
| Type of Fixture (tap, drinking fountain etc.)  | DRINKING FOUNTAIN   |
| Location of Fixture (example, room number)   |   |
| Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> ) | 1012  |
| Date of Collection   | 2-21-17   |
| Time of Collection   | 5:00 AM   |
| Printed Name of Sample Collector   | SERRAN PEREZ SA   |
| 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   | VUMA School Dist 1               |
| School Name   | G.W. CARVER                      |
| Building (name/number)  | Restroom, classroom              |
| Type of Fixture (tap, drinking fountain etc.)   | drinking fountain                |
| Location of Fixture (example, room number)  | Room P                           |
| Sample Identification Number ( <u>Write the number here and on sample container</u> ) | 1002-1 Drinking fountain room P. |
| Date of Collection  | 2-21-17                          |
| Time of Collection  | 5:00 AM                          |
| Printed Name of Sample Collector  | Frank E. Benson                  |
| Signature Sample Collector  | <i>Frank E</i>                   |

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

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

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7



### 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   | YUMA School Dist 1   |
| School Name   | S.W. CARVER          |
| Building (name/number)  | RESTROOM, CLASSROOMS |
| Type of Fixture (tap, drinking fountain etc.)   | Fountain             |
| Location of Fixture (example, room number)  | Room R               |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1002-2 Room R        |
| Date of Collection  | 2-21-17              |
| Time of Collection  | 5:00 AM              |
| Printed Name of Sample Collector  | Emma E. Johnson      |
| Signature Sample Collector  | [Signature]          |

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*

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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   | VUMA School Dist 1     |
| School Name   | S.W. CARVER            |
| Building (name/number)  | Kindergarten, Restroom |
| Type of Fixture (tap, drinking fountain etc.)   | Fountain               |
| Location of Fixture (example, room number)  | Room N                 |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1003-1 Room W          |
| Date of Collection  | 2-21-17                |
| Time of Collection  | 5:00 AM                |
| Printed Name of Sample Collector  | Frank Evenson          |
| Signature Sample Collector  | <i>Frank E.</i>        |

Notes Sample collector:

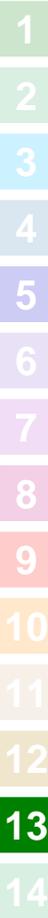
|   |  |
|---|--|
| For Lab use only                            |  |
| Analyze this drinking water sample for lead |  |
| Date and Time Lab received                  |  |
| Signature                                   |  |
| Notes:                                      |  |

For relinquishing samples upon delivery to labs only

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

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

9



**Collection Log**

*for experienced sample collectors*

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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   | Young School Dist 1      |
| School Name   | G.W. CARVER              |
| Building (name/number)  | Kindergarten / rest room |
| Type of Fixture (tap, drinking fountain etc.)   | Source                   |
| Location of Fixture (example, room number)  | Teachers lounge          |
| Sample Identification Number ( <b>Write the number here and on sample container</b> ) | 1003-2 Teachers lounge   |
| Date of Collection  | 2-21-17                  |
| Time of Collection  | 5:00 AM                  |
| Printed Name of Sample Collector  | Frank Evanson            |
| Signature Sample Collector  | <i>Frank Evanson</i>     |

Notes Sample collector:

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

For relinquishing samples upon delivery to labs only

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

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



## Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-78014-1  
SDG Number: G.W. Carver

**Login Number: 78014**  
**List Number: 1**  
**Creator: Vilaboy, Monica**

**List Source: TestAmerica Phoenix**

| Question  | Answer | Comment                                     |
|---|--------|---|
| Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (1/4"). | True   |   |
| Multiphasic samples are not present.  | True   |   |
| Samples do not require splitting or compositing.  | True   |   |
| Residual Chlorine Checked.  | N/A    | Check done at department level as required. |

