eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ACLASS ACCREDITED TESTING AT-1807

Laboratory Report

for

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

Date of Issue
05/17/2017

Eurofins Eaton Analytical

NELAP ACCREDITED TNI LABORATORY
ORELAP 4034

TDF: Thomas.D.French

Project Manager

Report:660114
Project:COLORADOCITY-UD
ADHS License #:AZ0778
Group:El Capitan 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
Arizona	AZ0778	**Montana**	Cert 0035
Arkansas	Certified	**Nebraska**	Certified
California-Monrovia-ELAP	2813	**Nevada**	CA00006-2016
California-Colton- ELAP	2812	**New Hampshire ***	2959
California-Folsom- ELAP	2820	**New Jersey ***	CA 008
California-Fresno- ELAP	2966	**New Mexico**	Certified
Colorado	Certified	**New York ***	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida *	E871024	**Oregon (Primary AB) ***	**ORELAP 4034**
Georgia	947	**Pennsylvania ***	68-565
Guam	16-003r	**Puerto Rico**	Certified
Hawaii	Certified	**Rhode Island**	LAO00326
Idaho	Certified	**South Carolina**	87016
Illinois *	200033	**South Dakota**	Certified
Indiana	C-CA-01	**Tennessee**	TN02839
Kansas *	E-10268	**Texas ***	T104704230-15-9
Kentucky	90107	**Utah ***	CA000062016-10
Louisiana *	LA16003	**Vermont**	VT0114
Maine	CA0006	**Virginia ***	460260
Maryland	224	**Washington**	C838
Commonwealth of Northern Marianas Is.	MP0004	**Wyoming**	Certified
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	Environ-mental (Drinking Water)	Environ-mental (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/DBCP 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	Environ-mental (Drinking Water)	Environ-mental (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-$S^{=}$ D		x	
Sulfite	SM 4500-SO^3B	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

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Acknowledgement of Samples Received

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

Client ID: ADEQ-LEAD
Folder #: 660114
Project: COLORADOCITY-UD
Sample Group: El Capitan High School

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

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

The following samples were received from you on **May 15, 2017** at **1225**. 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
201705150381	Tech 1	05/11/2017 0700

Sample Type: Drinking Fountain
Facility ID: Tech Building
Sample Point ID: Main Entrance

@ICPMS	Freight - Outbound	Freight - Return

201705150382	Main Aud 1	05/11/2017 0700

Sample Type: Drinking Fountain
Facility ID: Main Campus
Sample Point ID: Auditorium Hall

@ICPMS

Test Description

@ICPMS -- ICPMS Metals

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (626) 386-1101 www.EurofinsUS.com/Eaton

Collection Log

for experienced sample collectors

66014

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	Colorado City Unified School #14
School Name	EL Capitan
Building (name/number)	Tech Building
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Main entrance
Sample Identification Number (**Write this number on the sample container and on this sheet**)	Tech 1
Date of Collection	5-11-17
Time of Collection	7:00 AM
Printed Name of Sample Collector	Mark Berg
Signature Sample Collector	Mark Berg

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/15/17 12:25
Signature	[illegible]
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

#14

Name of School District	Colorado City Unified School
School Name	EL Capitan
Building (name/number)	Main Campus
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Auditorium Hall
Sample Identification Number (**Write this number on the sample container and on this sheet**)	Main Aud 1
Date of Collection	May 11th 2017
Time of Collection	7:00 AM
Printed Name of Sample Collector	Mark Berg
Signature Sample Collector	[signature]

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/15/17 12:25
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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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

Note: Sampler Please return this paper with your samples

Kit #: 169563

Created By: Thomas.D.French - [TDF]
Deliver By: 05/11/2017
STG: Bottle Orders
Ice Type: W

Client ID: ADEQ-LEAD
Project Code: COLORADOCITY-UD Bottle Orders
Group Name: No Schedule
PO#/JOB#: ADEQ16-116686:3

Ship Sample Kits to
Colorado City Unified District
325 North Cottonwood Street
Colorado City, AZ 86021

Attn: Mark Berg

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 #
2	@ICPMS	1 - 250ml poly [no preservative]	

Comments

El Capitan High School - Include Colorado City Unified District Full Sample list,2 Lead Sampling Plan Records, packing instructions for return shipment to Eurofins Eaton Analytical, Inc. 750 Royal Oaks Drive, Suite C, Monrovia, CA 91016. 2 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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INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 660114

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 570A (Observation= 20.3 °C) (Corr.Factor -0.1 °C) (Final = 20.2 °C)

TYPE OF ICE: Real ____ Synthetic ____ No Ice X

CONDITION OF ICE: Frozen ____ Partially Frozen ____ Thawed ____ N/A X

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____ ON TRAC ____ DCS ____

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

≤10°C if received within 48 hours of sample collection (not the same business day); ≤6°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)

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

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	[signature]	Chris Avila	Eurofins Eaton Analytical	5/17/17	12:25

Attn:	District	School
Mark Berg	Colorado city Unified District	El Capitan High School

address	Number of buildings	Year Built
325 N Cottonwood St., Colorado City, AZ, 86021	2	2002

# of Sample Bottle Needed
2

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Laboratory Comments

Report: 660114
Project: COLORADOCITY-UD
Group: El Capitan High School

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

The Comments Report may be blank if there are no comments for this report.

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Laboratory Hits

Report: 660114
Project: COLORADOCITY-UD
Group: El Capitan High School

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

Samples Received on:
05/15/2017 1225

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201705150382	**Main Aud 1**				
05/16/2017 12:18	Lead Total ICAP/MS		2.2	15	ug/L	0.5

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data

Report: 660114
Project: COLORADOCITY-UD
Group: El Capitan High School

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

Samples Received on:
05/15/2017 1225

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Tech 1 (201705150381)							**Sampled on 05/11/2017 0700**		
Sample Type: Drinking Fountain									
Facility ID: Tech Building									
Sample Point ID: Main Entrance									
EPA 200.8 - ICPMS Metals									
05/16/17	05/16/17 12:14	995022	995182	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
Main Aud 1 (201705150382)							**Sampled on 05/11/2017 0700**		
Sample Type: Drinking Fountain									
Facility ID: Main Campus									
Sample Point ID: Auditorium Hall									
EPA 200.8 - ICPMS Metals									
05/16/17	05/16/17 12:18	995022	995182	(EPA 200.8)	Lead Total ICAP/MS	2.2	ug/L	0.5	1

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

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Laboratory QC Summary

Report: 660114
Project: COLORADOCITY-UD
Group: El Capitan High School

Arizona Department of Environmental Quality

ICPMS Metals

Prep Batch: 995022 **Analytical Batch: 995182** **Analysis Date: 05/16/2017**

201705150381	Tech 1	Analyzed by: DTN
201705150382	Main Aud 1	Analyzed by: DTN

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Tel: (626) 386-1100
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Laboratory QC

Report: 660114
Project: COLORADOCITY-UD
Group: El Capitan High School

Arizona Department of Environmental Quality

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
ICPMS Metals by EPA 200.8									
Analytical Batch: 995182							**Analysis Date: 05/16/2017**		
LCS1	Lead Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.2	ug/L	101	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.505	ug/L	101	(50-150)		
MS_201705150381	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MS2_201705150411	Lead Total ICAP/MS	0.55	20	22.4	ug/L	109	(70-130)		
MSD_201705150381	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)	20	0.0
MSD2_201705150411	Lead Total ICAP/MS	0.55	20	22.4	ug/L	109	(70-130)	20	0.0

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.