



4401 S. Tucson Estates Parkway  
Tucson, Arizona 85735  
520.791.2544 Phone  
520.791.5260 Fax

20 April 2017

Water Quality Compliance 5415B-1  
Arizona Department of Environmental Quality  
1110 West Washington Street  
Tucson, AZ 85735  
RE: Public School Lead Screening Program

Enclosed are the results for Work Order L170428, received by the laboratory on 03/28/2017 12:29. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michael E. Dew  
Lab Manager

Tucson Water Quality Lab  
4401 S. Tucson Estates Pkwy.  
Tucson, AZ 85735  
(520) 837-2455

Arizona Department of Environmental Quality  
1110 West Washington Street  
Phoenix AZ, 85007

Project: Public School Lead Screening Program  
Project Number: P01210  
Project Manager: Water Quality Compliance 5415B-1

**Reported:**  
04/20/2017 12:54

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Nurse Ofc	L170428-01	Aqueous	03/21/2017 10:40	03/28/2017 12:29
Nurse Ofc	L170428-02	Aqueous	03/21/2017 10:41	03/28/2017 12:29
Library	L170428-03	Aqueous	03/21/2017 10:44	03/28/2017 12:29
Library	L170428-04	Aqueous	03/21/2017 10:45	03/28/2017 12:29
Activity Center	L170428-05	Aqueous	03/21/2017 10:51	03/28/2017 12:29
Activity Center	L170428-06	Aqueous	03/21/2017 10:51	03/28/2017 12:29
South	L170428-07	Aqueous	03/21/2017 11:01	03/28/2017 12:29
South	L170428-08	Aqueous	03/21/2017 11:02	03/28/2017 12:29
Nurse Ofc	L170428-09	Aqueous	03/21/2017 09:55	03/28/2017 12:29
Nurse Ofc	L170428-10	Aqueous	03/21/2017 09:56	03/28/2017 12:29
Activity Center	L170428-11	Aqueous	03/21/2017 10:06	03/28/2017 12:29
Activity Center	L170428-12	Aqueous	03/21/2017 10:06	03/28/2017 12:29
Library	L170428-13	Aqueous	03/21/2017 10:10	03/28/2017 12:29
Library	L170428-14	Aqueous	03/21/2017 10:11	03/28/2017 12:29
SE Quad	L170428-15	Aqueous	03/21/2017 10:15	03/28/2017 12:29
SE Quad	L170428-16	Aqueous	03/21/2017 10:16	03/28/2017 12:29

Tucson Water Quality Laboratory



Michael E. Dew, Lab Manager

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Project Number: P01210  
Project Manager: Water Quality Compliance 5415B-1

**Reported:**  
04/20/2017 12:54

**Nurse Ofc**  
**L170428-01 (Aqueous)**

**Sampled:**  
03/21/2017 10:40

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.00112</b>	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Nurse Ofc**  
**L170428-02 (Aqueous)**

**Sampled:**  
 03/21/2017 10:41

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Library**  
**L170428-03 (Aqueous)**

**Sampled:**  
 03/21/2017 10:44

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Library**  
**L170428-04 (Aqueous)**

**Sampled:**  
 03/21/2017 10:45

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Activity Center**  
**L170428-05 (Aqueous)**

**Sampled:**  
 03/21/2017 10:51

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Activity Center**  
**L170428-06 (Aqueous)**

**Sampled:**  
 03/21/2017 10:51

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**South**  
**L170428-07 (Aqueous)**

**Sampled:**  
 03/21/2017 11:01

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**South**  
**L170428-08 (Aqueous)**

**Sampled:**  
 03/21/2017 11:02

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Nurse Ofc**  
**L170428-09 (Aqueous)**

**Sampled:**  
 03/21/2017 9:55

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Nurse Ofc**  
**L170428-10 (Aqueous)**

**Sampled:**  
 03/21/2017 9:56

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Activity Center**  
**L170428-11 (Aqueous)**

**Sampled:**  
 03/21/2017 10:06

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Activity Center**  
**L170428-12 (Aqueous)**

**Sampled:**  
 03/21/2017 10:06

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Library**  
**L170428-13 (Aqueous)**

**Sampled:**  
 03/21/2017 10:10

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**Library**  
**L170428-14 (Aqueous)**

**Sampled:**  
 03/21/2017 10:11

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**SE Quad**  
**L170428-15 (Aqueous)**

**Sampled:**  
 03/21/2017 10:15

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

**SE Quad**  
**L170428-16 (Aqueous)**

**Sampled:**  
 03/21/2017 10:16

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

LEAD	ND	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 12:54

### Total Metals by ICPMS - Quality Control

#### Tucson Water Quality Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (BD71407-MS1)		Source: L170433-01		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00974	0.00101	mg/L	0.0101	0.000554	90.9	70-130			
Matrix Spike (BD71407-MS2)		Source: L170433-11		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00919	0.00101	mg/L	0.0101	5.70E-5	90.4	70-130			
Matrix Spike (BD71407-MS3)		Source: L170435-04		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00916	0.00101	mg/L	0.0101	5.10E-5	90.2	70-130			
Matrix Spike (BD71407-MS4)		Source: L170435-14		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0139	0.00101	mg/L	0.0101	0.00471	91.4	70-130			
Matrix Spike (BD71407-MS5)		Source: L170428-07		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0121	0.00101	mg/L	0.0101	3.60E-5	120	70-130			

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### Total Metals by ICPMS - Quality Control

#### Tucson Water Quality Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (BD71407-MS6)		Source: L170431-01		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00976	0.00101	mg/L	0.0101	0.000433	92.3	70-130			
Matrix Spike (BD71407-MS7)		Source: L170431-11		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0120	0.00101	mg/L	0.0101	0.00271	91.6	70-130			
Matrix Spike (BD71407-MS8)		Source: L170444-03		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0108	0.00101	mg/L	0.0101	0.00128	94.7	70-130			
Matrix Spike (BD71407-MS9)		Source: L170444-13		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0106	0.00101	mg/L	0.0101	0.00107	94.7	70-130			
Matrix Spike Dup (BD71407-MSD1)		Source: L170433-01		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00998	0.00101	mg/L	0.0101	0.000554	93.4	70-130	2.49	10	

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### Total Metals by ICPMS - Quality Control

#### Tucson Water Quality Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (BD71407-MSD2)		Source: L170433-11		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00916	0.00101	mg/L	0.0101	5.70E-5	90.2	70-130	0.308	10	
Matrix Spike Dup (BD71407-MSD3)		Source: L170435-04		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00914	0.00101	mg/L	0.0101	5.10E-5	90.0	70-130	0.243	10	
Matrix Spike Dup (BD71407-MSD4)		Source: L170435-14		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0139	0.00101	mg/L	0.0101	0.00471	90.8	70-130	0.429	10	
Matrix Spike Dup (BD71407-MSD5)		Source: L170428-07		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0122	0.00101	mg/L	0.0101	3.60E-5	121	70-130	0.581	10	
Matrix Spike Dup (BD71407-MSD6)		Source: L170431-01		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.00973	0.00101	mg/L	0.0101	0.000433	92.0	70-130	0.290	10	

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### Total Metals by ICPMS - Quality Control

#### Tucson Water Quality Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (BD71407-MSD7)		Source: L170431-11		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0119	0.00101	mg/L	0.0101	0.00271	90.9	70-130	0.576	10	
Matrix Spike Dup (BD71407-MSD8)		Source: L170444-03		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0109	0.00101	mg/L	0.0101	0.00128	95.0	70-130	0.316	10	
Matrix Spike Dup (BD71407-MSD9)		Source: L170444-13		Prepared & Analyzed: 04/14/2017						
Batch BD71407 - EPA 200.7/200.8										
LEAD	0.0107	0.00101	mg/L	0.0101	0.00107	94.9	70-130	0.209	10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Tucson Water Quality Lab  
4401 S. Tucson Estates Pkwy.  
Tucson, AZ 85735  
(520) 837-2455

Arizona Department of Environmental Quality  
1110 West Washington Street  
Phoenix AZ, 85007

Project: Public School Lead Screening Program  
Project Number: P01210  
Project Manager: Water Quality Compliance 5415B-1

**Reported:**  
04/20/2017 12:54

## Certified Analyses included in this Report

Analyte	Certifications
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Code	Description	Number	Expires
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**Reported:**  
04/20/2017 12:54

### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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### Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
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# TUCSON WATER CHAIN OF CUSTODY

Page 1 of 2

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<b>LOGIN ID:</b> <u>L170428</u>				PRESERVATIVE (HNO3 added in lab)	(HNO3 added in lab)	COMPLIANCE (Y / N)	PROPERTY NAME	ADDRESS	PROPERTY TYPE	COMMENTS
<b>CLIENT:</b> ADEQ										
<b>PROJECT NAME/FREQUENCY:</b> Public School Lead Screening Program										
<b>PROJECT #:</b> P01210										
<b>SAMPLING DATE:</b> <u>03-21-17</u>				NUMBER OF CONTAINERS	Pb (200.8)	COMPLIANCE (Y / N)	PROPERTY NAME	ADDRESS	PROPERTY TYPE	COMMENTS
<b>SAMPLED BY:</b> print full name <u>TUSD Adrian Rivera</u> signature										

SAMPLE #	TIME	LOCATION	SITE		CPMS					
-01	10:40	Nurse ofc	01	1	X	N	Pueblo Gardens	2210 E. 33rd St	TUSD	sink door 18
-02	10:41	Nurse ofc	02	1	X	N				sink dr 180
-03	10:44	library	03	1	X	N				drinking fountain South wall
-04	10:45	library	04	1	X	N				drinking fountain
-05	10:51	Activity Center	05	1	X	N				drinking fountain
-06	10:51	Activity Center	06	1	X	N				drinking
-07	11:01	South	07	1	X	N				drinking fountain Outside 105A
-08	11:02	South	08	1	X	N				drinking outside door 105A
-09	09:55	Nurse ofc	01	1	X	N	Holladay Int. Mag	1110 E. 33rd St		Sink
-10	09:56	Nurse ofc	02	1	X	N				Sink Activity rm
-11	10:06	Activity Center	03	1	X	N				drinking fountain - Nurse ofc
-12	10:06	Activity Center	04	1	X	N				drinking fountain Nurse ofc
-13	10:10	Library	05	1	X	N				drinking fountain Kitchen
-14	10:11	Library	06	1	X	N				drinking fountain
-15	10:15	SE Quad	07	1	X	N				drinking fountain act. Rm west wall

<b>COMMENTS:</b>	CONTACT: TINA COOK 225-4673	

SIGNATURE		DATE/TIME	SIGNATURE		DATE/TIME
RELINQUISHED BY:			RECEIVED BY:		
RELINQUISHED BY:	<u>[Signature]</u>	03-28-17 11:06	RECEIVED BY:	<u>[Signature]</u>	03-28-17 11:07
RELINQUISHED BY:	<u>[Signature]</u>	03-28-17 12:24	RECEIVED BY:	<u>[Signature]</u>	03-28-17 12:29

24.4°C

# TUCSON WATER CHAIN OF CUSTODY

Page 2 of 2

<b>LOGIN ID:</b> <u>L170428</u> <b>CLIENT:</b> ADEQ <b>PROJECT NAME/FREQUENCY:</b> Public School Lead Screening Program <b>PROJECT #:</b> P01210 <b>SAMPLING DATE:</b> <u>03-21-17</u> <b>SAMPLED BY:</b> print full name <u>TUSD - Adrian Rivera</u> signature				PRESERVATIVE	(HNO3 added in lab)	COMPLIANCE (Y / N)	PROPERTY NAME	ADDRESS	PROPERTY TYPE	COMMENTS
NUMBER OF CONTAINERS	Pb (200.8)									
SAMPLE #	TIME	LOCATION	SITE		ICPMS					
14-01	10:16	SE Quad	08	1	X	N	Holladay Pst. Mag.	1110 E. 33rd St	TUSD	drinking fountain South wing
-02										
-03										
-04										
-05										
-06										
-07										
-08										
-09										
-10										
-11										
-12										
-13										
-14										
-15										
COMMENTS:		CONTACT: TINA COOK 225-4673								
SIGNATURE				DATE/TIME		SIGNATURE		DATE/TIME		
RELINQUISHED BY:						RECEIVED BY:				
RELINQUISHED BY:				03-28-17 11:06		RECEIVED BY:		03-28-17 11:07		
RELINQUISHED BY:				03-28-17 12:24		RECEIVED BY:		03-28-17 12:29		

03-28-17  
16

24.4 °C