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Tel: (626) 386-1100  
Fax: (626) 386-1101  
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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: 641609  
Project: FTTHOMAS-UD  
ADHS License #: AZ0778  
Group: Fort Thomas Elementary  
PO#: School  
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 HCO3	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 CO3	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-CLO2 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-SiO2 C	x	x	
Sulfide	SM 4500-S <sup>-</sup> D		x	
Sulfite	SM 4500-SO <sup>3</sup> 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 #: 641609  
Project: FTTHOMAS-UD  
Sample Group: Fort Thomas Elementary 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 **1136**. 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>201702270359</u>	1001 (1) Sample Type: Drinking Fountain Facility ID: Elementary Sample Point ID: Hall Outside Cafeteria @ICPMS Freight - Outbound Freight - Return	02/14/2017 0600
<u>201702270360</u>	1001 (2) Sample Type: Drinking Fountain Facility ID: Elementary Sample Point ID: Cafeteria @ICPMS	02/14/2017 0600
<u>201702270361</u>	1002 Sample Type: Drinking Fountain Facility ID: Elementary Sample Point ID: No Wing Hallway by Rest Rooms @ICPMS	02/14/2017 0600
<u>201702270362</u>	1003 Sample Type: Drinking Fountain Facility ID: Elementary Admin Sample Point ID: Hall by Bathroom @ICPMS	02/14/2017 0600
<u>201702270363</u>	1004 Sample Type: Tap Facility ID: Elementary Sample Point ID: 2nd Grade @ICPMS	02/14/2017 0600
<u>201702270364</u>	1005 (1) Sample Type: Tap Facility ID: Cafeteria Sample Point ID: Cafeteria (Kitchen) @ICPMS	02/14/2017 0600
<u>201702270365</u>	1005 (2) Sample Type: Tap Facility ID: Cafeteria (Bathrooms) Sample Point ID: Men's Bathroom @ICPMS	02/14/2017 0600
<u>201702270366</u>	1006	02/14/2017 0600

## Acknowledgement of Samples Received

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1110 West Washington Street  
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Sample #	Sample ID	Sample Date
	Sample Type: Drinking Fountain Facility ID: Gym Sample Point ID: Gym <div>@ICPMS</div>	

### Test Description

@ICPMS -- ICPMS Metals

**Collection Log**  
*for experienced sample collectors*

641609

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	FORT Thomas Unified School Dist
School Name	Fort Thomas Elementary
Building (name/number)	Elementary
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Hall outside cafeteria
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1001 (1)
Date of Collection	2/14/17
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 11:36
Signature	MAV EEA-MAN
Notes: 11.8 °C	

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*

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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 Elementary
Building (name/number)	Elementary
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Cafeteria
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1001 (2)
Date of Collection	2/14/17
Time of Collection	6:00 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 11:36
Signature	MAU OBA-MON
Notes: 11.8 °C	

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	Fort Thomas Unified
School Name	Ft Thomas Elementary No. Wing
Building (name/number)	Elementary
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	No. Wing hallway by Rest Rooms
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1002
Date of Collection	2/14/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Cesterling
Signature Sample Collector	<i>Russ Cesterling</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 11:36
Signature	MAU BBA-MON
Notes: 11.8 °C	

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 Elementary
Building (name/number)	Elementary Admin
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Hall by Bathroom
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1003
Date of Collection	2/14/17
Time of Collection	6:00
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 11:36
Signature	MAU OBA-MAN
Notes:  11.8 °C	

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	Fort Thomas Unified
School Name	Ft Thomas Elementary
Building (name/number)	Elementary
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	2nd Grade
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1004
Date of Collection	2/14/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Deserling
Signature Sample Collector	Russ Deserling

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

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 11:36
Signature	MAU E.A. Man
Notes: 11.8 °C	

For relinquishing samples upon delivery to labs only

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

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6

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	Fort Thomas Unified
School Name	FT Thomas Elementary
Building (name/number)	Cafeteria
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain Tap
Location of Fixture (example, room number)	Cafeteria (Kitchen)
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1005 (1)
Date of Collection	2/14/17
Time of Collection	6:00 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 11:36
Signature	MAU OBA, MON
Notes: 11.8 °C	

For relinquishing samples upon delivery to labs only

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

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## 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 Elementary
Building (name/number)	Cafeteria (BATH ROOMS)
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Men's Bathroom
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1005 (2)
Date of Collection	2/14/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Osterling
Signature Sample Collector	<i>Russ Osterling</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 11:36
Signature	MAJ DEB. MON
Notes: 11.8 °C	

For relinquishing samples upon delivery to labs only

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

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## 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	H Thomas Unified
School Name	H Thomas Elementary
Building (name/number)	Gym
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Gym
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	1006
Date of Collection	2/14/17
Time of Collection	6:00 AM
Printed Name of Sample Collector	Russ Oesterling
Signature Sample Collector	Russ Oesterling

Notes Sample collector:

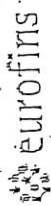
For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	2-27-17 11:36
Signature	MAU JBA-MUN
Notes:  11.8 °C	

For relinquishing samples upon delivery to labs only

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

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Eaton Analytical

# INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number

SAMPLE TEMP RECEIVED:

IR Gun ID = 461A (Observation = 12.1 °C) (Corr. Factor = -3.3 °C) (Final = 11.8 °C)

SAMPLES REC'D DAY OF COLLECTION? ☐

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, ≤ 6°C, not frozen (NELAP) (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 quadrants

1 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)	2 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)
3 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)	4 = (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)

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

522: (Observation = \_\_\_\_\_ °C) (Corr. Factor = \_\_\_\_\_ °C) (Final = \_\_\_\_\_ °C)

Notes: If received within 48 hours of sample collection (not the same business day); ≤ 10°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/Crypto: (Observation = \_\_\_\_\_ °C) (Corr. Factor = \_\_\_\_\_ °C) (Final = \_\_\_\_\_ °C)

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

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

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

TIME

DATE

COMPANY/TITLE

SIGNATURE

PRINT NAME

Eurofins Eaton Analytical

RECEIVED BY:

MAN

7-27-17

11:36

Page \_\_\_\_ of \_\_\_\_

EUROFINS EATON ANALYTICAL  
750 ROYAL OAKS DR  
MONROVIA, CA 91016-6356-99

1105-1590  
ETP:19  
2D:MR:100Y  
720479461800



**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 #: 158524 

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

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

Client ID: ADEQ-LEAD  
Project Code: FTTHOMAS-UD Bottle Orders  
Group Name: Fort Thomas Elementary School  
PO#/JOB#:

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

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

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

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

**Comments**

Fort Thomas Elementary School - Include Fort Thomas Unified School District Sample list, 11 Lead Sampling Plan Records, packing instructions for return shipment to Eurofins Eaton Analytical, Inc. 750 Royal Oaks Drive, Suite C, Monrovia, CA 91016. 11 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.

## 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	
School Name	
Building (name/number)	
Type of Fixture (tap, drinking fountain etc.)	
Location of Fixture (example, room number)	
Sample Identification Number ( <b><u>Write the number here and on sample container</u></b> )	
Date of Collection	
Time of Collection	
Printed Name of Sample Collector	
Signature Sample Collector	

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.*

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*for experienced sample collectors*

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Printed Name of Sample Collector	
Signature Sample Collector	

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 \_\_\_\_\_

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Signature Sample Collector	

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.*

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

**Laboratory Comments**  
**Report: 641609**

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

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

**Laboratory Hits  
 Report: 641609**

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

Samples Received on:  
 02/27/2017 1136

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	<b>201702270359</b>	<b><u>1001 (1)</u></b>				
02/28/2017 19:31	Lead Total ICAP/MS		2.0	15	ug/L	0.5
	<b>201702270360</b>	<b><u>1001 (2)</u></b>				
02/28/2017 19:37	Lead Total ICAP/MS		1.7	15	ug/L	0.5
	<b>201702270361</b>	<b><u>1002</u></b>				
02/28/2017 19:38	Lead Total ICAP/MS		0.78	15	ug/L	0.5
	<b>201702270362</b>	<b><u>1003</u></b>				
02/28/2017 19:39	Lead Total ICAP/MS		0.91	15	ug/L	0.5
	<b>201702270363</b>	<b><u>1004</u></b>				
02/28/2017 19:41	Lead Total ICAP/MS		5.9	15	ug/L	0.5
	<b>201702270364</b>	<b><u>1005 (1)</u></b>				
02/28/2017 19:42	Lead Total ICAP/MS		2.2	15	ug/L	0.5
	<b>201702270365</b>	<b><u>1005 (2)</u></b>				
02/28/2017 19:43	Lead Total ICAP/MS		5.9	15	ug/L	0.5
	<b>201702270366</b>	<b><u>1006</u></b>				
02/28/2017 19:44	Lead Total ICAP/MS		0.70	15	ug/L	0.5

**SUMMARY OF POSITIVE DATA ONLY**



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Laboratory Data  
Report: 641609

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

Samples Received on:  
02/27/2017 1136

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<b>1001 (1) (201702270359)</b>						<b>Sampled on 02/14/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: Elementary Sample Point ID: Hall Outside Cafeteria									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:31	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	2.0	ug/L	0.5	1
<b>1001 (2) (201702270360)</b>						<b>Sampled on 02/14/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: Elementary Sample Point ID: Cafeteria									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:37	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	1.7	ug/L	0.5	1
<b>1002 (201702270361)</b>						<b>Sampled on 02/14/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: Elementary Sample Point ID: No Wing Hallway by Rest Rooms									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:38	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	0.78	ug/L	0.5	1
<b>1003 (201702270362)</b>						<b>Sampled on 02/14/2017 0600</b>			
Sample Type: Drinking Fountain Facility ID: Elementary Admin Sample Point ID: Hall by Bathroom									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:39	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	0.91	ug/L	0.5	1
<b>1004 (201702270363)</b>						<b>Sampled on 02/14/2017 0600</b>			
Sample Type: Tap Facility ID: Elementary Sample Point ID: 2nd Grade									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:41	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	5.9	ug/L	0.5	1
<b>1005 (1) (201702270364)</b>						<b>Sampled on 02/14/2017 0600</b>			
Sample Type: Tap Facility ID: Cafeteria Sample Point ID: Cafeteria (Kitchen)									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:42	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	2.2	ug/L	0.5	1
<b>1005 (2) (201702270365)</b>						<b>Sampled on 02/14/2017 0600</b>			
Sample Type: Tap Facility ID: Cafeteria (Bathrooms) Sample Point ID: Men's Bathroom									
<b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:43	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	5.9	ug/L	0.5	1
<b>1006 (201702270366)</b>						<b>Sampled on 02/14/2017 0600</b>			

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

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**Laboratory Data**  
**Report: 641609**

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

Samples Received on:  
 02/27/2017 1136

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Drinking Fountain Facility ID: Gym Sample Point ID: Gym <b>EPA 200.8 - ICPMS Metals</b>									
02/27/17	02/28/17 19:44	973740	974009	(EPA 200.8)	Lead Total ICAP/MS	0.70	ug/L	0.5	1

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Arizona Department of Environmental Quality

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**ICPMS Metals**

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

201702270359	1001 (1)
201702270360	1001 (2)
201702270361	1002
201702270362	1003
201702270363	1004
201702270364	1005 (1)
201702270365	1005 (2)
201702270366	1006

**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

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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

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.