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AT-1807

Laboratory Report

for

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

Date of Issue
03/14/2017



Eurofins Eaton
Analytical

TDF: Thomas.D.French
Project Manager



ORELAP 4034

Report: 644380
Project: NOGALES-USD
ADHS License #: AZ0778
Group: Mary Welty 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 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 ⁻ D		x	
Sulfite	SM 4500-SO ³ 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 #: 644380
Project: NOGALES-USD
Sample Group: Mary Welty School

Project Manager: Thomas.D.French
Phone: (480) 778-1558
PO #: ADEQ16-116686:3
Sampler: Alex Martinez/Cesar Valdez

The following samples were received from you on **March 10, 2017** at **1431**. 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>201703100614</u>	003419	03/08/2017 0532
	Sample Type: Drinking Fountain Facility ID: Restroom Building Sample Point ID: Hall Way	
	@ICPMS	Freight - Outbound
		Freight - Return
<u>201703100615</u>	003421	03/08/2017 0607
	Sample Type: Drinking Fountain Facility ID: Building #5 Sample Point ID: Room 504	
	@ICPMS	
<u>201703100619</u>	003436	03/08/2017 0533
	Sample Type: Drinking Fountain Facility ID: Administration Building Sample Point ID: Administration Hall	
	@ICPMS	
<u>201703100620</u>	003473	03/08/2017 0612
	Sample Type: Tap Facility ID: Building #8 Sample Point ID: Room #805	
	@ICPMS	
<u>201703100621</u>	003785	03/08/2017 0609
	Sample Type: Drinking Fountain Facility ID: Building 4 Sample Point ID: Classroom 400	
	@ICPMS	
<u>201703100622</u>	003795	03/08/2017 0559
	Sample Type: Tap Facility ID: Not Provided Sample Point ID: Classroom 200	
	@ICPMS	
<u>201703100623</u>	003843	03/08/2017 0605
	Sample Type: Drinking Fountain Facility ID: Building 2 Sample Point ID: Room Entrance #305	
	@ICPMS	
<u>201703100624</u>	004020	03/08/2017 0530

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Sample #	Sample ID	Sample Date
	Sample Type: Drinking Fountain Facility ID: Administration Sample Point ID: Administration @ICPMS	
201703100625	003416	03/08/2017 0603
	Sample Type: Drinking Fountain Facility ID: Building 3 Sample Point ID: Classroom 305 entrance @ICPMS	
201703100626	003417	03/08/2017 0600
	Sample Type: Tap Facility ID: 1010-2 Sample Point ID: Classroom 200 @ICPMS	
201703100627	003418	03/08/2017 0533
	Sample Type: Drinking Fountain Facility ID: 1001-1 Sample Point ID: Restroom Bld Hallway @ICPMS	
201703100628	003457	03/08/2017 0539
	Sample Type: Tap Facility ID: 1003-2 Sample Point ID: Cafeteria @ICPMS	
201703100629	003820	03/08/2017 0538
	Sample Type: Tap Facility ID: 1003-1 Sample Point ID: Cafeteria (kitchen) @ICPMS	
201703100630	003930	03/08/2017 0614
	Sample Type: Drinking Fountain Facility ID: Building 8 Sample Point ID: Classroom 803 @ICPMS	

Test Description

@ICPMS -- ICPMS Metals

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Sample #	Sample ID	Sample Date
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Collection Log
for experienced sample collectors

644380

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	Nogales Unified School
School Name	Mary Weitz
Building (name/number)	Restroom Building
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	hall way
Sample Identification Number (<u>Write the number here and on sample container</u>)	003419
Date of Collection	3-8-2017
Time of Collection	5:32 AM
Printed Name of Sample Collector	Alex Montaner
Signature Sample Collector	Alex Montaner

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	370-17 14:31
Signature	MRV
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

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Name of School District	Nogales Unified School
School Name	Mary Weitz
Building (name/number)	Building #5
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	Room 504
Sample Identification Number (<u>Write the number here and on sample container</u>)	003421
Date of Collection	3-8-2017
Time of Collection	6:07
Printed Name of Sample Collector	Alex Montano
Signature Sample Collector	<i>Alex Montano</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	<i>MR</i>
Notes:	

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	Nogales Unified School
School Name	Mary Weitz
Building (name/number)	Administration Building
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	Administration Hall
Sample Identification Number (<u>Write the number here and on sample container</u>)	003436
Date of Collection	3-8-2017
Time of Collection	5:33 AM
Printed Name of Sample Collector	Alex Montañez
Signature Sample Collector	<i>Alex Montañez</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	MNV
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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Collection Log

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Name of School District	Nogales Unified School Dist
School Name	Mary Weir
Building (name/number)	Building # 8
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Room # 805
Sample Identification Number (<u>Write the number here and on sample container</u>)	003473
Date of Collection	3-8-2017
Time of Collection	6:12 - AM
Printed Name of Sample Collector	Alex Montañez
Signature Sample Collector	Alex Montañez

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	mpv
Notes:	

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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Name of School District	Nogales Unified School Dist
School Name	Mary Welly
Building (name/number)	Building 4
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	class room 400
Sample Identification Number (<u>Write the number here and on sample container</u>)	003785
Date of Collection	3-8-2017
Time of Collection	6:09 AM
Printed Name of Sample Collector	Alex Montañez
Signature Sample Collector	<i>Alex Montañez</i>

Notes Sample collector:

For Lab use only		
Analyze this drinking water sample for lead		
Date and Time Lab received	3-10-17	14:31
Signature		MKV
Notes:		

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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Name of School District	Nogales Unified School Dist
School Name	Mary Weity
Building (name/number)	
Type of Fixture (tap, drinking fountain etc.)	tap
Location of Fixture (example, room number)	class room 200
Sample Identification Number (<u>Write the number here and on sample container</u>)	003795
Date of Collection	3-8-2017
Time of Collection	5:59 - 1AM
Printed Name of Sample Collector	Alex Montano
Signature Sample Collector	<i>Alex Montano</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	<i>mu</i>
Notes:	

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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Name of School District	Nogales Unified School
School Name	Mary Weity
Building (name/number)	Building 2
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	Room entrance #305
Sample Identification Number (<u>Write the number here and on sample container</u>)	003843
Date of Collection	3-8-2017
Time of Collection	6:05 AM
Printed Name of Sample Collector	Alex Montaner
Signature Sample Collector	Alex Montaner

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	M&V
Notes:	

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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Name of School District	Nogales Unified School Dist
School Name	Mary WEITY
Building (name/number)	Administration
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	Administration
Sample Identification Number (<u>Write the number here and on sample container</u>)	004020
Date of Collection	3-8-2017
Time of Collection	5:30 - AM
Printed Name of Sample Collector	Alex Montaner
Signature Sample Collector	<i>Alex Montaner</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	MAV
Notes:	

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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Name of School District	Nogales Unified School District
School Name	Mary L. Welty
Building (name/number)	Building 3
Type of Fixture (tap, drinking fountain etc.)	Drinking fountain
Location of Fixture (example, room number)	Classroom 305 entrance
Sample Identification Number (<u>Write the number here and on sample container</u>)	003416
Date of Collection	3-8-17
Time of Collection	6:03 AM
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	<i>Cesar Valdez</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	<i>MAN</i>
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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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	Nogales Unified School District
School Name	Mary L. Welby
Building (name/number)	1010-2
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Classroom 200
Sample Identification Number (<u>Write the number here and on sample container</u>)	003417
Date of Collection	3-8-17
Time of Collection	6:00 PM
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	<i>Cesar Valdez</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	MAN
Notes:	

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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Name of School District	Nogales Unified School District
School Name	Mary L. Welty
Building (name/number)	1001-1
Type of Fixture (tap, drinking fountain etc.)	Restroom Bld. Hall Drinking fountain
Location of Fixture (example, room number)	Restroom Bld. Hallway
Sample Identification Number (<u>Write the number here and on sample container</u>)	003418
Date of Collection	3-8-17
Time of Collection	5:33 AM
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	<i>Cesar Valdez</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3:10:17 14:31
Signature	MAV
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

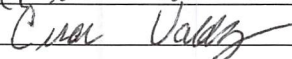
These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log


for experienced sample collectors

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

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

Name of School District	Nogales Unified School District
School Name	Mary L. Welty
Building (name/number)	1003-2
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Cafeteria
Sample Identification Number (<u>Write the number here and on sample container</u>)	003457
Date of Collection	3-8-17
Time of Collection	5:39 Am
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

Collection Log

for experienced sample collectors

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

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

Name of School District	Nogales Unified School District
School Name	Mary L. Welty
Building (name/number)	1003-1
Type of Fixture (tap, drinking fountain etc.)	tap
Location of Fixture (example, room number)	Cafeteria (Kitchen)
Sample Identification Number (Write the number here and on sample container)	003820
Date of Collection	3-8-17
Time of Collection	5:38 Am
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	Cesar Valdez

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	MAV
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

Collection Log

for experienced sample collectors

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

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

Name of School District	Nogales Unified School District
School Name	Mary L. Welty
Building (name/number)	Building 8
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Classroom 803
Sample Identification Number (<u>Write the number here and on sample container</u>)	003930
Date of Collection	3-8-17
Time of Collection	6:14 Am
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	Cesar Valdez

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	MAV
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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

Collection Log

for experienced sample collectors

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

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

Name of School District	Nogales Unified School District
School Name	Mark L. Welty
Building (name/number)	Building 1
Type of Fixture (tap, drinking fountain etc.)	(No source of water)
Location of Fixture (example, room number)	MUSIC ROOM
Sample Identification Number (<u>Write the number here and on sample container</u>)	003410
Date of Collection	No source of water
Time of Collection	
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	<i>Cesar Valdez</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-10-17 14:31
Signature	<i>MAN</i>
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

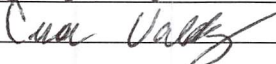
These samples were collected for lead screening purposes only and cannot be used for compliance.

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	Nogales Unified School District
School Name	Mary L. Welty
Building (name/number)	Building 1
Type of Fixture (tap, drinking fountain etc.)	No source of water
Location of Fixture (example, room number)	Music room
Sample Identification Number (Write the number here and on sample container)	004021
Date of Collection	No source of water
Time of Collection	
Printed Name of Sample Collector	Cesar Valdez
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3/10/17 14:31
Signature	M. V.
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.

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

Kit #: 159229



Created By: Thomas.D.French - [TDF]
Deliver By: 02/17/2017

STG: Bottle Orders

Ice Type: W

Note: Sampler Please return this paper with your samples

Client ID: ADEQ-LEAD
Project Code: NOGALES-USD Bottle Orders
Group Name: Mary Welty School
PO#/JOB#:

Ship Sample Kits to
Nogales Unified School District
610 W. Western Avenue
Nogales, AZ 85621

Attn: Ricardo De La Riva
Phone: (520) 287-0800

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

16

@ICPMS

Bottle Qty - Type [preservative information]

1 - 250ml poly [no preservative]

UN DOT #

Comments

Mary Welty School. Include Nogales Unified District School-Specific Sample list, 16 Lead Sampling Plan Records, packing instructions for return shipment to Eurofins Eaton Analytical, Inc. 750 Royal Oaks Drive, Suite C, Monrovia, CA 91016. 16 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

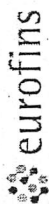
Date Shipped

Via

Tracking #

of Coolers

Prepared By



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

SAMPLE TEMP RECEIVED:

IR Gun ID = 5704 (Observation = 23.0 °C) (Corr. Factor -1 °C) (Final = 22.9 °C)

SAMPLES REC'D DAY OF COLLECTION? ☐

TYPE OF ICE: Real ☒ Synthetic ☐ No Ice ☒

CONDITION OF ICE: Frozen ☐ Partially Frozen ☐ Thawed ☒

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)
(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); ≤ 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.

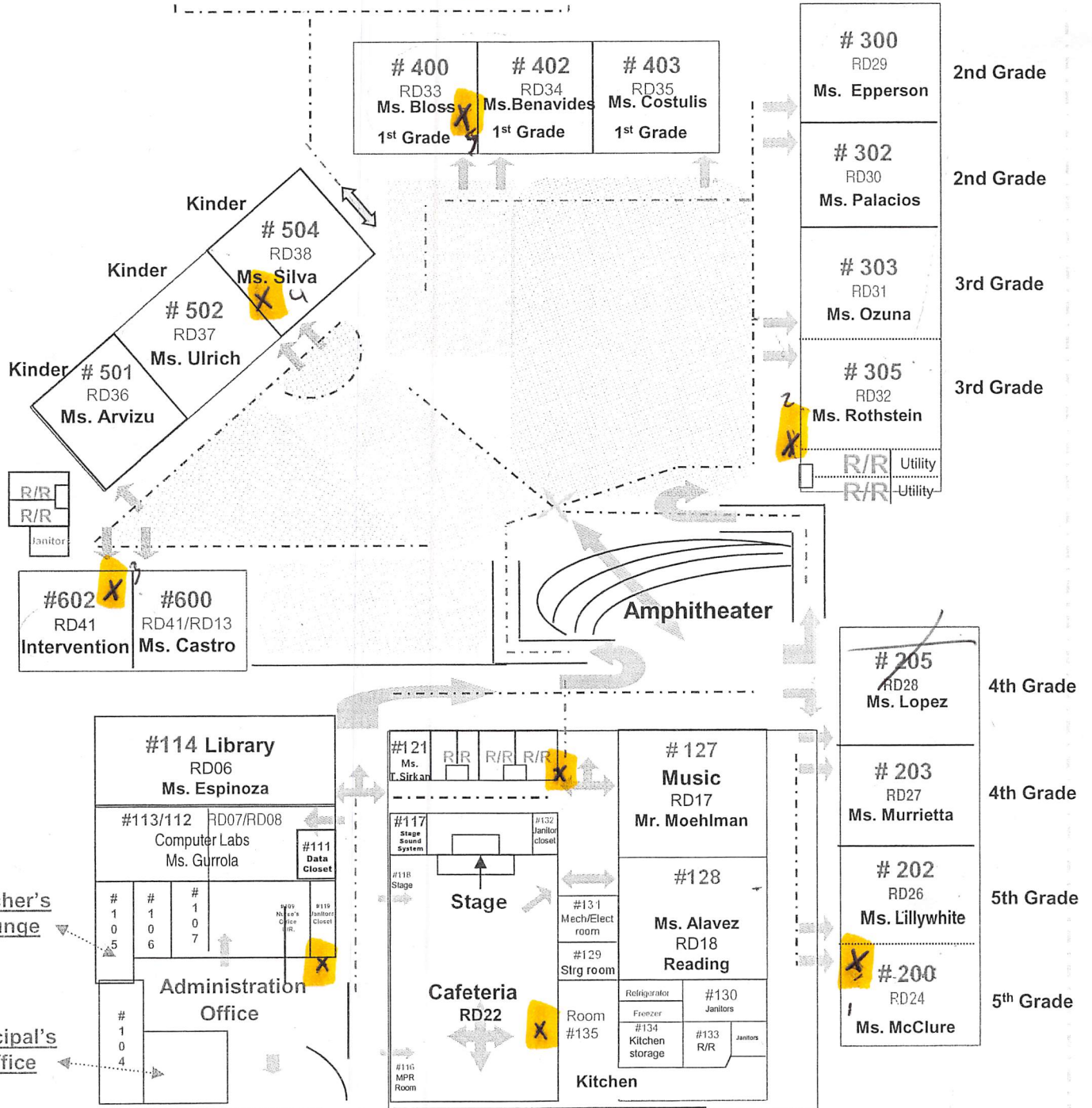
RECEIVED BY: <u>MAC</u>	PRINT NAME: <u>MAC</u>	COMPANY/TITLE: Eurofins Eaton Analytical	DATE: <u>3-10-17</u>	TIME: <u>14:31</u>
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TRK# 7204 7946 2965

Highlighted area are source location

**Mary L. Welty
Elementary
School**

Parking Lot
Teacher



Entrance To
Mary L. Welty Office

ACCESS TO PARKING LOT
FOR TEACHERS

Nogales Unified District	Mary Welty School	1001	Restroom Bldg.	Z Drinking fountain Restroom	1974	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1002	Port A	Drinking fountain Admin/Classrooms	1972	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1003	Port B (Retired)	Sink Cafeteria (Retired)	1972	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1004	Port C (Retired)	Nowater Music (Retired)	1972	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1010	Port I (Retired)	Classrooms (Retired)	1984	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1011	Port J	Drinking fountain Classrooms	1994	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1012	Building 2	Drinking fountain Classrooms	2004	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1013	Building	Drinking fountain Classrooms	2004	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1014	Building 4	Drinking fountain Classrooms	2004	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X
Nogales Unified District	Mary Welty School	1015	Building 5	Sink Drinking fountain Classrooms	2004	1050 W Cimarron St	Nogales	85621-	Santa Cruz	X

Nogales Unified District	Mary Welty School	7 10	Building 6	Drinking Fountain Classrooms	2004	1050 W Cimarron St	Nogales	85621-	Santa Cruz	1
Total Containers										16

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.

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

Laboratory Comments
Report: 644380

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

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

Laboratory Hits
Report: 644380

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

Samples Received on:
03/10/2017 1431

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
03/12/2017 15:44	Lead Total ICAP/MS	201703100615 <u>003421</u>	1.0	15	ug/L	0.5
03/12/2017 15:52	Lead Total ICAP/MS	201703100621 <u>003785</u>	2.1	15	ug/L	0.5
03/12/2017 15:53	Lead Total ICAP/MS	201703100622 <u>003795</u>	0.92	15	ug/L	0.5
03/12/2017 15:54	Lead Total ICAP/MS	201703100623 <u>003843</u>	1.1	15	ug/L	0.5
03/12/2017 15:56	Lead Total ICAP/MS	201703100625 <u>003416</u>	1.0	15	ug/L	0.5
03/12/2017 15:56	Lead Total ICAP/MS	201703100626 <u>003417</u>	0.71	15	ug/L	0.5
03/12/2017 15:58	Lead Total ICAP/MS	201703100628 <u>003457</u>	2.7	15	ug/L	0.5
03/12/2017 15:59	Lead Total ICAP/MS	201703100629 <u>003820</u>	0.58	15	ug/L	0.5
03/12/2017 16:03	Lead Total ICAP/MS	201703100630 <u>003930</u>	2.2	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: 644380

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

Samples Received on:
03/10/2017 1431

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
003419 (201703100614)						Sampled on 03/08/2017 0532			
Sample Type: Drinking Fountain Facility ID: Restroom Building Sample Point ID: Hall Way									
EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:43	977520	977564	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
003421 (201703100615)						Sampled on 03/08/2017 0607			
Sample Type: Drinking Fountain Facility ID: Building #5 Sample Point ID: Room 504									
EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:44	977520	977564	(EPA 200.8)	Lead Total ICAP/MS	1.0	ug/L	0.5	1
003436 (201703100619)						Sampled on 03/08/2017 0533			
Sample Type: Drinking Fountain Facility ID: Administration Building Sample Point ID: Administration Hall									
EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:48	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
003473 (201703100620)						Sampled on 03/08/2017 0612			
Sample Type: Tap Facility ID: Building #8 Sample Point ID: Room #805									
EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:50	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
003785 (201703100621)						Sampled on 03/08/2017 0609			
Sample Type: Drinking Fountain Facility ID: Building 4 Sample Point ID: Classroom 400									
EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:52	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	2.1	ug/L	0.5	1
003795 (201703100622)						Sampled on 03/08/2017 0559			
Sample Type: Tap Facility ID: Not Provided Sample Point ID: Classroom 200									
EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:53	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	0.92	ug/L	0.5	1
003843 (201703100623)						Sampled on 03/08/2017 0605			
Sample Type: Drinking Fountain Facility ID: Building 2 Sample Point ID: Room Entrance #305									
EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:54	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	1.1	ug/L	0.5	1
004020 (201703100624)						Sampled on 03/08/2017 0530			

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

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

Laboratory Data
Report: 644380

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

Samples Received on:
03/10/2017 1431

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Drinking Fountain Facility ID: Administration Sample Point ID: Administration EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:55	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
003416 (201703100625)						Sampled on 03/08/2017 0603			
Sample Type: Drinking Fountain Facility ID: Building 3 Sample Point ID: Classroom 305 entrance EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:56	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	1.0	ug/L	0.5	1
003417 (201703100626)						Sampled on 03/08/2017 0600			
Sample Type: Tap Facility ID: 1010-2 Sample Point ID: Classroom 200 EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:56	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	0.71	ug/L	0.5	1
003418 (201703100627)						Sampled on 03/08/2017 0533			
Sample Type: Drinking Fountain Facility ID: 1001-1 Sample Point ID: Restroom Bld Hallway EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:57	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
003457 (201703100628)						Sampled on 03/08/2017 0539			
Sample Type: Tap Facility ID: 1003-2 Sample Point ID: Cafeteria EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:58	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	2.7	ug/L	0.5	1
003820 (201703100629)						Sampled on 03/08/2017 0538			
Sample Type: Tap Facility ID: 1003-1 Sample Point ID: Cafeteria (kitchen) EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 15:59	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	0.58	ug/L	0.5	1
003930 (201703100630)						Sampled on 03/08/2017 0614			
Sample Type: Drinking Fountain Facility ID: Building 8 Sample Point ID: Classroom 803 EPA 200.8 - ICPMS Metals									
03/11/17	03/12/17 16:03	977520	977567	(EPA 200.8)	Lead Total ICAP/MS	2.2	ug/L	0.5	1

Tel: (626) 386-1100
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Arizona Department of Environmental Quality

ICPMS Metals

Prep Batch: 977520 Analytical Batch: 977564

201703100614	003419
201703100615	003421

Analysis Date: 03/12/2017

Analyzed by: RPD
Analyzed by: RPD

ICPMS Metals

Prep Batch: 977520 Analytical Batch: 977567

201703100619	003436
201703100620	003473
201703100621	003785
201703100622	003795
201703100623	003843
201703100624	004020
201703100625	003416
201703100626	003417
201703100627	003418
201703100628	003457
201703100629	003820
201703100630	003930

Analysis Date: 03/12/2017

Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD
Analyzed by: RPD

Tel: (626) 386-1100
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Arizona Department of Environmental Quality

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
ICPMS Metals by EPA 200.8									
Analytical Batch: 977564					Analysis Date: 03/12/2017				
LCS1	Lead Total ICAP/MS		20	19.9	ug/L	100	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.8	ug/L	99	(85-115)	20	0.50
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.484	ug/L	97	(50-150)		
MS_201703100563	Lead Total ICAP/MS	0.50	20	21.8	ug/L	107	(70-130)		
MS2_201703100593	Lead Total ICAP/MS	0.87	20	22.3	ug/L	107	(70-130)		
MSD_201703100563	Lead Total ICAP/MS	0.50	20	21.8	ug/L	107	(70-130)	20	0.0
MSD2_201703100593	Lead Total ICAP/MS	0.87	20	22.0	ug/L	106	(70-130)	20	1.4
ICPMS Metals by EPA 200.8									
Analytical Batch: 977567					Analysis Date: 03/12/2017				
LCS1	Lead Total ICAP/MS		20	20.0	ug/L	100	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.8	ug/L	99	(85-115)	20	1.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.485	ug/L	97	(50-150)		
MS_201703100619	Lead Total ICAP/MS	ND	20	21.7	ug/L	109	(70-130)		
MS2_201703100629	Lead Total ICAP/MS	0.58	20	21.8	ug/L	106	(70-130)		
MSD_201703100619	Lead Total ICAP/MS	ND	20	21.5	ug/L	107	(70-130)	20	0.93
MSD2_201703100629	Lead Total ICAP/MS	0.58	20	22.2	ug/L	108	(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.