



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

17 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 L170434, received by the laboratory on 03/28/2017 12:48. 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:
04/17/2017 14:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Main by 159	L170434-01	Aqueous	03/21/2017 06:50	03/28/2017 12:48
Main 122A	L170434-02	Aqueous	03/21/2017 07:00	03/28/2017 12:48
MOD 52	L170434-03	Aqueous	03/21/2017 07:22	03/28/2017 12:48
MOD 120	L170434-04	Aqueous	03/21/2017 07:39	03/28/2017 12:48
FR 34 Nurse Office	L170434-05	Aqueous	03/21/2017 09:19	03/28/2017 12:48
FR 72 Classroom	L170434-06	Aqueous	03/21/2017 09:29	03/28/2017 12:48
FR 101 Corridor	L170434-07	Aqueous	03/21/2017 08:33	03/28/2017 12:48
FR 25 Classroom	L170434-08	Aqueous	03/21/2017 08:44	03/28/2017 12:48
DUNE 1002 FR 252	L170434-09	Aqueous	03/21/2017 08:52	03/28/2017 12:48

Tucson Water Quality Laboratory



Michael E. Dew, Lab Manager

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Reported:
 04/17/2017 14:07

Main by 159
L170434-01 (Aqueous)

Sampled:
 03/21/2017 6:50

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	BC73007	03/30/2017	03/30/2017	EPA 200.8
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Reported:
 04/17/2017 14:07

Main 122A
L170434-02 (Aqueous)

Sampled:
 03/21/2017 7:00

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00221	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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 Project Number: P01210
 Project Manager: Water Quality Compliance 5415B-1

Reported:
 04/17/2017 14:07

MOD 52
L170434-03 (Aqueous)

Sampled:
 03/21/2017 7:22

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

Reported:
 04/17/2017 14:07

MOD 120
L170434-04 (Aqueous)

Sampled:
 03/21/2017 7:39

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:
 04/17/2017 14:07

FR 34 Nurse Office
L170434-05 (Aqueous)

Sampled:
 03/21/2017 9:19

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:
 04/17/2017 14:07

FR 72 Classroom
L170434-06 (Aqueous)

Sampled:
 03/21/2017 9:29

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00288	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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Reported:
 04/17/2017 14:07

FR 101 Corridor
L170434-07 (Aqueous)

Sampled:
 03/21/2017 8:33

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:
 04/17/2017 14:07

FR 25 Classroom
L170434-08 (Aqueous)

Sampled:
 03/21/2017 8:44

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00262	0.00100	mg/L	1	BC73007	03/30/2017	03/30/2017	EPA 200.8
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Reported:
04/17/2017 14:07

DUNE 1002 FR 252
L170434-09 (Aqueous)

Sampled:
03/21/2017 8:52

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:
 04/17/2017 14:07

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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 Project Manager: Water Quality Compliance 5415B-1

Reported:
 04/17/2017 14:07

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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Reported:
 04/17/2017 14:07

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
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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	
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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	
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Certified Analyses included in this Report

Analyte	Certifications
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Code	Description	Number	Expires
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Reported:
04/17/2017 14:07

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
			Default Report (not modified)
			VERSION 6.12:2007

TUCSON WATER CHAIN OF CUSTODY

Page 1 of 1

Page 18 of 18

LOGIN ID: <u>6170434</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: <u>03-21-17</u>				NUMBER OF CONTAINERS	Pb (200.8)						
SAMPLED BY: print full name <u>FRANK</u> <u>03-28-17</u> <u>11:01</u> <u>TUSD FRANCISCO HERNANDEZ</u> signature											
SAMPLE #	TIME	LOCATION	SITE		CPMAS						
-01	06:50	Main by 159	01	1	X	N	Soleng Tom ES	10520 E Camino Quince	TUSD	Main 159 drinking fountain	
-02	07:00	Main Fr 122A	02	1	X	N				classroom bubbler	
-03	07:22	MOD 52	03	1	X	N				drinking fountain bubbler	
-04	07:39	MOD 120	04	1	X	N				RR lav	
-05	09:19	FR 34 nurse ofc	01	1	X	N	Dunham ES ^{MARSHALL ES}	485 E 9066 E 29TH ST		ofc sink	
-06	09:29	FR 72 classroom	02	1	X	N				bubbler	
-07	08:33	FR 101 corridor	01	1	X	N	DUNHAM ES	9850 E 29TH ST		drinking fountain	
-08	08:44	FR 25 classroom	02	1	X	N				bubbler drinking fountain	
-09	08:52	DUNE 1002 ^{FR 252}	01	1	X	N				bubbler	
-10											
-11											
-12											
-13											
-14											
-15											
COMMENTS:				CONTACT: TINA COOK 225-4673							
SIGNATURE				DATE/TIME				SIGNATURE			
RELINQUISHED BY:				03-28-17 10:59				03-28-17 10:00			
RELINQUISHED BY:				03-28-17 12:45				03-28-17 11:00			
RELINQUISHED BY:								3-28-17 12:48			

24.6°C