

Technical Report for

Arizona Dept. of Environmental Quality

School District, Lead in Drinking Water Testing

Vista Del Sur Middle School/Laveen Elementary District

SGS Accutest Job Number: LA32012

Sampling Date: 03/29/17

Report to:

Arizona Dept. of Environmental Quality
1110 West Washington Street
Phoenix, AZ 85007
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machiche.ana@azdeq.gov; diaz.stephanie@azdeq.gov;
ATTN: David Burchard

Total number of pages in report: 26



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)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Arizona Dept. of Environmental Quality

Job No: LA32012

School District, Lead in Drinking Water Testing

Project No: Vista Del Sur Middle School/Laveen Elementary District

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
LA32012-1	03/29/17	06:30 CT	04/01/17	DW	Drinking Water	1
LA32012-2	03/29/17	06:45 CT	04/01/17	DW	Drinking Water	2
LA32012-3	03/29/17	06:50 CT	04/01/17	DW	Drinking Water	3
LA32012-4	03/29/17	06:55 CT	04/01/17	DW	Drinking Water	4
LA32012-5	03/29/17	07:05 CT	04/01/17	DW	Drinking Water	5

Summary of Hits

Job Number: LA32012
Account: Arizona Dept. of Environmental Quality
Project: School District, Lead in Drinking Water Testing
Collected: 03/29/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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LA32012-1 1

No hits reported in this sample.

LA32012-2 2

No hits reported in this sample.

LA32012-3 3

No hits reported in this sample.

LA32012-4 4

No hits reported in this sample.

LA32012-5 5

No hits reported in this sample.



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	1	Date Sampled:	03/29/17
Lab Sample ID:	LA32012-1	Date Received:	04/01/17
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	04/04/17	04/10/17 RT	EPA 200.8 ¹	EPA 200.8 ²

(1) Instrument QC Batch: MA7232

(2) Prep QC Batch: MP7348

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

ND = Not detected

Report of Analysis

Client Sample ID:	2		
Lab Sample ID:	LA32012-2	Date Sampled:	03/29/17
Matrix:	DW - Drinking Water	Date Received:	04/01/17
		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	04/04/17	04/10/17 RT	EPA 200.8 ¹	EPA 200.8 ²

(1) Instrument QC Batch: MA7232
(2) Prep QC Batch: MP7348

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

ND = Not detected

Report of Analysis

Client Sample ID: 3	
Lab Sample ID: LA32012-3	Date Sampled: 03/29/17
Matrix: DW - Drinking Water	Date Received: 04/01/17
	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	04/04/17	04/10/17 RT	EPA 200.8 ¹	EPA 200.8 ²

(1) Instrument QC Batch: MA7232

(2) Prep QC Batch: MP7348

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

ND = Not detected

Report of Analysis

Client Sample ID:	4		
Lab Sample ID:	LA32012-4	Date Sampled:	03/29/17
Matrix:	DW - Drinking Water	Date Received:	04/01/17
		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	04/04/17	04/10/17 RT	EPA 200.8 ¹	EPA 200.8 ²

(1) Instrument QC Batch: MA7232
(2) Prep QC Batch: MP7348

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

ND = Not detected

Report of Analysis

Client Sample ID:	5	Date Sampled:	03/29/17
Lab Sample ID:	LA32012-5	Date Received:	04/01/17
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	04/04/17	04/10/17 RT	EPA 200.8 ¹	EPA 200.8 ²

(1) Instrument QC Batch: MA7232
(2) Prep QC Batch: MP7348

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

LA32012

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	Laveen Elementary District
School Name	Vista Del Sur Middle School
Building (name/number)	1006 / Gym
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	Gym Lobby
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1
Date of Collection	3-29-17
Time of Collection	6:30 Am
Printed Name of Sample Collector	Cory Tait
Signature Sample Collector	Cory Tait

Notes Sample collector
Daniel Komro was present during time of test

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

3/31/17 *[Signature]* 3/31/17 1415
These samples were collected for lead screening purposes only and cannot be used for compliance.
R. M. 3/31/17 4:00 Feb-14
Feb-14 04-0177 0915 Laveen
Laveen (D) 04-0177 0915 Laveen
CSW comb (24-100418) 3rd

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

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LA32012: Chain of Custody

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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	Laveen Elementary District
School Name	Vista Del Sur Middle School
Building (name/number)	1002, Cafe Library
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	Cafe fountain
Sample Identification Number (Write this number on the sample container and on this sheet)	2
Date of Collection	3-29-2017
Time of Collection	6:45am
Printed Name of Sample Collector	Cory Taft
Signature Sample Collector	Cory Taft

NOTES Sample collector: *Daniel Romero was present during time of test*

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.

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	Laveen Elementary District
School Name	Vista Del Sur Middle School
Building (name/number)	1003
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	Next to 305
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	3
Date of Collection	3-29-17
Time of Collection	6:58am
Printed Name of Sample Collector	Cory Teit
Signature Sample Collector	Cory Teit

Notes Sample collector:
Daniel Romero was present during the time of test

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.

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	Laveen Elementary District
School Name	Vista Del Sur Middle School
Building (name/number)	1005 / 303
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	303
Sample Identification Number (Write this number on the sample container and on this sheet)	4
Date of Collection	3-29-2017
Time of Collection	6:55
Printed Name of Sample Collector	Cory Test
Signature Sample Collector	Cory Test

Notes Sample collector
David Komoo was present during time of test

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.

LA32012

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	Laveen Elementary District
School Name	Vista Del Sur Middle School
Building (name/number)	Admin
Type of Fixture (tap, drinking fountain etc.)	Sink
Location of Fixture (example, room number)	Nurses office
Sample Identification Number (Write this number on the sample container and on this sheet)	5
Date of Collection	3-29-2017
Time of Collection	7:05 am
Printed Name of Sample Collector	Cory Tait
Signature Sample Collector	Cory Tait

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	Daniel Romero was Present during time of the test

For relinquishing samples upon delivery to labs only

Relinquished date and signature

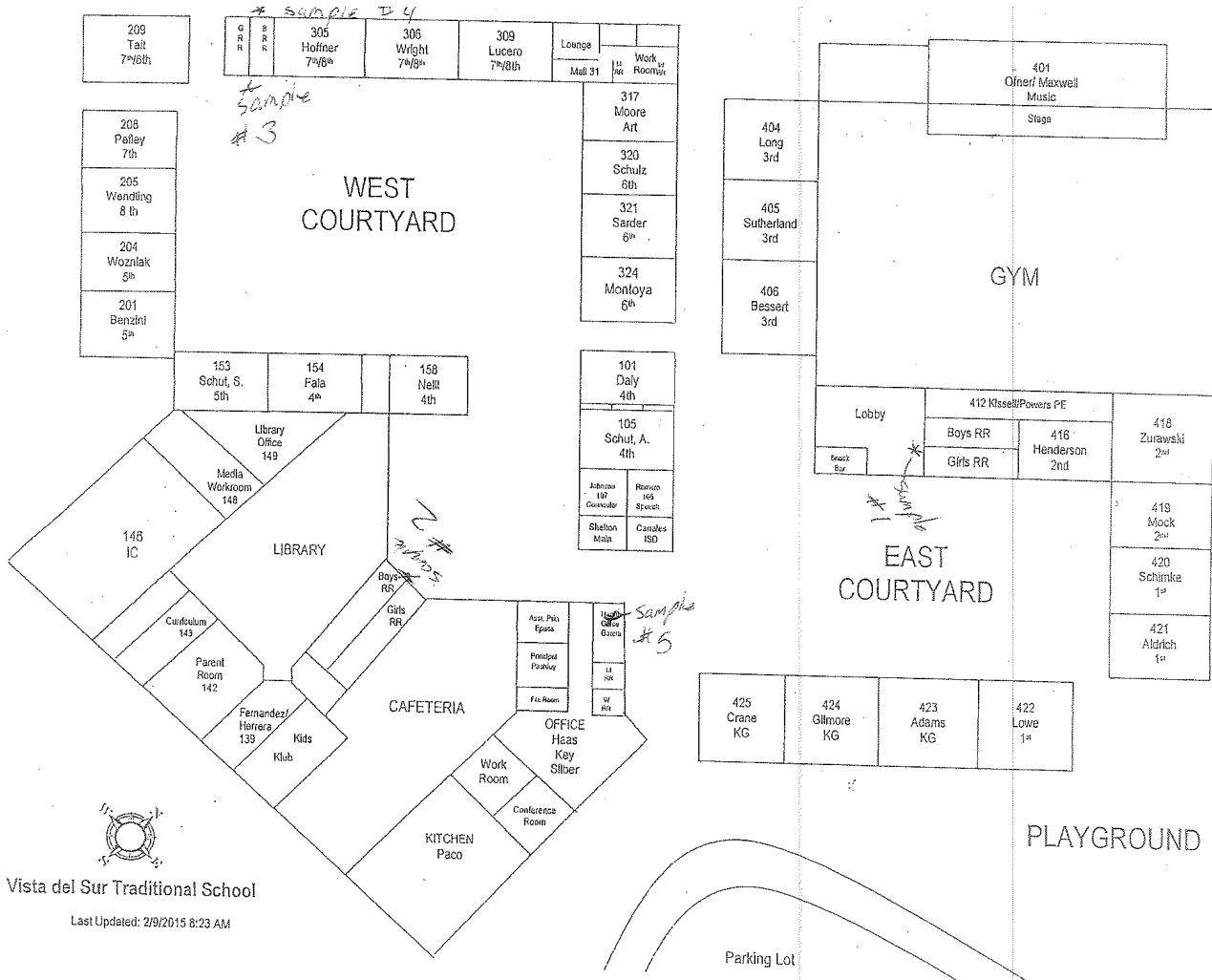
These samples were collected for lead screening purposes only and cannot be used for compliance.

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

District	School	Building No	Building Desc	Building Use	Year Built	Number of Bottles Per Building
Laveen Elementary District	Vista Del Sur Middle School	1001	Rms. 101, 105, 111, 107, 106	Classrooms, Special Ed Classrooms	1998	No water source 1
Laveen Elementary District	Vista Del Sur Middle School	1002	Rms. 153-208, 209, 139, Cafeteria, Library, Comp. Lab	Classrooms, Cafeteria, Library	1998	1
Laveen Elementary District	Vista Del Sur Middle School	1003	Rms. 305, 306, 309, 317, 320, 321, 324	Classrooms	1998	1
Laveen Elementary District	Vista Del Sur Middle School	1004	Admin	Administration	1998	1
Laveen Elementary District	Vista Del Sur Middle School	1005	303	Maintenance	1998	1
Laveen Elementary District	Vista Del Sur Middle School	1006	Gym	Gym	2001	1
Address:	3908 W. South Mountain Ave Laveen, AZ				Bottles Per Kit:	6

LA32012: Chain of Custody

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UNITED STATES
DEPARTMENT OF JUSTICE
ACCUTEST TEMPE SERVICE CENTER
1741 W. UNIVERSITY DR.
SUITE 400
TEMPE, AZ 85281
UNITED STATES US

CALL 1-800-438-0001
BILL RECIPIENT

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

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

DEPT.



SATURDAY HOLD
PRIORITY OVERNIGHT
HLD
LFTA
LFT
LAUS

TRK# 7787 9932 6411
0201

X0 LFTA



info 0500.0000

① 232nd (NP) (3rd)

SGS Accutest Sample Receipt Summary

Job Number: LA32012

Client: ADEQ

Project: VISTA DEL SUR MIDDLE SCHOOL

Date / Time Received: 4/1/2017 9:45:00 AM

Delivery Method: FedEx

Airbill #s: 778799326411

Cooler Temps (Initial/Adjusted): #1: (24.1/24.1):

Cooler Security

	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
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

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input type="checkbox"/>		<input type="checkbox"/>
2. Thermometer ID:	_____ ; _____		
3. Cooler media:	<u>No Ice</u>		
4. No. Coolers:	<u>1</u>		

Quality Control Preservation

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
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

	<u>Y</u>	<u>or</u>	<u>N</u>
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

	<u>Y</u>	<u>or</u>	<u>N</u>
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:	<u>Intact</u>		

Sample Integrity - Instructions

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
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

LA32012: Chain of Custody

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Metals Analysis

5

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: LA32012
Account: ADEQAZP - Arizona Dept. of Environmental Quality
Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7348
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: mg/l

Prep Date: 04/04/17

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.040	.048	.026		
Antimony	0.010	.0016	.0016		
Barium	0.010	.00015	.00064		
Beryllium	0.0010	.00003	.00013		
Boron	0.040	.0023	.005		
Calcium	0.40	.027	.057		
Lithium	0.0040	.0001	.00021		
Lead	0.0010	.000045	.00026	0.000084	<0.0010
Molybdenum	0.0040	.0003	.00087		
Potassium	0.20	.034	.018		
Uranium	0.0020		.00016		

Associated samples MP7348: LA32012-1, LA32012-2, LA32012-3, LA32012-4, LA32012-5

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: LA32012
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7348
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: mg/l

Prep Date: 04/04/17

Metal	LA32010-3 Original MS	Spikelot MPICPMS5 % Rec	QC Limits
Aluminum			
Antimony			
Barium			
Beryllium			
Boron			
Calcium			
Lithium			
Lead	0.00037 0.17	0.20 84.8	70-130
Molybdenum			
Potassium			
Uranium			

Associated samples MP7348: LA32012-1, LA32012-2, LA32012-3, LA32012-4, LA32012-5

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: LA32012
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7348
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: mg/l

Prep Date: 04/04/17

Metal	LA32010-3 Original MSD	Spikelot MPICPMS5 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lithium				
Lead	0.00037 0.18	0.20 89.8	5.7	20
Molybdenum				
Potassium				
Uranium				

Associated samples MP7348: LA32012-1, LA32012-2, LA32012-3, LA32012-4, LA32012-5

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: LA32012
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7348
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: mg/l

Prep Date: 04/04/17

Metal	BSP Result	Spikelot MPICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lithium				
Lead	0.18	0.20	90.0	85-115
Molybdenum				
Potassium				
Uranium				

Associated samples MP7348: LA32012-1, LA32012-2, LA32012-3, LA32012-4, LA32012-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA32012
 Account: ADEQAZP - Arizona Dept. of Environmental Quality
 Project: School District, Lead in Drinking Water Testing

QC Batch ID: MP7348
 Matrix Type: DRINKING WATER

Methods: EPA 200.8
 Units: ug/l

Prep Date: 04/04/17

Metal	LA32010-3		QC	
	Original	SDL 1:5	%DIF	Limits
Aluminum				
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lithium				
Lead	0.183	0.149	18.3 (a)	0-10
Molybdenum				
Potassium				
Uranium				

Associated samples MP7348: LA32012-1, LA32012-2, LA32012-3, LA32012-4, LA32012-5

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).