



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

21 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 L170438, received by the laboratory on 03/28/2017 16:55. 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:**  
04/21/2017 10:10

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LRC-L216C	L170438-01	Aqueous	03/22/2017 07:00	03/28/2017 16:55
LRC-Hallway	L170438-02	Aqueous	03/22/2017 07:15	03/28/2017 16:55
Chem-Lab	L170438-03	Aqueous	03/22/2017 07:30	03/28/2017 16:55
Main Hallway	L170438-04	Aqueous	03/22/2017 07:45	03/28/2017 16:55
2nd Floor West	L170438-05	Aqueous	03/22/2017 07:55	03/28/2017 16:55
Health Office 104	L170438-06	Aqueous	03/22/2017 07:40	03/28/2017 16:55
Main Hall West	L170438-07	Aqueous	03/22/2017 07:50	03/28/2017 16:55
Plant Addn	L170438-08	Aqueous	03/22/2017 08:00	03/28/2017 16:55

Tucson Water Quality Laboratory



Michael E. Dew, Lab Manager

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Project Manager: Water Quality Compliance 5415B-1

**Reported:**  
04/21/2017 10:10

**LRC-L216C**  
**L170438-01 (Aqueous)**

**Sampled:**  
03/22/2017 7:00

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.0122</b>	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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**Reported:**  
 04/21/2017 10:10

**LRC-Hallway**  
**L170438-02 (Aqueous)**

**Sampled:**  
 03/22/2017 7:15

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	BC73007	03/30/2017	03/30/2017	EPA 200.8
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**Reported:**  
04/21/2017 10:10

**Chem-Lab**  
**L170438-03 (Aqueous)**

**Sampled:**  
03/22/2017 7:30

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.00109</b>	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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**Reported:**  
 04/21/2017 10:10

**Main Hallway**  
**L170438-04 (Aqueous)**

**Sampled:**  
 03/22/2017 7:45

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	BC73007	03/30/2017	03/30/2017	EPA 200.8
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**Reported:**  
04/21/2017 10:10

**2nd Floor West**  
**L170438-05 (Aqueous)**

**Sampled:**  
03/22/2017 7:55

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.00185</b>	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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**Reported:**  
 04/21/2017 10:10

**Health Office 104**  
**L170438-06 (Aqueous)**

**Sampled:**  
 03/22/2017 7:40

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.00298</b>	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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**Reported:**  
 04/21/2017 10:10

**Main Hall West**  
**L170438-07 (Aqueous)**

**Sampled:**  
 03/22/2017 7:50

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.00207</b>	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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**Reported:**  
 04/21/2017 10:10

**Plant Addn**  
**L170438-08RE1 (Aqueous)**

**Sampled:**  
 03/22/2017 8:00

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.0261</b>	0.00200	mg/L	2	BD70702	04/04/2017	04/06/2017	EPA 200.8
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**Reported:**  
 04/21/2017 10:10

### 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 (BC73007-MS1)		Source: L170437-01		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.00983	0.00101	mg/L	0.0101	0.000171	95.6	70-130			
Matrix Spike (BC73007-MS2)		Source: L170437-11		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.0143	0.00101	mg/L	0.0101	0.00463	96.2	70-130			
Matrix Spike (BC73007-MS3)		Source: L170437-21		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.00985	0.00101	mg/L	0.0101	0.000198	95.6	70-130			
Matrix Spike (BC73007-MS4)		Source: L170436-03		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.00968	0.00101	mg/L	0.0101	0.000173	94.1	70-130			
Matrix Spike (BC73007-MS5)		Source: L170436-13		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.0103	0.00101	mg/L	0.0101	0.000561	96.3	70-130			

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**Reported:**  
 04/21/2017 10:10

### 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 (BC73007-MS6)		Source: L170434-04		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.0102	0.00101	mg/L	0.0101	0.000292	98.1	70-130			
Matrix Spike Dup (BC73007-MSD1)		Source: L170437-01		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.00986	0.00101	mg/L	0.0101	0.000171	95.9	70-130	0.349	10	
Matrix Spike Dup (BC73007-MSD2)		Source: L170437-11		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.0143	0.00101	mg/L	0.0101	0.00463	96.2	70-130	0.0211	10	
Matrix Spike Dup (BC73007-MSD3)		Source: L170437-21		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.00987	0.00101	mg/L	0.0101	0.000198	95.8	70-130	0.174	10	
Matrix Spike Dup (BC73007-MSD4)		Source: L170436-03		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.00967	0.00101	mg/L	0.0101	0.000173	94.0	70-130	0.0627	10	

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 04/21/2017 10:10

### 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 (BC73007-MSD5)		Source: L170436-13		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.0103	0.00101	mg/L	0.0101	0.000561	96.6	70-130	0.294	10	
Matrix Spike Dup (BC73007-MSD6)		Source: L170434-04		Prepared & Analyzed: 03/30/2017						
Batch BC73007 - EPA 200.7/200.8										
LEAD	0.0101	0.00101	mg/L	0.0101	0.000292	97.6	70-130	0.516	10	
Blank (BD70702-BLK1)				Prepared: 04/04/2017 Analyzed: 04/06/2017						
Batch BD70702 - EPA 200.7/200.8										
LEAD	ND	0.00100	mg/L							
LCS (BD70702-BS1)				Prepared: 04/04/2017 Analyzed: 04/06/2017						
Batch BD70702 - EPA 200.7/200.8										
LEAD	0.00938	0.00100	mg/L	0.0100		93.8	85-115			
Matrix Spike (BD70702-MS1)		Source: L170460-05		Prepared: 04/04/2017 Analyzed: 04/06/2017						
Batch BD70702 - EPA 200.7/200.8										
LEAD	0.00945	0.00100	mg/L	0.0100	0.000518	89.3	70-130			
Matrix Spike Dup (BD70702-MSD1)		Source: L170460-05		Prepared: 04/04/2017 Analyzed: 04/06/2017						
Batch BD70702 - EPA 200.7/200.8										
LEAD	0.00940	0.00100	mg/L	0.0100	0.000518	88.8	70-130	0.573	10	

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Arizona Department of Environmental Quality	Project: Public School Lead Screening Program	
1110 West Washington Street	Project Number: P01210	<b>Reported:</b>
Phoenix AZ, 85007	Project Manager: Water Quality Compliance 5415B-1	04/21/2017 10:10

Certified Analyses included in this Report

Analyte	Certifications
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Code	Description	Number	Expires
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**Reported:**  
04/21/2017 10:10

### 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 1

LOGIN ID: <u>L170438</u>				PRESERVATIVE	(HNO <sub>3</sub> added in lab)	COMPLIANCE (Y/N)	PROPERTY NAME	ADDRESS	PROPERTY TYPE	COMMENTS
CLIENT: ADEQ										
PROJECT NAME/FREQUENCY: Public School Lead Screening Program										
PROJECT #: P01210										
SAMPLING DATE: <u>03-22-17</u>										
SAMPLED BY: print full name <u>TUSD Antonio Zavala</u> signature				NUMBER OF CONTAINERS	Pb (200.8)					
SAMPLE #	TIME	LOCATION	SITE		ICPMS					
-01	07:00	LRC-L2WC	21	1	X	N	Pueblo Magnet HS	3500 S 12 <sup>th</sup> Ave	TUSD	drinking fountain sink
-02	07:15	LRC-Hallway	22	1	X	N				drinking fountain
-03	07:30	Chem-Lab	23	1	X	N				sink drinking fountain
-04	07:45	Main Hallway	24	1	X	N				n/s drinking fountain
-05	07:55	2 <sup>nd</sup> Flr West	25	1	X	N				drinking fountain
-06	07:40	Health Ofc 104	26	1	X	N				sink d.f.
-07	07:50	Main Hall West	27	1	X	N				drinking fountain
-08	08:00	Plant Admin	28	1	X	N				Faucet
-09										
-10										
-11										
-12										
-13										
-14										
-15										
COMMENTS:				CONTACT: TINA COOK 225-4673						
SIGNATURE				DATE/TIME		SIGNATURE		DATE/TIME		
RELINQUISHED BY:				03-28-17 11:10		RECEIVED BY:		03-28-17 10:23		
RELINQUISHED BY:				03-28-17 12:37		RECEIVED BY:		03-28-17 11:11		
RELINQUISHED BY:						RECEIVED BY:		03-28-17 16:55		

24.02