

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Phoenix

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Phoenix, AZ 85040

Tel: (602)437-3340

TestAmerica Job ID: 550-80606-1

TestAmerica Sample Delivery Group: Sanders High School

Client Project/Site: Pb in DW/Sanders Unified District

For:

Arizona Dept of Environmental Quality

1110 W. Washington St., MC5415B-1

Phoenix, Arizona 85007

Attn: David A Burchard



Authorized for release by:

4/24/2017 3:13:21 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Job ID: 550-80606-1

Laboratory: TestAmerica Phoenix

Narrative

Job Narrative 550-80606-1

Comments

No additional comments.

Receipt

The samples were received on 4/7/2017 10:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.6° C.

Receipt Exceptions

The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 1001 (550-80606-1), 1002 (550-80606-2), 1003 (550-80606-3), 1004 (550-80606-4), 1006 (550-80606-5), 1007 (550-80606-6), 1008 (550-80606-7), 1009 (550-80606-8) and 1010 (550-80606-9). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-80606-1	1001	Drinking Water	04/03/17 20:30	04/07/17 10:20
550-80606-2	1002	Drinking Water	04/03/17 20:00	04/07/17 10:20
550-80606-3	1003	Drinking Water	04/03/17 20:20	04/07/17 10:20
550-80606-4	1004	Drinking Water	04/03/17 20:10	04/07/17 10:20
550-80606-5	1006	Drinking Water	04/03/17 19:50	04/07/17 10:20
550-80606-6	1007	Drinking Water	04/03/17 19:40	04/07/17 10:20
550-80606-7	1008	Drinking Water	04/03/17 19:45	04/07/17 10:20
550-80606-8	1009	Drinking Water	04/03/17 20:35	04/07/17 10:20
550-80606-9	1010	Drinking Water	04/03/17 19:30	04/07/17 10:20

Detection Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Client Sample ID: 1001

Lab Sample ID: 550-80606-1

No Detections.

Client Sample ID: 1002

Lab Sample ID: 550-80606-2

No Detections.

Client Sample ID: 1003

Lab Sample ID: 550-80606-3

No Detections.

Client Sample ID: 1004

Lab Sample ID: 550-80606-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.5		0.50	ppb	1		200.8	Total/NA

Client Sample ID: 1006

Lab Sample ID: 550-80606-5

No Detections.

Client Sample ID: 1007

Lab Sample ID: 550-80606-6

No Detections.

Client Sample ID: 1008

Lab Sample ID: 550-80606-7

No Detections.

Client Sample ID: 1009

Lab Sample ID: 550-80606-8

No Detections.

Client Sample ID: 1010

Lab Sample ID: 550-80606-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Lead	21		0.50	ppb	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

Client Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Client Sample ID: 1001

Date Collected: 04/03/17 20:30

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-1

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:09	04/22/17 14:30	1

Client Sample ID: 1002

Date Collected: 04/03/17 20:00

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-2

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:09	04/22/17 14:32	1

Client Sample ID: 1003

Date Collected: 04/03/17 20:20

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-3

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:09	04/22/17 14:34	1

Client Sample ID: 1004

Date Collected: 04/03/17 20:10

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-4

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.50	ppb		04/12/17 10:48	04/22/17 17:36	1

Client Sample ID: 1006

Date Collected: 04/03/17 19:50

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-5

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:32	04/17/17 14:02	1

Client Sample ID: 1007

Date Collected: 04/03/17 19:40

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-6

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:32	04/17/17 14:04	1

Client Sample ID: 1008

Date Collected: 04/03/17 19:45

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-7

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:32	04/17/17 13:55	1

TestAmerica Phoenix

Client Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Client Sample ID: 1009

Date Collected: 04/03/17 20:35

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-8

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/12/17 10:48	04/22/17 17:48	1

Client Sample ID: 1010

Date Collected: 04/03/17 19:30

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-9

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		0.50	ppb		04/12/17 10:48	04/22/17 17:49	1

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-114627/1-A

Matrix: Water

Analysis Batch: 115508

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114627

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:09	04/22/17 13:43	1

Lab Sample ID: LCS 550-114627/3-A

Matrix: Water

Analysis Batch: 115508

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	87.8		ppb		88	85 - 115

Lab Sample ID: LCSD 550-114627/4-A

Matrix: Water

Analysis Batch: 115508

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114627

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	89.8		ppb		90	85 - 115	2	20

Lab Sample ID: 550-80536-A-2-B MS

Matrix: Water

Analysis Batch: 115508

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114627

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.3		100	86.0		ppb		85	70 - 130

Lab Sample ID: 550-80536-A-2-C MSD

Matrix: Water

Analysis Batch: 115508

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 114627

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	1.3		100	95.4		ppb		94	70 - 130	10	20

Lab Sample ID: MB 550-114628/1-A

Matrix: Water

Analysis Batch: 115080

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114628

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/11/17 20:32	04/17/17 13:48	1

Lab Sample ID: LCS 550-114628/3-A

Matrix: Water

Analysis Batch: 115080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	102		ppb		102	85 - 115

Lab Sample ID: LCSD 550-114628/4-A

Matrix: Water

Analysis Batch: 115080

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114628

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	99.2		ppb		99	85 - 115	3	20

TestAmerica Phoenix

QC Sample Results

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Lab Sample ID: 550-80606-7 MS
Matrix: Drinking Water
Analysis Batch: 115080

Client Sample ID: 1008
Prep Type: Total/NA
Prep Batch: 114628
%Rec. Limits

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		100	97.0		ppb		97	70 - 130

Lab Sample ID: 550-80606-7 MSD
Matrix: Drinking Water
Analysis Batch: 115080

Client Sample ID: 1008
Prep Type: Total/NA
Prep Batch: 114628
%Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	ND		100	97.2		ppb		97	70 - 130	0	20

Lab Sample ID: MB 550-114670/1-A
Matrix: Water
Analysis Batch: 115518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114670

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	ppb		04/12/17 10:48	04/22/17 17:14	1

Lab Sample ID: LCS 550-114670/3-A
Matrix: Water
Analysis Batch: 115531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114670
%Rec. Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	96.3		ppb		96	85 - 115

Lab Sample ID: LCSD 550-114670/4-A
Matrix: Water
Analysis Batch: 115531

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114670
%Rec. RPD

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	100	96.9		ppb		97	85 - 115	1	20

Lab Sample ID: 550-80596-A-1-B MS
Matrix: Water
Analysis Batch: 115518

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 114670
%Rec. Limits

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.9		100	84.1		ppb		82	70 - 130

Lab Sample ID: 550-80596-A-1-C MSD
Matrix: Water
Analysis Batch: 115518

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 114670
%Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	1.9		100	82.0		ppb		80	70 - 130	2	20

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Metals

Prep Batch: 114627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-80606-1	1001	Total/NA	Drinking Water	200.8	
550-80606-2	1002	Total/NA	Drinking Water	200.8	
550-80606-3	1003	Total/NA	Drinking Water	200.8	
MB 550-114627/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-114627/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-114627/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-80536-A-2-B MS	Matrix Spike	Total/NA	Water	200.8	
550-80536-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Prep Batch: 114628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-80606-5	1006	Total/NA	Drinking Water	200.8	
550-80606-6	1007	Total/NA	Drinking Water	200.8	
550-80606-7	1008	Total/NA	Drinking Water	200.8	
MB 550-114628/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-114628/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-114628/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-80606-7 MS	1008	Total/NA	Drinking Water	200.8	
550-80606-7 MSD	1008	Total/NA	Drinking Water	200.8	

Prep Batch: 114670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-80606-4	1004	Total/NA	Drinking Water	200.8	
550-80606-8	1009	Total/NA	Drinking Water	200.8	
550-80606-9	1010	Total/NA	Drinking Water	200.8	
MB 550-114670/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-114670/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-114670/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-80596-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	
550-80596-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 115080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-80606-5	1006	Total/NA	Drinking Water	200.8	114628
550-80606-6	1007	Total/NA	Drinking Water	200.8	114628
550-80606-7	1008	Total/NA	Drinking Water	200.8	114628
MB 550-114628/1-A	Method Blank	Total/NA	Water	200.8	114628
LCS 550-114628/3-A	Lab Control Sample	Total/NA	Water	200.8	114628
LCSD 550-114628/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	114628
550-80606-7 MS	1008	Total/NA	Drinking Water	200.8	114628
550-80606-7 MSD	1008	Total/NA	Drinking Water	200.8	114628

Analysis Batch: 115508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-80606-1	1001	Total/NA	Drinking Water	200.8	114627
550-80606-2	1002	Total/NA	Drinking Water	200.8	114627
550-80606-3	1003	Total/NA	Drinking Water	200.8	114627
MB 550-114627/1-A	Method Blank	Total/NA	Water	200.8	114627
LCS 550-114627/3-A	Lab Control Sample	Total/NA	Water	200.8	114627
LCSD 550-114627/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	114627
550-80536-A-2-B MS	Matrix Spike	Total/NA	Water	200.8	114627

TestAmerica Phoenix

QC Association Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Metals (Continued)

Analysis Batch: 115508 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-80536-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	114627

Analysis Batch: 115518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-80606-4	1004	Total/NA	Drinking Water	200.8	114670
550-80606-8	1009	Total/NA	Drinking Water	200.8	114670
550-80606-9	1010	Total/NA	Drinking Water	200.8	114670
MB 550-114670/1-A	Method Blank	Total/NA	Water	200.8	114670
550-80596-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	114670
550-80596-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	114670

Analysis Batch: 115531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 550-114670/3-A	Lab Control Sample	Total/NA	Water	200.8	114670
LCSD 550-114670/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	114670

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Client Sample ID: 1001

Date Collected: 04/03/17 20:30

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114627	04/11/17 20:09	SLS	TAL PHX
Total/NA	Analysis	200.8		1	115508	04/22/17 14:30	TEK	TAL PHX

Client Sample ID: 1002

Date Collected: 04/03/17 20:00

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114627	04/11/17 20:09	SLS	TAL PHX
Total/NA	Analysis	200.8		1	115508	04/22/17 14:32	TEK	TAL PHX

Client Sample ID: 1003

Date Collected: 04/03/17 20:20

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114627	04/11/17 20:09	SLS	TAL PHX
Total/NA	Analysis	200.8		1	115508	04/22/17 14:34	TEK	TAL PHX

Client Sample ID: 1004

Date Collected: 04/03/17 20:10

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114670	04/12/17 10:48	SGO	TAL PHX
Total/NA	Analysis	200.8		1	115518	04/22/17 17:36	TEK	TAL PHX

Client Sample ID: 1006

Date Collected: 04/03/17 19:50

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114628	04/11/17 20:32	SLS	TAL PHX
Total/NA	Analysis	200.8		1	115080	04/17/17 14:02	TEK	TAL PHX

Client Sample ID: 1007

Date Collected: 04/03/17 19:40

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114628	04/11/17 20:32	SLS	TAL PHX
Total/NA	Analysis	200.8		1	115080	04/17/17 14:04	TEK	TAL PHX

TestAmerica Phoenix

Lab Chronicle

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Client Sample ID: 1008

Date Collected: 04/03/17 19:45

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114628	04/11/17 20:32	SLS	TAL PHX
Total/NA	Analysis	200.8		1	115080	04/17/17 13:55	TEK	TAL PHX

Client Sample ID: 1009

Date Collected: 04/03/17 20:35

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-8

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114670	04/12/17 10:48	SGO	TAL PHX
Total/NA	Analysis	200.8		1	115518	04/22/17 17:48	TEK	TAL PHX

Client Sample ID: 1010

Date Collected: 04/03/17 19:30

Date Received: 04/07/17 10:20

Lab Sample ID: 550-80606-9

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			114670	04/12/17 10:48	SGO	TAL PHX
Total/NA	Analysis	200.8		1	115518	04/22/17 17:49	TEK	TAL PHX

Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Laboratory: TestAmerica Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0728	06-09-17

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Arizona Dept of Environmental Quality
Project/Site: Pb in DW/Sanders Unified District

TestAmerica Job ID: 550-80606-1
SDG: Sanders High School

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL PHX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Collection Log
for experienced sample collectors

80606

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	Sanders Unified district
School Name	Sanders High School
Building (name/number)	High School
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	Boy Locker room
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1001
Date of Collection	4-3-17
Time of Collection	8:30 pm
Printed Name of Sample Collector	Sam Doherty
Signature Sample Collector	Sam Doherty

Notes Sample collector:

550-80606 Chain of Custody



For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	4-7-17 10:20
Signature	[Signature]
Notes: 21.6 °C 1001 FB Gr	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

①

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	<u>Sanders Unified district</u>
School Name	<u>Sanders High School</u>
Building (name/number)	<u>Vocational Bldg.</u>
Type of Fixture (tap, drinking fountain etc.)	<u>Drinking fountain</u>
Location of Fixture (example, room number)	<u>CTE 5 Shop</u>
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	<u>1002</u>
Date of Collection	<u>4-3-17</u>
Time of Collection	<u>8:00 PM</u>
Printed Name of Sample Collector	<u>Sam Fashie</u>
Signature Sample Collector	<u>Sam Fashie</u>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

(2)

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	<u>Sanders Unified district</u>
School Name	<u>Sanders High School</u>
Building (name/number)	<u>Mechanical Bldg.</u>
Type of Fixture (tap, drinking fountain etc.)	<u>Tap</u>
Location of Fixture (example, room number)	<u>Shop 500 Bldg</u>
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	<u>1003</u>
Date of Collection	<u>4-3-17</u>
Time of Collection	<u>8:20 PM</u>
Printed Name of Sample Collector	<u>Sam Fashie</u>
Signature Sample Collector	<u>Sam Fashie</u>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

3

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	<u>Sanders Unified district</u>
School Name	<u>Sanders High School</u>
Building (name/number)	<u>Pump house</u>
Type of Fixture (tap, drinking fountain etc.)	<u>Tap</u>
Location of Fixture (example, room number)	<u>Pump house</u>
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	<u>1004</u>
Date of Collection	<u>4-3-17</u>
Time of Collection	<u>8:10 pm</u>
Printed Name of Sample Collector	<u>Sam Dashe</u>
Signature Sample Collector	<u>Sam Dashe</u>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

4

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	<u>Sanders Unified district</u>
School Name	<u>Sanders High School</u>
Building (name/number)	<u>Hallway By Room 105 H.S.</u>
Type of Fixture (tap, drinking fountain etc.)	<u>drinking fountain</u>
Location of Fixture (example, room number)	<u>Hallway by 105 Room</u>
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	<u>1006</u>
Date of Collection	<u>4-3-17</u>
Time of Collection	<u>7:50 PM</u>
Printed Name of Sample Collector	<u>Sam Iashe</u>
Signature Sample Collector	<u>Sam Iashe</u>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

⑤

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	Sanders Unified district
School Name	Sanders High School
Building (name/number)	Alternative 1007
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Classroom
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1007
Date of Collection	4-3-17
Time of Collection	7:40 PM
Printed Name of Sample Collector	Sam Iashie
Signature Sample Collector	Sam Iashie

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that **water had not been used at this tap or other taps in the area for 6 hours** and **no** flushing was done prior to sampling

Name of School District	<u>Sanders Unified district</u>
School Name	<u>Sanders High School</u>
Building (name/number)	<u>Room 105</u>
Type of Fixture (tap, drinking fountain etc.)	<u>Tap</u>
Location of Fixture (example, room number)	<u>Classroom</u>
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	<u>1008</u>
Date of Collection	<u>4-3-17</u>
Time of Collection	<u>7:45 PM</u>
Printed Name of Sample Collector	<u>SAM TASHIE</u>
Signature Sample Collector	<u>Sam Tashie</u>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

7

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sanders Unified district
School Name	Sanders High School
Building (name/number)	High School
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	by PE Classroom
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1009
Date of Collection	4-3-17
Time of Collection	8:35 PM
Printed Name of Sample Collector	Sam Iashie
Signature Sample Collector	Sam Iashie

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

8

Collection Log

for experienced sample collectors

Complete copy of this form for each sample collected. Your drinking water sample cannot be tested unless a copy of this form is shipped to the lab with each sample. In addition, the sample cannot be tested unless the Sample Identification Number matches the number on the sample container label.

- ☐ Check this box to confirm that water had not been used at this tap or other taps in the area for 6 hours and no flushing was done prior to sampling

Name of School District	Sanders Unified district
School Name	Sanders High School
Building (name/number)	Public Facility Concession 1010
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Concession area
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1010
Date of Collection	4-3-17
Time of Collection	7:30 PM
Printed Name of Sample Collector	Sam Iashie
Signature Sample Collector	Sam Iashie

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

These samples were collected for lead screening purposes only and cannot be used for compliance.

9

✓	Sanders Unified District	Sanders High School	1001	Building-1	High Scool	1991	1 40 and US 191	Sanders	86512	Apache	1
✓	Sanders Unified District	Sanders High School	1002	Building-2	Vocational Education	1994	1 40 and US 191	Sanders	86512	Apache	1
✓	Sanders Unified District	Sanders High School	1003	Building-3	Mechanical Building	1991	1 40 and US 191	Sanders	86512	Apache	1
✓	Sanders Unified District	Sanders High School	1004	Building-4	Pump House	1991	1 40 and US 191	Sanders	86512	Apache	1
✓	Sanders Unified District	Sanders High School	1006	Building 6	Classroom	1986	1 40 and US 191	Sanders	86512	Apache	2
✓	Sanders Unified District	Sanders High School	1007	Building 7 (Moved from M.S.)	Classrooms	1986	1 40 and US 191	Sanders	86512	Apache	2
✓	Sanders Unified District	Sanders High School	1008	Building 8	Classrooms	1986	1 40 and US 191	Sanders	86512	Apache	2
✓	Sanders Unified District	Sanders High School	1009	Building 9	PE Classroom	2009	1 40 and US 191	Sanders	86512	Apache	1
✓	Sanders Unified District	Sanders High School	1010	Building 10	Public facility, concession	2009	1 40 and US 191	Sanders	86512	Apache	1

Total Containers 12

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Sanders Unified District
ATTN: Dan Hute – Superintendent
I-40 & HWY 191 South
Sanders, AZ 86512

Login Sample Receipt Checklist

Client: Arizona Dept of Environmental Quality

Job Number: 550-80606-1
SDG Number: Sanders High School

Login Number: 80606

List Number: 1

Creator: Vilaboy, Monica

List Source: TestAmerica Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.