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## Laboratory Report

for

Arizona Department of Environmental Quality  
1110 West Washington Street  
Phoenix, AZ 85007  
Attention: David Burchard

Date of Issue  
03/01/2017



Eurofins Eaton  
Analytical

TDF: Thomas.D.French  
Project Manager



Report: 641611  
Project: FTTHOMAS-UD  
ADHS License #: AZ0778  
Group: For Thomas High School  
PO#: PO#: ADEQ16-116686:3

\* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.

\* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.

\* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.

\* Test results relate only to the sample(s) tested.

\* This report shall not be reproduced except in full, without the written approval of the laboratory.

## STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Mississippi	Certified
-----	-----	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA00006-2016
California-Monrovia-ELAP	2813	New Hampshire *	2959
California-Colton- ELAP	2812	New Jersey *	CA 008
California-Folsom- ELAP	2820	New Mexico	Certified
California-Fresno- ELAP	2966	New York *	11320
Colorado	Certified	North Carolina	06701
Connecticut	PH-0107	North Dakota	R-009
Delaware	CA 006	Oregon (Primary AB) *	ORELAP 4034
Florida *	E871024	Pennsylvania *	68-565
Georgia	947	Puerto Rico	Certified
Guam	16-003r	Rhode Island	LAO00326
Hawaii	Certified	South Carolina	87016
Idaho	Certified	South Dakota	Certified
Illinois *	200033	Tennessee	TN02839
Indiana	C-CA-01	Texas *	T104704230-15-9
Kansas *	E-10268	Utah *	CA000062016-10
Kentucky	90107	Vermont	VT0114
Louisiana *	LA16003	Virginia *	460260
Maine	CA0006	Washington	C838
Maryland	224	-----	-----
Commonwealth of Northern Marianas Is.	MP0004	-----	-----
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264

\* NELAP/TNI Recognized Accreditation Bodies

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: <http://www.eatonanalytical.com>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environmental (Drinking Water)	Environmental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
Bicarbonate Alkalinity as HCO <sub>3</sub>	SM 2320B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO <sub>3</sub>	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO <sub>2</sub> D	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1623	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli (MTF/EC+MUG)		x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DCBP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environmental (Drinking Water)	Environmental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	x		x
NDMA	TQ In house method based on EPA 521 (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	x		
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Semi-VOC	EPA 625		x	x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO <sub>2</sub> C	x	x	
Sulfide	SM 4500-S <sup>-</sup> D		x	
Sulfite	SM 4500-SO <sub>3</sub> B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

## Acknowledgement of Samples Received

Addr: **Arizona Department of Environmental Quality**  
1110 West Washington Street  
Phoenix, AZ 85007

Attn: David Burchard  
Phone: (602) 771-4298

Client ID: ADEQ-LEAD  
Folder #: 641611  
Project: FTTHOMAS-UD  
Sample Group: For Thomas High School

Project Manager: Thomas.D.French  
Phone: (480) 778-1558  
PO #: ADEQ16-116686:3  
Sampler: Russ Osterling

The following samples were received from you on **February 27, 2017** at **1134**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
<u>201702270373</u>	1001 (1) Sample Type: Tap Facility ID: High School Sample Point ID: Teachers Work Room @ICPMS Freight - Outbound Freight - Return	02/15/2017 0600
<u>201702270374</u>	1001 (2) Sample Type: Tap Facility ID: District Office Sample Point ID: Kitchen @ICPMS	02/15/2017 0600
<u>201702270375</u>	1002 Sample Type: Drinking Fountain Facility ID: High School Sample Point ID: Jr. High Hall way West @ICPMS	02/15/2017 0600
<u>201702270376</u>	1002 (2) Sample Type: Drinking Fountain Facility ID: High School Sample Point ID: Jr. High Hallway Center @ICPMS	02/15/2017 0600
<u>201702270377</u>	1003 Sample Type: Drinking Fountain Facility ID: High School Sample Point ID: Hallway Near Cafeteria @ICPMS	02/15/2017 0600
<u>201702270378</u>	1004 Sample Type: Drinking Fountain Facility ID: GYM Sample Point ID: Lobby @ICPMS	02/15/2017 0600
<u>201702270379</u>	1005 Sample Type: Tap Facility ID: Maint. Shop Sample Point ID: Outside @ICPMS	02/15/2017 0600
<u>201702270380</u>	1007	02/15/2017 0630

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Sample #	Sample ID	Sample Date
	Sample Type: Drinking Fountain Facility ID: Admin Sample Point ID: Lobby @ICPMS	
<u>201702270381</u>	1008	02/15/2017 0630
	Sample Type: Drinking Fountain Facility ID: Multi Purpose Room Sample Point ID: Near Restrooms @ICPMS	
<u>201702270382</u>	1009	02/15/2017 0630
	Sample Type: Drinking Fountain Facility ID: Class Rooms Sample Point ID: Labrary @ICPMS	
<u>201702270383</u>	1010	02/15/2017 0600
	Sample Type: Drinking Fountain Facility ID: Auto Shop Sample Point ID: Near Bathrooms @ICPMS	
<u>201702270384</u>	1011	02/15/2017 0600
	Sample Type: Tap Facility ID: Cafeteria Sample Point ID: Kitchen @ICPMS	
<u>201702270385</u>	1012	02/15/2017 0600
	Sample Type: Drinking Fountain Facility ID: Welding Shop Sample Point ID: Outside Classroom @ICPMS	
<u>201702270386</u>	1013	02/15/2017 0630
	Sample Type: Drinking Fountain Facility ID: Bylass Learning Center Sample Point ID: Lobby @ICPMS	
<u>201702270581</u>	1014	02/15/2017 0600
	Sample Type: Drinking Fountain Facility ID: Wood Shop Sample Point ID: Entry way	

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Sample #	Sample ID	Sample Date
	@ICPMS	

### Test Description

@ICPMS -- ICPMS Metals

## Collection Log

for experienced sample collectors


641611

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	FT Thomas Unified
School Name	FT. Thomas High School
Building (name/number)	High School
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Teachers work Room
Sample Identification Number ( <b>Write the number here and on sample container</b> )	1001 (1)
Date of Collection	2/15/17
Time of Collection	6:00
Printed Name of Sample Collector	Russ Oesterling
Signature Sample Collector	Russ Oesterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1133
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.*



ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## 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	FT Thomas Unified
School Name	FT Thomas High School
Building (name/number)	District Office
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Kitchen
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1001 (2)
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Desterling
Signature Sample Collector	Russ Desterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2/27/17 1133
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

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ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## Collection Log

*for experienced sample collectors*

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Name of School District	Ft Thomas Unified
School Name	Ft Thomas High School
Building (name/number)	High School
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Jr High Hallway West
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1002
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Osterling
Signature Sample Collector	Russ Osterling

Notes Sample collector:
-------------------------

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2.27.17 11:34
Signature	JR
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

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## Collection Log

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- ☒ 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	FT Thomas Unified
School Name	FT Thomas High School
Building (name/number)	High School
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	JP high Hallway center
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1002 (2)
Date of Collection	2/15/17
Time of Collection	6:00
Printed Name of Sample Collector	Russ Oesterling
Signature Sample Collector	<i>Russ Oesterling</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	<i>JT2</i>
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

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ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## Collection Log

*for experienced sample collectors*

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- ☒ 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	FT. Thomas Unified
School Name	FT. Thomas High School
Building (name/number)	High School
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Hallway near Cafeteria
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1003
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Oesterling
Signature Sample Collector	Russ Oesterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1130
Signature	JR
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

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ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## Collection Log


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Name of School District	FT Thomas Unified
School Name	FT Thomas High School
Building (name/number)	Gym
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	LOBBY
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1004
Date of Collection	2/15/17
Time of Collection	6:00 PM
Printed Name of Sample Collector	Russ Osterling
Signature Sample Collector	Russ Osterling

Notes Sample collector:
-------------------------

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

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ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## Collection Log

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Name of School District	FT Thomas Unified
School Name	Ft. Thomas High School
Building (name/number)	Main. Shop
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Out side
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1005
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Cesterling
Signature Sample Collector	Russ Cesterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	<i>[Signature]</i>
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

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ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## Collection Log

*for experienced sample collectors*

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- ☒ 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	71 Thomas Unified
School Name	MT Turnbull Elementary
Building (name/number)	Admin
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Lobby
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1007
Date of Collection	2/15/17
Time of Collection	6:30 AM
Printed Name of Sample Collector	Russ Gesterling
Signature Sample Collector	Russ Gesterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	JR
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature \_\_\_\_\_

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9

ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## 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	H Thomas Unified
School Name	MT Turnbull Elementary
Building (name/number)	Multi Purpose Room
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Near Rest Rooms
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1008
Date of Collection	2/15/17
Time of Collection	6:30 Am
Printed Name of Sample Collector	Russ Oesterling
Signature Sample Collector	<i>Russ Oesterling</i>

Notes Sample collector:
-------------------------

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	<i>[Signature]</i>
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.*



(10)

ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## Collection Log

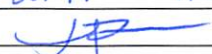
*for experienced sample collectors*

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Name of School District	74 Thomas Unified
School Name	MT. TURNBULL Elementary
Building (name/number)	Class Rooms
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Library
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1009
Date of Collection	2/15/17
Time of Collection	6:30 AM
Printed Name of Sample Collector	Russ Gasterling
Signature Sample Collector	Russ Gasterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
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.*

11

## 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	Ft Thomas Unified
School Name	Ft Thomas High School
Building (name/number)	Auto Shop
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Near Bathrooms
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1010
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Oesterling
Signature Sample Collector	Russ Oesterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	JP
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.*

12

## 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	Ft Thomas Unified
School Name	Ft Thomas High School
Building (name/number)	Cafeteria
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Kitchen
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1011
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Osterling
Signature Sample Collector	Russ Osterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2:27 17 1134
Signature	JR
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.*

ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## 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	H Thomas Unified
School Name	H Thomas High School
Building (name/number)	Welding Shop
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Outside Classroom
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1012
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Osterling
Signature Sample Collector	Russ Osterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	JT2
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.*



14

## 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	74 Thomas Unified
School Name	74 Thomas High School (Alternative)
Building (name/number)	B4 Learning Center
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	LOBBY
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1013
Date of Collection	2/15/17
Time of Collection	6:30 AM
Printed Name of Sample Collector	Russ Pestering
Signature Sample Collector	Russ Pestering

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
Signature	JPR
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.*

ADEQ Public School Drinking Water Lead Screening Program  
Sampling Plan & Collection Log

## 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	7th Thomas Unified
School Name	7th Thomas High School
Building (name/number)	Wood Shop
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	ENTRY way
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1014
Date of Collection	2/15/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Oesterling
Signature Sample Collector	Russ Oesterling

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 1134
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.*



Eaton Analytical

**Kit Order for Arizona Department of Environmental Quality**  
Thomas.D.French is your Eurofins Eaton Analytical Service Manager

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
(626) 386-1100 FAX (626) 386-1101

Kit #: 158525 

Created By: Thomas.D.French - [TDF]  
Deliver By: 02/10/2017  
STG: Bottle Orders  
Ice Type: W

Client ID: ADEQ-LEAD  
Project Code: FTTHOMAS-UD Bottle Orders  
Group Name: For Thomas High School  
PO#JOB#:

**Note: Sampler Please return this paper with your samples**

**Ship Sample Kits to**  
Fort Thomas Unified District  
15560 W. Elementary School Road  
Fort Thomas, AZ 85536  
  
Attr: Derrick Bryce  
Phone: (928) 965-3452

**Send Report to**  
Arizona Department of Environmental  
Quality  
1110 West Washington Street  
Phoenix, AZ 85007  
  
Attr: David Burchard  
Phone: (602) 771-4298

**Billing Address**  
Arizona Department of Environmental  
Quality  
1110 West Washington Street  
Phoenix, AZ 85007  
  
Attr: ADEQ  
Phone: (602) 771-1936

# of Sample Tests	Bottle Qty - Type [ preservative information ]	UN DOT #
18 @ICPMS	1 - 250ml poly [ no preservative ]	

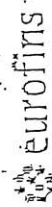
#### Comments

Fort Thomas High School - Include Fort Thomas Unified School District Sample list, 18 Lead Sampling Plan Records, packing instructions for return shipment to Eurofins Eaton Analytical, Inc. 750 Royal Oaks Drive, Suite C, Monrovia, CA 91016. 18 sample containers. Return Shipment Fed EX

Sampler - please refer to Sampling Plan Records for instructions on completing paperwork and what to include with return shipment of the samples.

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By
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Eaton Analytical

# INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 352A (Observation = 15.8 °C) (Corr. Factor -0.2 °C) (Final = 15.6 °C)

TYPE OF ICE: Real ☒ Synthetic ☐ No Ice ☒

CONDITION OF ICE: Frozen ☐ Partially Frozen ☐ Thawed ☒ N/A ☒

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: ☐

Compliance Acceptance Criteria:

1) Chemistry: >0, ≤ 0°C, not frozen (NIELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥ 10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrant.

1 = (Observation = <input type="text"/> °C) (Corr. Factor = <input type="text"/> °C) (Final = <input type="text"/> °C)	2 = (Observation = <input type="text"/> °C) (Corr. Factor = <input type="text"/> °C) (Final = <input type="text"/> °C)
3 = (Observation = <input type="text"/> °C) (Corr. Factor = <input type="text"/> °C) (Final = <input type="text"/> °C)	4 = (Observation = <input type="text"/> °C) (Corr. Factor = <input type="text"/> °C) (Final = <input type="text"/> °C)

4) UCMR3: 524.3: (Observation =  °C) (Corr. Factor =  °C) (Final =  °C)

(non-GLEC) 522: (Observation =  °C) (Corr. Factor =  °C) (Final =  °C)

≤ 10°C if received within 48 hours of sample collection (not the same business day); ≤ 0°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia / Cryptosporidium: < 20 °C, not frozen (received after 8 hours of sample collection)

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Cryptosporidium: (Observation =  °C) (Corr. Factor =  °C) (Final =  °C)

E. Coli: (Observation =  °C) (Corr. Factor =  °C) (Final =  °C)

6) Dioxin (1813 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

RECEIVED BY:

SIGNATURE

COMPANY/TITLE

DATE

TIME

[Signature]

Joseph

Eurofins Eaton Analytical

2.21.17

1133

EUROFINS EATON ANALYTICAL  
50 ROYAL OAKS DR  
STE 100  
MONROVIA, CA 91016-6355-99

1105-1590  
ETP-19 2D-MR-100-Y  
720479461866

# Arizona Department of Environmental Quality

## Public School Lead Drinking Water Screening Program

### Sampling Plan & Collection Log

#### for *Experienced Sample Collectors*

Use these procedures to collect samples of water for lead screening at school. This protocol is part of a proactive program to screen the drinking water at Arizona schools for lead. Schools will be provided a sampling kit that will include this form, a list of school buildings to sample, sampling containers and return shipping if needed.

#### Sample Locations

When possible select two sampling locations from each building built before January 1, 1988 and one sample location for buildings built after this date. Prioritize sampling locations based on how frequently someone could drink from them. The chart below should be used to select sampling locations.

Recommended	Not Recommended
Drinking fountains	Bathroom sinks
Preschool classrooms	Janitor closets
Cafeteria and kitchen sinks	Hose bibs
Nurse's/health office sinks	Taps attached to water softeners
Home economics room sinks	Taps attached Point of Use devices
Any sink known to be or visibly used for consumption	Fixtures where human consumption of the water is not likely to occur

#### Sample Collection

1. Collect all water samples before the facility opens for the day and any water usage occurs.
2. The water must have sat in the pipes for at least six (6) hours before a sample is taken.
3. Collect samples in the container(s) provided by completing the following steps:
  - 1) Open sample container
  - 2) Hold sample container under fixture (**cold water tap only**).
  - 3) Turn on fixture
  - 4) Fill sample container
  - 5) Close sample container tightly
  - 6) Complete label on sample container, ensure information on container matches information recorded on the **"Collection Log"** provided immediately following the collection of each sample.
  - 7) Provide a map with sample locations
4. Assign a **unique** sample identification number to each sample. (For example, bldg100-01 to indicate it is collected in building 100 and is the first sample). Record that number on the Sample Collection Record form and sample container.
5. Accurately complete the **"Collection Log"**. **Accurate information about the sample is essential.**
6. Ship the samples as instructed within three (3) days. Place all Sample Collection Logs in a water tight container such as a zip lock bag. Keep the Sample Collection Log with the samples. **PLEASE RETURN THE KIT ORDER FORM that accompanies the sample kits for each school with this paperwork.** The lab (Eurofins Eaton Analytical, Inc.) must receive the sample within 10 days in order for them to be analyzed.

Ft Thomas Unified District	Fort Thomas High School	1001	(1) Teacher workroom (2) D.O. High School Building	Instruction, School Admin. & District Admin.	1925	P O Box 28	Ft Thomas	85536-0028	Graham	2
Ft Thomas Unified District	Fort Thomas High School	1002	(1) w 3rd High Hallway (2) Middle of High Hallway East Wing	Instruction, multi-media center, counseling	1968	P O Box 28	Ft Thomas	85536-0028	Graham	2
Ft Thomas Unified District	Fort Thomas High School	1003	High School - East Wing Classroom Additions	Instruction	1995	P O Box 28	Ft Thomas	85536-0028	Graham	1
Ft Thomas Unified District	Fort Thomas High School	1004	Gymnasium / Woodshop	Athletic events, commencement, woodshop, community	1990	P O Box 28	Ft Thomas	85536-0028	Graham	1
Ft Thomas Unified District	Fort Thomas High School	1005	District Maintenance Shop	Maintenance	1997	P O Box 28	Ft Thomas	85536-0028	Graham	1
Ft Thomas Unified District	Fort Thomas High School	1007	MTE Admin High School Portable Classroom #1 (Replaced)	Instruction (demolished)	1976	P O Box 28	Ft Thomas	85536-0028	Graham	2
Ft Thomas Unified District	Fort Thomas High School	1008	MTE MPR High School Portable #2 (replaced)	Instruction of reading & special ed. (demolished)	1981	P O Box 28	Ft Thomas	85536-0028	Graham	2
Ft Thomas Unified District	Fort Thomas High School	1009	MTE Classrooms High School Portable #3	Demolished Instruction of Title I Students	1995	P O Box 28	Ft Thomas	85536-0028	Graham	1
Ft Thomas Unified District	Fort Thomas High School	1010	Automotive Shop / Bus Garage	Automotive Classes and Bus Maintenance Facility	1984	P O Box 28	Ft Thomas	85536-0028	Graham	2



Ft Thomas Unified District	Fort Thomas High School	1011	High School Addition ✓	Classrooms, library, cafeteria, auditorium	2003	P O Box 28	Ft Thomas	85536-0028	Graham	1
Ft Thomas Unified District	Fort Thomas High School	1012	High School Vo. Ag. Building ✓	Classroom and welding shop	2003	P O Box 28	Ft Thomas	85536-0028	Graham	1
Ft Thomas Unified District	Fort Thomas High School	1013	Bylas Learning ✓	Multipurpose	2008	P O Box 28	Ft Thomas	85536-0028	Graham	1
Ft Thomas Unified District	Fort Thomas High School	1014	Industrial Trades Building ✓	Classroom	2009	P O Box 28	Ft Thomas	85536-0028	Graham	1
Total Containers										18

Tel: (626) 386-1100  
Fax: (626) 386-1101  
1 800 566 LABS (1 800 566 5227)

**Laboratory Comments**  
**Report: 641611**

Arizona Department of Environmental Quality  
David Burchard  
1110 West Washington Street  
Phoenix, AZ 85007

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Tel: (626) 386-1100  
Fax: (626) 386-1101  
1 800 566 LABS (1 800 566 5227)

Laboratory Hits  
Report: 641611

Arizona Department of Environmental Quality  
David Burchard  
1110 West Washington Street  
Phoenix, AZ 85007

Samples Received on:  
02/27/2017 1134

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	<b>201702270373</b>	<b><u>1001 (1)</u></b>				
02/28/2017 19:45	Lead Total ICAP/MS		1.2	15	ug/L	0.5
	<b>201702270374</b>	<b><u>1001 (2)</u></b>				
02/28/2017 19:49	Lead Total ICAP/MS		14	15	ug/L	0.5
	<b>201702270375</b>	<b><u>1002</u></b>				
02/28/2017 19:54	Lead Total ICAP/MS		0.56	15	ug/L	0.5
	<b>201702270376</b>	<b><u>1002 (2)</u></b>				
02/28/2017 19:58	Lead Total ICAP/MS		0.62	15	ug/L	0.5
	<b>201702270377</b>	<b><u>1003</u></b>				
02/28/2017 19:59	Lead Total ICAP/MS		3.9	15	ug/L	0.5
	<b>201702270378</b>	<b><u>1004</u></b>				
02/28/2017 20:02	Lead Total ICAP/MS		2.2	15	ug/L	0.5
	<b>201702270379</b>	<b><u>1005</u></b>				
02/28/2017 20:03	Lead Total ICAP/MS		15	15	ug/L	0.5
	<b>201702270382</b>	<b><u>1009</u></b>				
02/28/2017 20:07	Lead Total ICAP/MS		0.51	15	ug/L	0.5
	<b>201702270383</b>	<b><u>1010</u></b>				
02/28/2017 20:08	Lead Total ICAP/MS		10	15	ug/L	0.5
	<b>201702270384</b>	<b><u>1011</u></b>				
02/28/2017 20:09	Lead Total ICAP/MS		0.91	15	ug/L	0.5
	<b>201702270385</b>	<b><u>1012</u></b>				
02/28/2017 20:10	Lead Total ICAP/MS		1.2	15	ug/L	0.5
	<b>201702270386</b>	<b><u>1013</u></b>				
02/28/2017 20:16	Lead Total ICAP/MS		1.2	15	ug/L	0.5
	<b>201702270581</b>	<b><u>1014</u></b>				
02/28/2017 20:37	Lead Total ICAP/MS		1.6	15	ug/L	0.5

SUMMARY OF POSITIVE DATA ONLY

Tel: (626) 386-1100  
Fax: (626) 386-1101  
1 800 566 LABS (1 800 566 5227)

Laboratory Data  
Report: 641611

Arizona Department of Environmental Quality  
David Burchard  
1110 West Washington Street  
Phoenix, AZ 85007

Samples Received on:  
02/27/2017 1134

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<b>1001 (1) (201702270373)</b>						<b>Sampled on 02/15/2017 0600</b>			
Sample Type: Tap Facility ID: High School Sample Point ID: Teachers Work Room									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:45	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	1.2	ug/L	0.5	1
<b>1001 (2) (201702270374)</b>						<b>Sampled on 02/15/2017 0600</b>			
Sample Type: Tap Facility ID: District Office Sample Point ID: Kitchen									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:49	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	14	ug/L	0.5	1
<b>1002 (201702270375)</b>						<b>Sampled on 02/15/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: High School Sample Point ID: Jr. High Hall way West									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:54	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	0.56	ug/L	0.5	1
<b>1002 (2) (201702270376)</b>						<b>Sampled on 02/15/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: High School Sample Point ID: Jr. High Hallway Center									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:58	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	0.62	ug/L	0.5	1
<b>1003 (201702270377)</b>						<b>Sampled on 02/15/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: High School Sample Point ID: Hallway Near Cafeteria									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:59	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	3.9	ug/L	0.5	1
<b>1004 (201702270378)</b>						<b>Sampled on 02/15/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: GYM Sample Point ID: Lobby									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 20:02	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	2.2	ug/L	0.5	1
<b>1005 (201702270379)</b>						<b>Sampled on 02/15/2017 0600</b>			
Sample Type: Tap Facility ID: Maint. Shop Sample Point ID: Outside									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 20:03	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	15	ug/L	0.5	1
<b>1007 (201702270380)</b>						<b>Sampled on 02/15/2017 0630</b>			

Rounding on totals after summation.  
(c) - indicates calculated results



Tel: (626) 386-1100  
Fax: (626) 386-1101  
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Laboratory Data  
Report: 641611

**Arizona Department of Environmental Quality**  
David Burchard  
1110 West Washington Street  
Phoenix, AZ 85007

Samples Received on:  
02/27/2017 1134

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Drinking Fountain Facility ID: Admin Sample Point ID: Lobby EPA 200.8 - ICPMS Metals									
02/27/17	02/28/17 20:05	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
1008 (201702270381)						Sampled on 02/15/2017 0630			
Sample Type: Drinking Fountain Facility ID: Multi Purpose Room Sample Point ID: Near Restrooms EPA 200.8 - ICPMS Metals									
02/27/17	02/28/17 20:06	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
1009 (201702270382)						Sampled on 02/15/2017 0630			
Sample Type: Drinking Fountain Facility ID: Class Rooms Sample Point ID: Labrary EPA 200.8 - ICPMS Metals									
02/27/17	02/28/17 20:07	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	0.51	ug/L	0.5	1
1010 (201702270383)						Sampled on 02/15/2017 0600			
Sample Type: Drinking Fountain Facility ID: Auto Shop Sample Point ID: Near Bathrooms EPA 200.8 - ICPMS Metals									
02/27/17	02/28/17 20:08	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	10	ug/L	0.5	1
1011 (201702270384)						Sampled on 02/15/2017 0600			
Sample Type: Tap Facility ID: Cafeteria Sample Point ID: Kitchen EPA 200.8 - ICPMS Metals									
02/27/17	02/28/17 20:09	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	0.91	ug/L	0.5	1
1012 (201702270385)						Sampled on 02/15/2017 0600			
Sample Type: Drinking Fountain Facility ID: Welding Shop Sample Point ID: Outside Classroom EPA 200.8 - ICPMS Metals									
02/27/17	02/28/17 20:10	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	1.2	ug/L	0.5	1
1013 (201702270386)						Sampled on 02/15/2017 0630			
Sample Type: Drinking Fountain Facility ID: Bylass Learning Center Sample Point ID: Lobby EPA 200.8 - ICPMS Metals									
02/27/17	02/28/17 20:16	973740	974011	(EPA 200.8)	Lead Total ICAP/MS	1.2	ug/L	0.5	1
1014 (201702270581)						Sampled on 02/15/2017 0600			

Rounding on totals after summation.  
(c) - indicates calculated results

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 Fax: (626) 386-1101  
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**Laboratory Data**  
**Report: 641611**

**Arizona Department of Environmental Quality**  
 David Burchard  
 1110 West Washington Street  
 Phoenix, AZ 85007

Samples Received on:  
 02/27/2017 1134

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Drinking Fountain Facility ID: Wood Shop Sample Point ID: Entry way <b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 20:37	973740	974012	(EPA 200.8)	Lead Total ICAP/MS	1.6	ug/L	0.5	1

Tel: (626) 386-1100  
 Fax: (626) 386-1101  
 1 800 566 LABS (1 800 566 5227)

Arizona Department of Environmental Quality

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**ICPMS Metals**

**Prep Batch: 973740 Analytical Batch: 974009**

201702270373	1001 (1)
201702270374	1001 (2)

**Analysis Date: 02/28/2017**

Analyzed by: CYP

Analyzed by: CYP

**ICPMS Metals**

**Prep Batch: 973740 Analytical Batch: 974011**

201702270375	1002
201702270376	1002 (2)
201702270377	1003
201702270378	1004
201702270379	1005
201702270380	1007
201702270381	1008
201702270382	1009
201702270383	1010
201702270384	1011
201702270385	1012
201702270386	1013

**Analysis Date: 02/28/2017**

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

Analyzed by: CYP

**ICPMS Metals**

**Prep Batch: 973740 Analytical Batch: 974012**

201702270581	1014
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**Analysis Date: 02/28/2017**

Analyzed by: CYP

Tel: (626) 386-1100  
Fax: (626) 386-1101  
1 800 566 LABS (1 800 566 5227)

Arizona Department of Environmental Quality

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>ICPMS Metals by EPA 200.8</b>									
<b>Analytical Batch: 974009</b>					<b>Analysis Date: 02/28/2017</b>				
LCS1	Lead Total ICAP/MS		20	19.7	ug/L	99	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.9	ug/L	100	(85-115)	20	1.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.492	ug/L	98	(50-150)		
MS_201702240324	Lead Total ICAP/MS	23	20	44.3	ug/L	107	(70-130)		
MS2_201702270359	Lead Total ICAP/MS	2.0	20	23.4	ug/L	107	(70-130)		
MSD_201702240324	Lead Total ICAP/MS	23	20	46.3	ug/L	117	(70-130)	20	4.4
MSD2_201702270359	Lead Total ICAP/MS	2.0	20	23.3	ug/L	106	(70-130)	20	0.43
<b>ICPMS Metals by EPA 200.8</b>									
<b>Analytical Batch: 974011</b>					<b>Analysis Date: 02/28/2017</b>				
LCS1	Lead Total ICAP/MS		20	19.5	ug/L	98	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.6	ug/L	98	(85-115)	20	0.51
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.494	ug/L	99	(50-150)		
MS_201702270375	Lead Total ICAP/MS	0.56	20	21.5	ug/L	105	(70-130)		
MS2_201702270385	Lead Total ICAP/MS	1.2	20	22.6	ug/L	107	(70-130)		
MSD_201702270375	Lead Total ICAP/MS	0.56	20	21.9	ug/L	107	(70-130)	20	1.8
MSD2_201702270385	Lead Total ICAP/MS	1.2	20	22.4	ug/L	106	(70-130)	20	0.89
<b>ICPMS Metals by EPA 200.8</b>									
<b>Analytical Batch: 974012</b>					<b>Analysis Date: 02/28/2017</b>				
LCS1	Lead Total ICAP/MS		20	19.5	ug/L	98	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.5	ug/L	98	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.487	ug/L	97	(50-150)		
MS_201702270497	Lead Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)		
MS2_201702270705	Lead Total ICAP/MS	ND	20	21.5	ug/L	108	(70-130)		
MSD_201702270497	Lead Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)	20	0.48
MSD2_201702270705	Lead Total ICAP/MS	ND	20	21.2	ug/L	106	(70-130)	20	1.4

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.