

Technical Report for

Arizona Dept. of Environmental Quality
School District, Lead in Drinking Water Testing
Westpark

SGS Accutest Job Number: LA31004

Sampling Date: 03/01/17

Report to:

Arizona Dept. of Environmental Quality
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ATTN: David Burchard

Total number of pages in report: 16



Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.

Ron Benjamin
Ron Benjamin
Lab Director

Client Service contact: Anita Patel 337-237-4775

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31),
NC(487), SC(73004001), NJ(LA007), TX(T104704186-15-7), WV(257)

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Test results relate only to samples analyzed.

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Sample Summary

Arizona Dept. of Environmental Quality

Job No: LA31004

School District, Lead in Drinking Water Testing
Project No: Westpark

| Sample Number | Collected | | Matrix | | Client | |
|------------------|-----------|----------|----------|-------------------|---|--|
| | Date | Time By | Received | Code Type | Sample ID | |
| LA31004-1 | 03/01/17 | 05:30 LD | 03/03/17 | DW Drinking Water | MAIN BLD / 1001 DRINKIN FOUNTAIN GYM | |

Summary of Hits

Job Number: LA31004
Account: Arizona Dept. of Environmental Quality
Project: School District, Lead in Drinking Water Testing
Collected: 03/01/17

| Lab Sample ID | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
| Analyte | | | | | | |

LA31004-1 MAIN BLD / 1001 DRINKIN FOUNTAIN GYM

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

| | | | | | | | |
|-------------------|---|--|--|--|--|-----------------|----------|
| Client Sample ID: | MAIN BLD / 1001 DRINKIN FOUNTAIN GYM | | | | | Date Sampled: | 03/01/17 |
| Lab Sample ID: | LA31004-1 | | | | | Date Received: | 03/03/17 |
| Matrix: | DW - Drinking Water | | | | | Percent Solids: | n/a |
| Project: | School District, Lead in Drinking Water Testing | | | | | | |

Total Metals Analysis

| Analyte | Result | MCL | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|---------|--------|-----|-----|-------|----|----------|-------------|------------------------|------------------------|
| Lead | ND | 15 | 1.0 | ug/l | 1 | 03/06/17 | 03/06/17 RT | EPA 200.8 ¹ | EPA 200.8 ² |

(1) Instrument QC Batch: MA6734
(2) Prep QC Batch: MP6944

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

ND = Not detected



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Sample Collection Record

To be completed by the sample collector

LA 31004

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 | Buckeye Elementary District |
| Name of School | Westpark |
| Building (name/number) | Main Building 1 1001 |
| Type of Fixture (tap, drinking fountain etc.) | drinking fountain |
| Location of Fixture (example, room number) | gym |
| Sample Identification Number (ensure this number is also on the sample container) | 1 |
| Date of Collection | 3.1.17 |
| Time of Collection | 5:30am |
| Name of Sample Collector | Kester Sunning |
| Signature Sample Collector | <i>[Signature]</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

[Signature] 3/2/17 1405

These samples are collected and are to be analyzed for screening purposes only and cannot be used for compliance.

[Signature] 3/2/17 1700 Red-84
 Red' FaltEp 3-3-17 9:30
 LA Driver 302
 3/2/17 10:30 Mark Red csloc Top: 18.4 W418

UNIVERSITY OF ALABAMA
BETH PROFFIT
ACCUTEST LABORATORY
1000 UNIVERSITY DR
LAFAYETTE, LA 70503
PHONE 225-883-8281
FAX 225-883-8282
UNITED STATES US

(404) 737-0931
ACCUTEST SERVICE CENTER

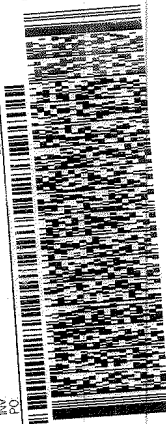
STREET DATE: 03/03/11
ACTIVITY: 03/03/11
CAD: 1048552/INLET3850

BILL RECIPIENT

TO HOLD AT FEDEX- SAMPLES
ACCUTEST LABORATORIES-LAFAYETTE, LA
109 COMMISSION BLVD

LAFAYETTE LA 70508
REF: ADEQLEAD
(337) 237-4775

DEPT



FRI - 03 MAR HOLD
PRIORITY OVERNIGHT
HLD
LFTA
LFT
LAJUS

TRK# 7785 6095 0509
0291

XH LFTA



DATE/

LA31004: Chain of Custody
Page 2 of 3

SGS Accutest Sample Receipt Summary

Job Number: LA31004

Client: A- DEQ

Project: WESTPARK

Date / Time Received: 3/3/2017 10:30:00 AM

Delivery Method: FedEx

Airbill #s: 778560950509

Cooler Temps (Initial/Adjusted): #1: (18.4/18.4);

Cooler Security

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | | |
| 3. Cooler media: | No Ice | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N N/A

- | | | | |
|---------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

sample was preserved upon receipt

LA31004: Chain of Custody

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Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA31004
Account: ADEQAZP - Arizona Dept. of Environmental Quality
Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP6944
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: mg/l

Prep Date: 03/06/17

| Metal | RL | IDL | MDL | MB raw | final |
|------------|--------|---------|---------|-----------|---------|
| Aluminum | 0.050 | .024 | .013 | | |
| Antimony | 0.0050 | .00082 | .00081 | | |
| Arsenic | 0.0040 | .000039 | .00028 | | |
| Barium | 0.0050 | .000076 | .00032 | | |
| Beryllium | 0.0020 | .000015 | .000067 | | |
| Boron | 0.020 | .0012 | .0025 | | |
| Cadmium | 0.0020 | .000022 | .00033 | | |
| Calcium | 0.20 | .013 | .028 | | |
| Chromium | 0.0040 | .00012 | .0002 | | |
| Cobalt | 0.0020 | .000014 | .00011 | | |
| Copper | 0.0020 | .000078 | .00025 | | |
| Iron | 0.10 | .0055 | .011 | | |
| Lithium | 0.0020 | .000051 | .0001 | | |
| Lead | 0.0010 | .000022 | .00013 | 0.000031 | <0.0010 |
| Magnesium | 0.050 | .0057 | .0052 | | |
| Manganese | 0.0020 | .000045 | .00022 | | |
| Molybdenum | 0.0020 | .00015 | .00044 | | |
| Nickel | 0.0020 | .000055 | .00016 | | |
| Potassium | 0.075 | .017 | .0091 | | |
| Selenium | 0.0050 | .00053 | .00069 | | |
| Silver | 0.0010 | .00045 | .00046 | | |
| Sodium | 0.10 | .035 | .031 | | |
| Strontium | 0.0010 | .000026 | .00013 | | |
| Thallium | 0.0020 | .000091 | .00039 | | |
| Tin | 0.0040 | .00014 | .00063 | | |
| Titanium | 0.0020 | .00033 | .0008 | | |
| Uranium | 0.0010 | | .000081 | | |
| Vanadium | 0.010 | .000046 | .00028 | | |
| Zinc | 0.0060 | .0067 | .0051 | | |

Associated samples MP6944: LA31004-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA31004
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP6944
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: mg/l

Prep Date: 03/06/17

| Metal | LA31002-1 Original MS | | Spikelot MPICPMS5 % Rec | | QC Limits |
|------------|--------------------------|-------|----------------------------|------|--------------|
| Aluminum | | | | | |
| Antimony | | | | | |
| Arsenic | | | | | |
| Barium | | | | | |
| Beryllium | | | | | |
| Boron | | | | | |
| Cadmium | | | | | |
| Calcium | | | | | |
| Chromium | | | | | |
| Cobalt | | | | | |
| Copper | | | | | |
| Iron | | | | | |
| Lithium | | | | | |
| Lead | 0.00017 | 0.094 | 0.10 | 93.8 | 70-130 |
| Magnesium | | | | | |
| Manganese | | | | | |
| Molybdenum | | | | | |
| Nickel | | | | | |
| Potassium | | | | | |
| Selenium | | | | | |
| Silver | | | | | |
| Sodium | | | | | |
| Strontium | | | | | |
| Thallium | | | | | |
| Tin | | | | | |
| Titanium | | | | | |
| Uranium | | | | | |
| Vanadium | | | | | |
| Zinc | | | | | |

Associated samples MP6944: LA31004-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA31004
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP6944
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: mg/l

Prep Date: 03/06/17

| Metal | LA31002-1 Original MSD | Spikelot MPICPMS5 % Rec | MSD RPD | QC Limit |
|------------|---------------------------|----------------------------|------------|-------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | | | | |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lithium | | | | |
| Lead | 0.00017 | 0.095 | 0.10 | 94.8 |
| | | | 1.1 | 20 |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silver | | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP6944: LA31004-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA31004

Account: ADEQAZP - Arizona Dept. of Environmental Quality

Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP6944

Methods: EPA 200.8

Matrix Type: DRINKING WATER

Units: mg/l

Prep Date:

03/06/17

| Metal | BSP Result | Spikelot MPICPMS5 | % Rec | QC Limits |
|------------|---------------|----------------------|-------|--------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | | | | |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lithium | | | | |
| Lead | 0.10 | 0.10 | 100.0 | 85-115 |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silver | | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP6944: LA31004-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA31004
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP6944
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: ug/l

Prep Date: 03/06/17

| Metal | LA31002-1 Original | SDL 1:5 | %DIF | QC Limits |
|------------|-----------------------|---------|----------|--------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | | | | |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lithium | | | | |
| Lead | 0.168 | 0.230 | 36.5 (a) | 0-10 |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silver | | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP6944: LA31004-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).