



*City of Tempe*  
6600 S Price Rd  
Tempe, AZ 85283  
TEL: 4803502855 FAX: 4803502677  
Website: [www.tempe.gov](http://www.tempe.gov)

April 24, 2017

Justin Bern  
City of Tempe Lead & Copper  
P.O. Box 5002  
Tempe, AZ 85280  
TEL: (480) 350-2860  
FAX (480) 350-2677

RE: ADEQ School Lead Initiative

Order No.: 1704181

Dear Justin Bern:

City of Tempe received 6 sample(s) on 04/17/2017 for the analyses presented in the following report.

Justin Bern  
Quality Officer  
6600 S Price Rd  
Tempe, AZ 85283

Lab license #AZ0055



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## Case Narrative

WO#: 1704181  
Date: 04/24/2017

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**CLIENT:** City of Tempe Lead & Copper  
**Project:** ADEQ School Lead Initiative

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This report in its entirety consists of the documents listed below. All documents contain the City of Tempe Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.
2. A Cover Letter that immediately precedes the Paginated Report.
3. Copies of the Chain of Custody Documents supplied with this sample set.

Any comments or problems with the analytical events associated with this report are noted below.



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## Analytical Report

(base report)

WO#: 1704181

Date Reported: 04/24/2017

**CLIENT:** City of Tempe Lead & Copper  
**Matrix:** DRINKING WATER  
**Lab ID:** 1704181-001A  
**Project:** ADEQ School Lead Initiative  
**Client Sample ID** Kyrene Elementary District\_Kyrene Akimel A-al\_1 Conf - 1st Draw

**Tag Number:**

**Collection Date:** 04/14/2017 8:06:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS					E200.8	E200.8 Analyst: MK
Lead	3.4	1.0		µg/L	1	04/21/2017 8:02:55 AM

<b>Qualifiers:</b>	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode



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## Analytical Report

(base report)

WO#: 1704181

Date Reported: 04/24/2017

**CLIENT:** City of Tempe Lead & Copper  
**Matrix:** DRINKING WATER  
**Lab ID:** 1704181-002A  
**Project:** ADEQ School Lead Initiative  
**Client Sample ID** Kyrene Elementary District\_Kyrene Akimel A-al\_2 Conf - Flush

**Tag Number:**

**Collection Date:** 04/14/2017 8:09:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS					E200.8	E200.8 Analyst: MK
Lead	1.3	1.0		µg/L	1	04/21/2017 8:06:39 AM

<b>Qualifiers:</b>	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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## Analytical Report

(base report)

WO#: 1704181

Date Reported: 04/24/2017

**CLIENT:** City of Tempe Lead & Copper  
**Matrix:** DRINKING WATER  
**Lab ID:** 1704181-003A  
**Project:** ADEQ School Lead Initiative  
**Client Sample ID** Kyrene Elementary District\_Kyrene Akimel A-al\_3 Conf - 1st Draw

**Tag Number:**

**Collection Date:** 04/15/2017 8:12:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS					E200.8	E200.8 Analyst: MK
Lead	ND	1.0		µg/L	1	04/21/2017 8:10:27 AM

<b>Qualifiers:</b>	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode



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## Analytical Report

(base report)

WO#: 1704181

Date Reported: 04/24/2017

**CLIENT:** City of Tempe Lead & Copper  
**Matrix:** DRINKING WATER  
**Lab ID:** 1704181-004A  
**Project:** ADEQ School Lead Initiative  
**Client Sample ID** Kyrene Elementary District\_Kyrene Akimel A-al\_4 screenings

**Tag Number:**  
**Collection Date:** 04/14/2017 7:49:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS					E200.8	E200.8 Analyst: MK
Lead	ND	1.0		µg/L	1	04/21/2017 8:30:02 AM

<b>Qualifiers:</b>	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode



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## Analytical Report

(base report)

WO#: 1704181

Date Reported: 04/24/2017

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<b>CLIENT:</b>	City of Tempe Lead & Copper	<b>Tag Number:</b>	
<b>Matrix:</b>	DRINKING WATER	<b>Collection Date:</b>	04/14/2017 7:53:00 AM
<b>Lab ID:</b>	1704181-005A		
<b>Project:</b>	ADEQ School Lead Initiative		
<b>Client Sample ID</b>	Kyrene Elementary District_Kyrene Akimel A-al_5 screenings		

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>METALS BY ICP/MS</b>				<b>E200.8</b>	<b>E200.8</b>	Analyst: <b>MK</b>
Lead	ND	1.0		µg/L	1	04/21/2017 8:33:38 AM

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	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode



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## Analytical Report

(base report)

WO#: 1704181

Date Reported: 04/24/2017

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<b>CLIENT:</b>	City of Tempe Lead & Copper	<b>Tag Number:</b>	
<b>Matrix:</b>	DRINKING WATER	<b>Collection Date:</b>	04/14/2017 8:02:00 AM
<b>Lab ID:</b>	1704181-006A		
<b>Project:</b>	ADEQ School Lead Initiative		
<b>Client Sample ID</b>	Kyrene Elementary District_Kyrene Akimel A-al_6 screenings		

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS					E200.8	E200.8 Analyst: MK
Lead	46	5.0		µg/L	5	04/21/2017 9:38:26 AM

**NOTES:**

D1 = Sample required dilution due to matrix.

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## QC SUMMARY REPORT

WO#: 1704181

24-Apr-17

**Client:** City of Tempe Lead & Copper  
**Project:** ADEQ School Lead Initiative

**BatchID:** 971

Sample ID	MB-971	SampType:	MBLK	TestCode:	200.8	Units:	µg/L	Prep Date:	04/18/2017	RunNo:	12287		
Client ID:	PBW	Batch ID:	971	TestNo:	E200.8	E200.8		Analysis Date:	04/21/2017	SeqNo:	143326		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead		ND		1.0										
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Sample ID	LCS-971	SampType:	LCS	TestCode:	200.8	Units:	µg/L	Prep Date:	04/18/2017	RunNo:	12287			
Client ID:	LCSW	Batch ID:	971	TestNo:	E200.8	E200.8		Analysis Date:	04/21/2017	SeqNo:	143329			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead		99		1.0	100.0	0		99.2	85	115				
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Sample ID	1704181-003AMS	SampType:	MS	TestCode:	200.8	Units:	µg/L	Prep Date:	04/18/2017	RunNo:	12287			
Client ID:	Kyrene Elementary	Batch ID:	971	TestNo:	E200.8	E200.8		Analysis Date:	04/21/2017	SeqNo:	143333			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead		100		1.0	100.0	0		101	70	130				
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Sample ID	1704181-003AMSD	SampType:	MSD	TestCode:	200.8	Units:	µg/L	Prep Date:	04/18/2017	RunNo:	12287			
Client ID:	Kyrene Elementary	Batch ID:	971	TestNo:	E200.8	E200.8		Analysis Date:	04/21/2017	SeqNo:	143334			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead		100		1.0	100.0	0		101	70	130	100.9	0.198	20	
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**Qualifiers:** H Holding times for preparation or analysis exceeded  
RL Reporting Detection Limit

M Manual Integration used to determine area response  
W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit