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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
04/02/2017



Eurofins Eaton
Analytical

TDF: Thomas.D.French
Project Manager



Report: 646932
Project: SOMERTON-ED
ADHS License #: AZ0778
Group: Somerton Middle 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	Environmental (Drinking Water)	Environmental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
Bicarbonate Alkalinity as HCO ₃	SM 2320B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO ₃	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO ₂ D	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1623	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli (MTF/EC+MUG)		x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DCBP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environmental (Drinking Water)	Environmental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	x		x
NDMA	TQ In house method based on EPA 521 (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	x		
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Semi-VOC	EPA 625		x	x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO ₂ 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 #: 646932
Project: SOMERTON-ED
Sample Group: Somerton Middle School

Project Manager: Thomas.D.French
Phone: (480) 778-1558
Sampler: Martin Velasco

The following samples were received from you on **March 23, 2017** at **1828**. 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
201703230570	000531 100-01	03/19/2017 1214
	Sample Type: Drinking Fountain, Hallway Facility ID: Administration Building Sample Point ID: Hallway	
	@ICPMS	Freight - Outbound
		Freight - Return
201703230571	000541 100-02	03/19/2017 1219
	Sample Type: Tap Facility ID: Pod "A" Classroom #205 Sample Point ID: Classroom #205	
	@ICPMS	
201703230572	000534 100-03	03/19/2017 1225
	Sample Type: Tap Facility ID: Pod B Sample Point ID: Classroom #215	
	@ICPMS	
201703230573	000854 100-04	03/19/2017 1229
	Sample Type: Tap Facility ID: Pod "C" Sample Point ID: Classroom #225	
	@ICPMS	
201703230574	000532 100-06	03/19/2017 1246
	Sample Type: Tap Facility ID: Pod E Sample Point ID: Classroom #244	
	@ICPMS	
201703230575	000535 100-07	03/19/2017 1251
	Sample Type: Tap Facility ID: Pod "F" Sample Point ID: Classroom #252	
	@ICPMS	
201703230576	000533 100-08	03/19/2017 1255
	Sample Type: Classroom Drinking Fountain Facility ID: Pod "F" Sample Point ID: Classroom #255	
	@ICPMS	
201703230577	004534 100-09	03/19/2017 1303
	Sample Type: Tap Facility ID: Pod "F" Sample Point ID: Classroom #259	

Acknowledgement of Samples Received

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Client ID: ADEQ-LEAD

Folder #: 646932

Project: SOMERTON-ED

Sample Group: Somerton Middle School

Attn: David Burchard
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Sample #	Sample ID	Sample Date
	@ICPMS	
201703230578	000540 100-10	03/19/2017 1313
	Sample Type: Kitchen Sink Facility ID: Kitchen, Kitchen Sink Sample Point ID: Next to Walk-in Fridge	
	@ICPMS	
201703230579	000536 100-11	03/19/2017 1323
	Sample Type: Tap Facility ID: P.E. Boys Lockers Sample Point ID: P.E. Boys Lockers	
	@ICPMS	
201703230580	000539 100-012	03/19/2017 1332
	Sample Type: Tap Facility ID: Multi Purpose III Sample Point ID: Classroom #263	
	@ICPMS	
201703230581	00058 100-013	03/19/2017 1343
	Sample Type: Tap Facility ID: Admin - Addition (AWC) Sample Point ID: AWC Conference	
	@ICPMS	

Test Description

@ICPMS -- ICPMS Metals

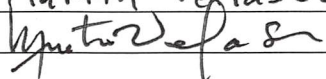
Collection Log

for experienced sample collectors

646932

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	Somerton School District #11	
School Name	Somerton Middle School	
Building (name/number)	Administration Building	
Type of Fixture (tap, drinking fountain etc.)	drinking fountain, Hallway	
Location of Fixture (example, room number)	Hallway	
Sample Identification Number (Write this number on the sample container and on this sheet)	000531	100-01
Date of Collection	03/19/17	
Time of Collection	12:14 PM	
Printed Name of Sample Collector	Martin Velasco	
Signature Sample Collector		

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	MAV
Notes: 19.3 °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.

Collection Log

for experienced sample collectors

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Name of School District	Somerton High School District # 11	
School Name	Somerton Middle School	
Building (name/number)	POD "A" Classroom # 205	
Type of Fixture (tap, drinking fountain etc.)	Tap	
Location of Fixture (example, room number)	Classroom # 205	
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000541	100-02
Date of Collection	03/19/17	
Time of Collection	12:19 PM	
Printed Name of Sample Collector	Martín Velasco	
Signature Sample Collector	Martín Velasco	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	MV
Notes: 19.3 °C	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

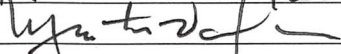
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Collection Log

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Name of School District	Somerton School District #11
School Name	Somerton Middle School
Building (name/number)	POD B
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	Classroom # 215
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000534 100-03
Date of Collection	03/19/17
Time of Collection	12:25 PM
Printed Name of Sample Collector	Martin Velasco
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	MAV
Notes:	19.3 °C

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	Somerton School Dist #11
School Name	Somerton Middle school
Building (name/number)	POD "C"
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	classroom # 225
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000 854 100 - 04
Date of Collection	03/19/17
Time of Collection	12:29 PM
Printed Name of Sample Collector	Martin Velasco
Signature Sample Collector	<i>[Signature]</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	<i>[Signature]</i>
Notes: 19.3 °C	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

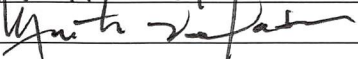
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Collection Log

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Name of School District	Somerton School Dist. # 11
School Name	Somerton Middle School
Building (name/number)	POD E
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	classroom # 244
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000532 100-06
Date of Collection	03/19/17
Time of Collection	12:46 PM
Printed Name of Sample Collector	Martin Velasco
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	MAV
Notes: 19.3 °C	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

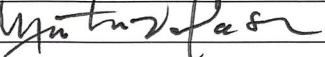
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Collection Log

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Name of School District	Somerton School Dist # 11	
School Name	Somerton Middle School	
Building (name/number)	Pod F"	
Type of Fixture (tap, drinking fountain etc.)	Tap	
Location of Fixture (example, room number)	Classroom # 252	
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000535	100-07
Date of Collection	03/19/17	
Time of Collection	12:51 PM	
Printed Name of Sample Collector	Martin Velasco	
Signature Sample Collector		

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	MKV
Notes: 19.3 °C	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

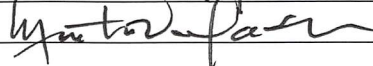
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Name of School District	Somerton School Dist # 11	
School Name	Somerton Middle School	
Building (name/number)	POD F "	
Type of Fixture (tap, drinking fountain etc.)	Classroom Drinking fountain	
Location of Fixture (example, room number)	Classroom # 255	
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000533	100-08
Date of Collection	03/19/17	
Time of Collection	12:55 PM	
Printed Name of Sample Collector	Martin Vasquez	
Signature Sample Collector		

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	
Notes: A.3 C	

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	Somerton School District #11	
School Name	Somerton Middle School	
Building (name/number)	POD F"	
Type of Fixture (tap, drinking fountain etc.)	Tap	
Location of Fixture (example, room number)	Classroom # 259	
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	004534	100-09
Date of Collection	03/19/17	
Time of Collection	1:03 PM	
Printed Name of Sample Collector	Martin Velasco	
Signature Sample Collector	Martin Velasco	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 19 18:28
Signature	MAV
Notes: 19.3 °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.

Collection Log

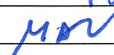
for experienced sample collectors

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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	Somerton School/District #11
School Name	Somerton School (Middle)
Building (name/number)	Kitchen, Kitchen Sink
Type of Fixture (tap, drinking fountain etc.)	Kitchen Sink
Location of Fixture (example, room number)	Next to walk-in-fridge
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000540 100-10
Date of Collection	03/19/17
Time of Collection	1:13 PM
Printed Name of Sample Collector	Martin Velasco
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	
Notes: 19.3 °C	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

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Name of School District	Somerton School Dist. # 11
School Name	Somerton Middle School
Building (name/number)	P. E Boys Lockers
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	P. E Boys Lockers
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000536 100-11
Date of Collection	03/19/17
Time of Collection	1:23 PM
Printed Name of Sample Collector	Martin Velasco
Signature Sample Collector	<i>Martin Velasco</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	MAV
Notes:	19.3 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.

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	Somerton School Dist # 11
School Name	Somerton Middle School
Building (name/number)	Multi Purpose III
Type of Fixture (tap, drinking fountain etc.)	Tap
Location of Fixture (example, room number)	classroom # 243
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	00053a 100-012
Date of Collection	03/19/17
Time of Collection	1:32 PM
Printed Name of Sample Collector	Martin Velasco
Signature Sample Collector	<i>Martin Velasco</i>

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	<i>MAV</i>
Notes:	19.3 °C

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

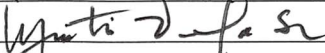
These samples were collected for lead screening purposes only and cannot be used for compliance.

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	Somerton School Dist. # 11	
School Name	Somerton Middle School	
Building (name/number)	Admin - Addition (AWC)	
Type of Fixture (tap, drinking fountain etc.)	Tap	
Location of Fixture (example, room number)	AWC Conference	
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	000538	100-013
Date of Collection	03/19/17	
Time of Collection	1:43 PM	
Printed Name of Sample Collector	Martin Velasco	
Signature Sample Collector		

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	MAV
Notes: 19.3 °C	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

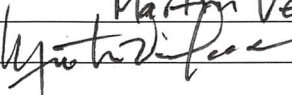
These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log

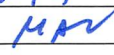
for experienced sample collectors

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	Somerton School District #11	
School Name	Somerton Middle School	
Building (name/number)	POD D	
Type of Fixture (tap, drinking fountain etc.)	No water Access	
Location of Fixture (example, room number)		
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	003847	100-05
Date of Collection	φ	
Time of Collection	φ	
Printed Name of Sample Collector	Martin Velasco	
Signature Sample Collector		

Notes Sample collector: *POD D No water Availability Access, POD Built without Taps*

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	3-23-17 18:28
Signature	
Notes: 19.3 °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.

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 #: 161834



Created By: Thomas.D.French - [TDF]
Deliver By: 03/15/2017
STG: Bottle Orders
Ice Type: W

Note: Sampler Please return this paper with your samples

Client ID: ADEQ-LEAD
Project Code: SOMERTON-ED Bottle Orders
Group Name: Somerton Middle School
PO#/JOB#:

Ship Sample Kits to
Somerton Elementary District
343 N. Carlisle Avenue
Somerton, AZ 85350-3200

Attn: Martin Velasco-Director of
Maintenance
Phone: (928) 341-6063

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

13

@ICPMS

Bottle Qty - Type [preservative information]

1 - 250ml poly [no preservative]

UN DOT #

Comments

Somerton Middle School - Include Somerton Elementary District Sample list, 13 Lead Sampling Plan Records, packing instructions for return shipment to Eurofins Eaton Analytical, Inc. 750 Royal Oaks Drive, Suite C, Monrovia, CA 91016. 13 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.

UPS RETURN

Code

Status

Date Shipped

Via

Tracking #

of Coolers

Prepared By

INTERNAL CHAIN OF CUSTODY RECORD

EUROFINS | Eaton Analytical

BEA Folder Number

SAMPLES REC'D DAY OF COLLECTION?

SAMPLE TEMP RECEIVED:

IR Gun ID = 461A (Observation = 19.4 °C) (Corr. Factor = -1 °C) (Final = 18.3 °C)

Thawed N/A

CONDITION OF ICE: Frozen Partially Frozen Thawed

TYPE OF ICE: Real Synthetic No Ice

Other:

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)

1 = (Observation = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)	2 = (Observation = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)
3 = (Observation = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)	4 = (Observation = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)

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

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

4) (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)

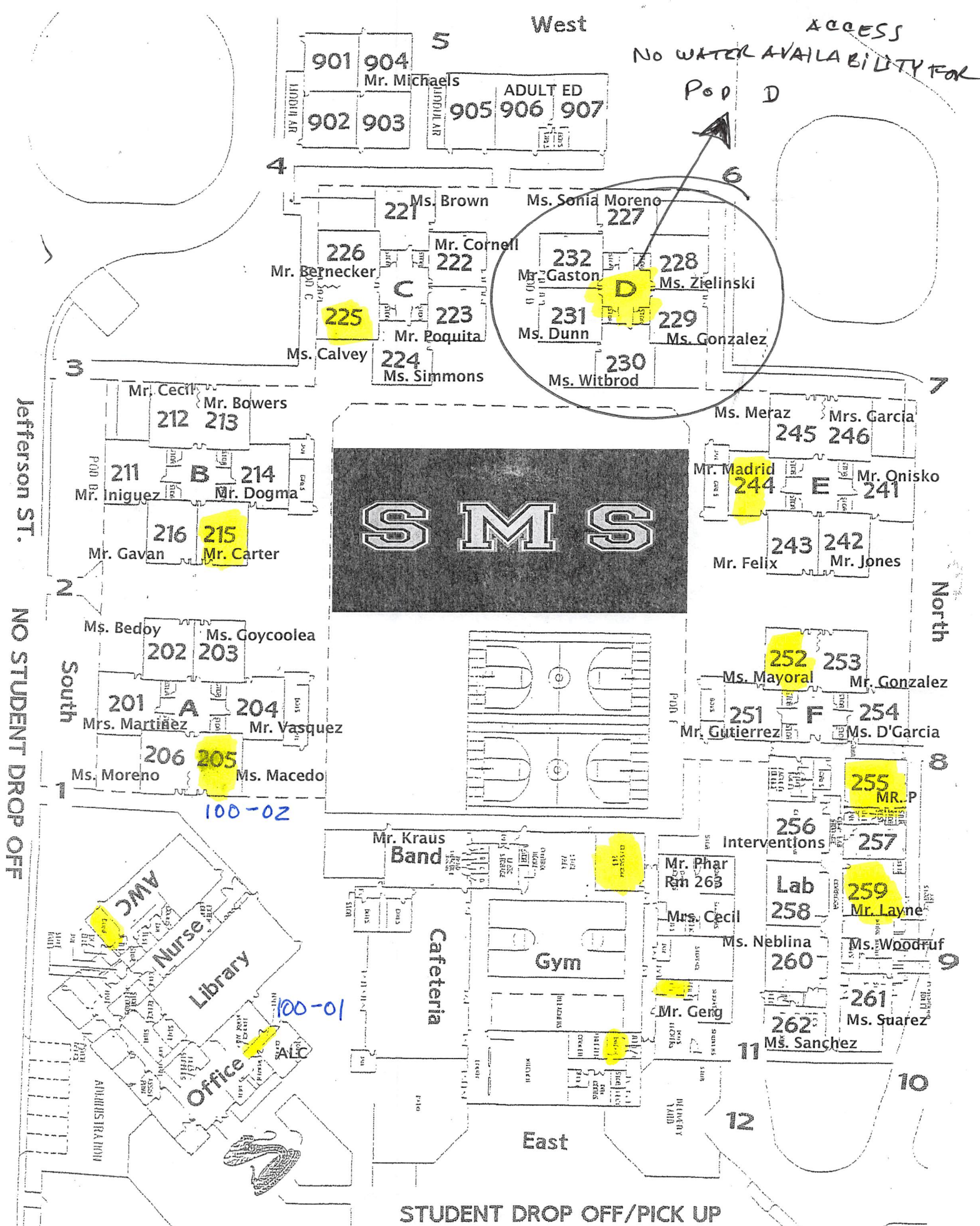
RECEIVED BY:	SIGNATURE	DATE	TIME
<u> </u>	<u> </u>	<u>3-23-17</u>	<u>18:28</u>

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

Somerton Elementary District	Somerton Middle School	1001	Administration	Administration	1991	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1002	Building A	Classrooms	1991	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1003	Building B	Classrooms	1991	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1004	Building C	Classrooms	1991	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1005	Building D	Classrooms	1991	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1006	Building E	Classroom	1991	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1007	Building X	Art, H.E., Shop & S.E.	1993	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1008	Building Y	Special Education	1993	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1009	Multi-Purpose I	Kitchen & Dining	1991	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1010	Multi-Purpose II	P.E.	1996	P O Box 3200	Somerton	85350-3200	Yuma	1

Building D when built no water available
 No Classroom sinks or water fountains
 1991 P O Box 3200

Somerton Elementary District	Somerton Middle School	1011	# 263 Multi-Purpose III	Classrooms	1998	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1012	# 252 Pod F	Classrooms	2004	P O Box 3200	Somerton	85350-3200	Yuma	1
Somerton Elementary District	Somerton Middle School	1013	AWC Admin Addition	Administrative	2004	P O Box 3200	Somerton	85350-3200	Yuma	1
Total Containers										13



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

Laboratory Comments
Report: 646932

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: 646932

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

Samples Received on:
03/23/2017 1828

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
03/30/2017 10:25	201703230571 Lead Total ICAP/MS	<u>000541 100-02</u>	3.1	15	ug/L	0.5
03/30/2017 10:06	201703230572 Lead Total ICAP/MS	<u>000534 100-03</u>	1.1	15	ug/L	0.5
03/25/2017 15:18	201703230574 Lead Total ICAP/MS	<u>000532 100-06</u>	2.7	15	ug/L	0.5
03/25/2017 15:18	201703230575 Lead Total ICAP/MS	<u>000535 100-07</u>	2.1	15	ug/L	0.5
03/25/2017 15:22	201703230577 Lead Total ICAP/MS	<u>004534 100-09</u>	0.72	15	ug/L	0.5
03/25/2017 15:26	201703230578 Lead Total ICAP/MS	<u>000540 100-10</u>	0.66	15	ug/L	0.5
03/25/2017 15:28	201703230579 Lead Total ICAP/MS	<u>000536 100-11</u>	1.0	15	ug/L	0.5
03/25/2017 15:29	201703230580 Lead Total ICAP/MS	<u>000539 100-012</u>	1.5	15	ug/L	0.5
03/25/2017 15:31	201703230581 Lead Total ICAP/MS	<u>00058 100-013</u>	1.1	15	ug/L	0.5

SUMMARY OF POSITIVE DATA ONLY

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1 800 566 LABS (1 800 566 5227)

Laboratory Data
Report: 646932

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

Samples Received on:
03/23/2017 1828

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
000531 100-01 (201703230570)						Sampled on 03/19/2017 1214			
Sample Type: Drinking Fountain, Hallway Facility ID: Administration Building Sample Point ID: Hallway									
EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:16	980833	981225	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
000541 100-02 (201703230571)						Sampled on 03/19/2017 1219			
Sample Type: Tap Facility ID: Pod "A" Classroom #205 Sample Point ID: Classroom #205									
EPA 200.8 - ICPMS Metals									
03/24/17	03/30/17 10:25	980833	982104	(EPA 200.8)	Lead Total ICAP/MS	3.1	ug/L	0.5	1
000534 100-03 (201703230572)						Sampled on 03/19/2017 1225			
Sample Type: Tap Facility ID: Pod B Sample Point ID: Classroom #215									
EPA 200.8 - ICPMS Metals									
03/24/17	03/30/17 10:06	980833	982104	(EPA 200.8)	Lead Total ICAP/MS	1.1	ug/L	0.5	1
000854 100-04 (201703230573)						Sampled on 03/19/2017 1229			
Sample Type: Tap Facility ID: Pod "C" Sample Point ID: Classroom #225									
EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:17	980833	981225	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
000532 100-06 (201703230574)						Sampled on 03/19/2017 1246			
Sample Type: Tap Facility ID: Pod E Sample Point ID: Classroom #244									
EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:18	980833	981225	(EPA 200.8)	Lead Total ICAP/MS	2.7	ug/L	0.5	1
000535 100-07 (201703230575)						Sampled on 03/19/2017 1251			
Sample Type: Tap Facility ID: Pod "F" Sample Point ID: Classroom #252									
EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:18	980833	981225	(EPA 200.8)	Lead Total ICAP/MS	2.1	ug/L	0.5	1
000533 100-08 (201703230576)						Sampled on 03/19/2017 1255			
Sample Type: Classroom Drinking Fountain Facility ID: Pod "F" Sample Point ID: Classroom #255									
EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:19	980833	981225	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
004534 100-09 (201703230577)						Sampled on 03/19/2017 1303			

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

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Laboratory Data
Report: 646932

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

Samples Received on:
03/23/2017 1828

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Tap Facility ID: Pod "F" Sample Point ID: Classroom #259 EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:22	980833	981225	(EPA 200.8)	Lead Total ICAP/MS	0.72	ug/L	0.5	1
<u>000540 100-10 (201703230578)</u>						Sampled on 03/19/2017 1313			
Sample Type: Kitchen Sink Facility ID: Kitchen, Kitchen Sink Sample Point ID: Next to Walk-in Fridge EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:26	980833	981231	(EPA 200.8)	Lead Total ICAP/MS	0.66	ug/L	0.5	1
<u>000536 100-11 (201703230579)</u>						Sampled on 03/19/2017 1323			
Sample Type: Tap Facility ID: P.E. Boys Lockers Sample Point ID: P.E. Boys Lockers EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:28	980833	981231	(EPA 200.8)	Lead Total ICAP/MS	1.0	ug/L	0.5	1
<u>000539 100-012 (201703230580)</u>						Sampled on 03/19/2017 1332			
Sample Type: Tap Facility ID: Multi Purpose III Sample Point ID: Classroom #263 EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:29	980833	981231	(EPA 200.8)	Lead Total ICAP/MS	1.5	ug/L	0.5	1
<u>00058 100-013 (201703230581)</u>						Sampled on 03/19/2017 1343			
Sample Type: Tap Facility ID: Admin - Addition (AWC) Sample Point ID: AWC Conference EPA 200.8 - ICPMS Metals									
03/24/17	03/25/17 15:31	980833	981231	(EPA 200.8)	Lead Total ICAP/MS	1.1	ug/L	0.5	1

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1 800 566 LABS (1 800 566 5227)

Arizona Department of Environmental Quality

ICPMS Metals

Prep Batch: 980833 Analytical Batch: 981225

201703230570	000531 100-01
201703230573	000854 100-04
201703230574	000532 100-06
201703230575	000535 100-07
201703230576	000533 100-08
201703230577	004534 100-09

Analysis Date: 03/25/2017

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

ICPMS Metals

Prep Batch: 980833 Analytical Batch: 981231

201703230578	000540 100-10
201703230579	000536 100-11
201703230580	000539 100-012
201703230581	00058 100-013

Analysis Date: 03/25/2017

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

ICPMS Metals

Prep Batch: 980833 Analytical Batch: 982104

201703230571	000541 100-02
201703230572	000534 100-03

Analysis Date: 03/30/2017

Analyzed by: DTN
Analyzed by: DTN

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

**Laboratory QC
 Report: 646932**

Arizona Department of Environmental Quality

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
ICPMS Metals by EPA 200.8									
Analytical Batch: 981225					Analysis Date: 03/25/2017				
LCS1	Lead Total ICAP/MS		20	19.8	ug/L	99	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.6	ug/L	98	(85-115)	20	1.0
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.516	ug/L	103	(50-150)		
MS_201703230545	Lead Total ICAP/MS	ND	20	21.2	ug/L	106	(70-130)		
MS2_201703230564	Lead Total ICAP/MS	2.1	20	23.4	ug/L	107	(70-130)		
MSD_201703230545	Lead Total ICAP/MS	ND	20	21.2	ug/L	106	(70-130)	20	0.0
MSD2_201703230564	Lead Total ICAP/MS	2.1	20	23.4	ug/L	106	(70-130)	20	0.43
ICPMS Metals by EPA 200.8									
Analytical Batch: 981231					Analysis Date: 03/25/2017				
LCS1	Lead Total ICAP/MS		20	19.6	ug/L	98	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.5	ug/L	97	(85-115)	20	0.51
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.509	ug/L	102	(50-150)		
MS_201703230578	Lead Total ICAP/MS	0.66	20	22.0	ug/L	107	(70-130)		
MS2_201703230611	Lead Total ICAP/MS	ND	20	21.6	ug/L	108	(70-130)		
MSD_201703230578	Lead Total ICAP/MS	0.66	20	21.7	ug/L	105	(70-130)	20	1.8
MSD2_201703230611	Lead Total ICAP/MS	ND	20	21.6	ug/L	108	(70-130)	20	0.0
ICPMS Metals by EPA 200.8									
Analytical Batch: 982104					Analysis Date: 03/30/2017				
LCS1	Lead Total ICAP/MS		20	20.4	ug/L	102	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.1	ug/L	100	(85-115)	20	1.5
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.559	ug/L	112	(50-150)		
MS_201703170553	Lead Total ICAP/MS	3.5	20	22.1	ug/L	93	(70-130)		
MS2_201703210287	Lead Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)		
MSD_201703170553	Lead Total ICAP/MS	3.5	20	22.4	ug/L	95	(70-130)	20	1.8
MSD2_201703210287	Lead Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)	20	1.0

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.