



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 L170433, received by the laboratory on 03/28/2017 12:21. 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 13:46

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Main	L170433-01	Aqueous	03/21/2017 07:30	03/28/2017 12:21
So. Class Rm	L170433-02	Aqueous	03/21/2017 07:45	03/28/2017 12:21
South	L170433-03	Aqueous	03/21/2017 07:55	03/28/2017 12:21
Main	L170433-04	Aqueous	03/21/2017 06:30	03/28/2017 12:21
Activity Bldg	L170433-05	Aqueous	03/21/2017 06:43	03/28/2017 12:21
Admin Main	L170433-06	Aqueous	03/21/2017 08:23	03/28/2017 12:21
Pod C	L170433-07	Aqueous	03/21/2017 08:48	03/28/2017 12:21
Pod C Class Rm #13	L170433-08	Aqueous	03/21/2017 08:55	03/28/2017 12:21
Pod D East	L170433-09	Aqueous	03/21/2017 09:00	03/28/2017 12:21
Pod E	L170433-10	Aqueous	03/21/2017 09:15	03/28/2017 12:21
Pod E Class Rm	L170433-11	Aqueous	03/21/2017 09:20	03/28/2017 12:21
Pod F	L170433-12	Aqueous	03/21/2017 09:30	03/28/2017 12:21
Pod F Class Rm	L170433-13	Aqueous	03/21/2017 09:40	03/28/2017 12:21
Pod H North	L170433-14	Aqueous	03/21/2017 09:50	03/28/2017 12:21
Pod H MPR	L170433-15	Aqueous	03/21/2017 10:02	03/28/2017 12:21
Pod G	L170433-16	Aqueous	03/21/2017 10:10	03/28/2017 12:21
Pod J	L170433-17	Aqueous	03/21/2017 10:20	03/28/2017 12:21

Tucson Water Quality Laboratory



Michael E. Dew, Lab Manager

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

**Reported:**  
 04/20/2017 13:46

**Main**  
**L170433-01 (Aqueous)**

**Sampled:**  
 03/21/2017 7:30

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 13:46

**So. Class Rm**  
**L170433-02 (Aqueous)**

**Sampled:**  
 03/21/2017 7:45

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.00101</b>	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 13:46

**South**  
**L170433-03 (Aqueous)**

**Sampled:**  
 03/21/2017 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>0.00476</b>	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 13:46

**Main**  
**L170433-04 (Aqueous)**

**Sampled:**  
 03/21/2017 6:30

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 13:46

**Activity Bldg**  
**L170433-05 (Aqueous)**

**Sampled:**  
 03/21/2017 6:43

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 13:46

**Admin Main**  
**L170433-06 (Aqueous)**

**Sampled:**  
 03/21/2017 8:23

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Tucson Water Quality Laboratory**

**Total Metals by ICPMS**

<b>LEAD</b>	<b>0.00212</b>	0.00100	mg/L	1	BD71407	04/14/2017	04/14/2017	EPA 200.8
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**Reported:**  
 04/20/2017 13:46

**Pod C**  
**L170433-07 (Aqueous)**

**Sampled:**  
 03/21/2017 8:48

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 13:46

**Pod C Class Rm #13**  
**L170433-08 (Aqueous)**

**Sampled:**  
 03/21/2017 8:55

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 13:46

**Pod D East**  
**L170433-09 (Aqueous)**

**Sampled:**  
 03/21/2017 9:00

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 13:46

**Pod E**  
**L170433-10 (Aqueous)**

**Sampled:**  
 03/21/2017 9:15

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 13:46

**Pod E Class Rm**  
**L170433-11 (Aqueous)**

**Sampled:**  
 03/21/2017 9:20

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 13:46

**Pod F**  
**L170433-12 (Aqueous)**

**Sampled:**  
03/21/2017 9:30

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 13:46

**Pod F Class Rm**  
**L170433-13 (Aqueous)**

**Sampled:**  
 03/21/2017 9:40

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 13:46

**Pod H North**  
**L170433-14 (Aqueous)**

**Sampled:**  
 03/21/2017 9:50

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 13:46

**Pod H MPR**  
**L170433-15 (Aqueous)**

**Sampled:**  
 03/21/2017 10:02

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 13:46

**Pod G**  
**L170433-16 (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 13:46

**Pod J**  
**L170433-17 (Aqueous)**

**Sampled:**  
 03/21/2017 10:20

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 13:46

### 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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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 13:46

### 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	

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## Certified Analyses included in this Report

Analyte	Certifications
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Code	Description	Number	Expires
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### 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

LOGIN ID: <u>L170433</u>				PRESERVATIVE	(HNO3 added in lab)			PROPERTY NAME	ADDRESS	PROPERTY TYPE	COMMENTS				
CLIENT: ADEQ															
PROJECT NAME/FREQUENCY: Public School Lead Screening Program															
PROJECT #: P01210															
SAMPLING DATE: <u>03-21-07</u>				NUMBER OF CONTAINERS	Pb (200.8)	COMPLIANCE (Y/N)									
SAMPLED BY: print full name <u>TUSD Paul Martinez</u> signature															
SAMPLE #	TIME	LOCATION	SITE		CPMS										
-01	07:30	Main	01	1	X	N	Grigalva Elem.	1795 W. Prexel Rd.			Drinking Fountain				
-02	07:45	So. Class Rm	02	1	X	N	↓	↓			↓				
-03	07:55	South	03	1	X	N	↓	↓			↓				
-04	08:30	Main	01	1	X	N	Carrillo Magnet	440 S. Main Ave			Drinking				
-05	08:43	Activity Bldg	02	1	X	N	↓	↓							
-06	08:23	Admin Main	01	1	X	N	Valencia M.S.	4400 N. Irvington Rd			Drinking Fountain				
-07	08:48	Pod C	02	1	X	N	↓	↓			↓				
-08	08:55	Pod C Class #3	03	1	X	N	↓	↓			↓				
-09	09:00	Pod D East	04	1	X	N	↓	↓			↓				
-10	09:15	Pod E	05	1	X	N	↓	↓			↓				
-11	09:20	Pod E Classroom	06	1	X	N	↓	↓			↓				
-12	09:30	Pod F	07	1	X	N	↓	↓			↓				
-13	09:40	Pod F Classroom	08	1	X	N	↓	↓			↓				
-14	<del>09:50</del>	Pod H North	09	1	X	N	↓	↓			↓				
-15	10:02	Pod H MPR	10	1	X	N	↓	↓			↓				
COMMENTS:				CONTACT: TINA COOK 225-4673											
SIGNATURE				DATE/TIME				SIGNATURE				DATE/TIME			
RELINQUISHED BY:								RECEIVED BY:				03-28-07 10:57			
RELINQUISHED BY:				03-28-07 10:57				RECEIVED BY:				03-28-07 10:58			
RELINQUISHED BY:				03-28-07 12:12				RECEIVED BY:				3-28-07 12:21			

23.2

## TUCSON WATER CHAIN OF CUSTODY

Page 2 of 2

Page 28 of 28

LOGIN ID: <u>L170433</u>				PRESERVATIVE	(HNO3 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:				NUMBER OF CONTAINERS	Pb (200.8)						
SAMPLED BY: print full name <u>TUSD - Raul Martinez</u> signature											
SAMPLE #	TIME	LOCATION	SITE								
14-01	10:10	Pod G	11	1	X	N	Valencia M.S.	4400 W. Irvington		Drinking Fountain	
17-02	10:20	Pod J	12	1	X	N	↓	↓			
-03											
-04											
-05											
-06											
-07											
-08											
-09											
-10											
-11											
-12											
-13											
-14											
-15											
COMMENTS:				CONTACT: TINA COOK 225-4673							
SIGNATURE				DATE/TIME				SIGNATURE			
RELINQUISHED BY:								RECEIVED BY:			
RELINQUISHED BY:				03-28-17 10:57				RECEIVED BY:			
RELINQUISHED BY:				03-28-17 12:12				RECEIVED BY:			

23.2