

Technical Report for

Arizona Dept. of Environmental Quality
School District, Lead in Drinking Water Testing
Bush Elementary School/Mesa Unified District
SGS Accutest Job Number: LA32785

Sampling Date: 04/20/17

Report to:

Arizona Dept. of Environmental Quality
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ATTN: David Burchard

Total number of pages in report: 19



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: LA32785

School District, Lead in Drinking Water Testing
Project No: Bush Elementary School/Mesa Unified District

Sample Number	Collected		Matrix Code Type	Client Sample ID
	Date	Time By	Received	
LA32785-1	04/20/17	06:20 JG	04/25/17 DW	1001
LA32785-2	04/20/17	06:15 JG	04/25/17 DW	1002

Summary of Hits

Job Number: LA32785
Account: Arizona Dept. of Environmental Quality
Project: School District, Lead in Drinking Water Testing
Collected: 04/20/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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LA32785-1 1001

No hits reported in this sample.

LA32785-2 1002

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	1001	Date Sampled:	04/20/17
Lab Sample ID:	LA32785-1	Date Received:	04/25/17
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	05/04/17	05/06/17 RT	EPA 200.8 ¹	EPA 200.8 ²

(1) Instrument QC Batch: MA7585
(2) Prep QC Batch: MP7774

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

ND = Not detected

Report of Analysis

Client Sample ID:	1002	Date Sampled:	04/20/17
Lab Sample ID:	LA32785-2	Date Received:	04/25/17
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	05/04/17	05/06/17 RT	EPA 200.8 ¹	EPA 200.8 ²

(1) Instrument QC Batch: MA7585
(2) Prep QC Batch: MP7774

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

LA 32785

District	School	Building No	Building Desc	Building Use	Year Built	Number of Bottles Per Building
Mesa Unified District	Bush Elementary School	1001	A1000	ADMIN/MEDIA/MP R/CLASS	1996	1
Mesa Unified District	Bush Elementary School	1002	A2000 - moved from Webster R-440	Classroom - moved from Webster	1991	1
Address:	4925 E Ingram, Mesa, AZ 85205				Number of Bottles Per Kit:	2

1- 250 ml n/p 302

2
1
1

22.4 DV240

LA32785: Chain of Custody

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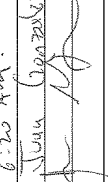
LA 32785

ADEQ Public School Drinking Water Lead Screening Program
Sampling Plan & Collection Log

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	Mesa Unified District
School Name	Bush Elementary School
Building (name/number)	WPK
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Next to boys restrooms
Sample Identification Number (Write this number on the sample container and on this sheet)	1001
Date of Collection	4-20-17
Time of Collection	6:20 AM
Printed Name of Sample Collector	Juan Gonzalez
Signature Sample Collector	
Notes Sample collector:	

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

For relinquishing samples upon delivery to labs only

Relinquished date and signature

 4/24/17 0810 Fed-Ex 4/24/17 1700
These samples were collected for lead screening purposes only and cannot be used for compliance.

Rec: Jeduc

Rec: LA Driver Initials JLC

Rec: Raygon Kidd

Rel: Jeduc 4-25-17 9:30

Rel: LA Driver Initials JLC 4-25-17 10:00

Rel: Jeduc 4-25-17 10:00

<http://www.azed.gov/LeadScreeningProg>

LA32785


ADEQ Public School Drinking Water Lead Screening Program
Sampling Plan & Collection Log

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	Mesa Unified District
School Name	Bush Elementary School
Building (name/number)	Portables Room 41
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain w/ sink
Location of Fixture (example, room number)	Room 41
Sample Identification Number (Write this number on the sample container and on this sheet)	1002
Date of Collection	4.20.17
Time of Collection	6:17 AM
Printed Name of Sample Collector	Tuan Gonzalez
Signature Sample Collector	

Notes Sample collector:

Analyze this drinking water sample for lead	For Lab use only
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.

UNIVERSITY OF ARIZONA
BETH PROFFIT
ACCUTEST SERVICE CENTER
UNIVERSITY OF ARIZONA
SUITE 148
TEMPE, AZ 85281
UNITED STATES US

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

LAFAYETTE LA 70508
REF: ACEQ PROJECT
(337) 237-4775
NV DEPT
PO



1 of 3
TRK# 7789 7949 9310
[021]
MASTER ##
XH LFTA
LAUS
LFT
TUE - 25 APR HOLD
PRIORITY OVERNIGHT
HLD
70508



FRAGILE
HANDLE

LA32785: Chain of Custody
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SGS Accutest Sample Receipt Summary

Job Number: LA32785

Client: ADEQ

Project: BUSH ELEMENTARY

Date / Time Received: 4/25/2017 10:00:00 AM

Delivery Method: FedEx

Airbill #s: 778979499310

Cooler Temps (Initial/Adjusted): #1: (22.4/22.4):

Cooler Security

	Y	or	N		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 type="checkbox"/>		<input type="checkbox"/>
2. Thermometer ID:	DV260;		
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 checked="" type="checkbox"/>		<input 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

LA32785: 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: LA32785
Account: ADEQAZP - Arizona Dept. of Environmental Quality
Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7774
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: ug/l

Prep Date: 05/04/17

Metal	RL	IDL	MDL	MB raw	final
Aluminum	40	48	26		
Antimony	10	1.6	1.6		
Barium	10	.15	.64		
Beryllium	1.0	.03	.13		
Boron	40	2.3	5		
Calcium	400	27	57		
Lithium	4.0	.1	.21		
Lead	1.0	.045	.26	-0.31	<1.0
Molybdenum	4.0	.3	.87		
Potassium	200	34	18		
Uranium	2.0		.16		

Associated samples MP7774: LA32785-1, LA32785-2

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: LA32785
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7774
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/04/17

Metal	LA32783-3 Original MS		Spikelot MPICPMS5 % Rec		QC Limits
Aluminum					
Antimony					
Barium					
Beryllium					
Boron					
Calcium					
Lithium					
Lead	1.1	189	200	94.0	70-130
Molybdenum					
Potassium					
Uranium					

Associated samples MP7774: LA32785-1, LA32785-2

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: LA32785
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7774
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/04/17

Metal	LA32783-3 Original MSD	Spikelot MPICPMS5 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lithium				
Lead	1.1	194	200	96.5
Molybdenum				
Potassium				
Uranium				

Associated samples MP7774: LA32785-1, LA32785-2

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: LA32785
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7774
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/04/17

Metal	BSP Result	Spikelot MPICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lithium				
Lead	189	200	94.5	85-115
Molybdenum				
Potassium				
Uranium				

Associated samples MP7774: LA32785-1, LA32785-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA32785
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7774
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/04/17

Metal	LA32783-3 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lithium				
Lead	0.537	0.00	100.0(a)	0-10
Molybdenum				
Potassium				
Uranium				

Associated samples MP7774: LA32785-1, LA32785-2

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).