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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
05/22/2017


Eurofins Eaton
Analytical

TDF: Thomas.D.French
Project Manager

Report:661062
Project:TUBACITY-UD
ADHS License #:AZ0778
Group:Tuba City 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	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 #: 661062
Project: TUBACITY-UD
Sample Group: Tuba City High School

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

The following samples were received from you on **May 18, 2017** at **1145**. 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>201705180367</u>	1001-100 1 Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: Front Office DF @ICPMS Freight - Outbound Freight - Return	05/15/2017 0509
<u>201705180368</u>	1001-100 2 Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Staff Sink in Front Office Are @ICPMS	05/15/2017 0546
<u>201705180369</u>	1002-200 Sample Type: Counter Sink Facility ID: High School Main Bldg Sample Point ID: Staff Work Room @ICPMS	05/15/2017 0520
<u>201705180370</u>	1003-300 Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Room #329 Child Care Sink @ICPMS	05/15/2017 0532
<u>201705180371</u>	1004-400 Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Sink @ICPMS	05/15/2017 0532
<u>201705180372</u>	1005-500 Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: ROTC Area @ICPMS	05/15/2017 0545
<u>201705180373</u>	1006-600 Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Classroom Kitchen Sink @ICPMS	05/15/2017 0525
<u>201705180374</u>	1007-700	05/15/2017 0557

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Sample #	Sample ID	Sample Date
	Sample Type: Drinking Fountain Facility ID: High School Pavallion Sample Point ID: Pavallion @ICPMS	
201705180375	1008-65 1	05/15/2017 0540
	Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: Math Dept Area @ICPMS	
201705180376	1008-65 2	05/15/2017 0540
	Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: Math Dept Area @ICPMS	
201705180377	1009-75 1	05/15/2017 0600
	Sample Type: Not Provided Facility ID: Nurse Office #75 Sample Point ID: Nurse Office #75 @ICPMS	
201705180378	1009-75 2	05/15/2017 0546
	Sample Type: Water Fountain Facility ID: Not Provided Sample Point ID: Not Provided @ICPMS	
201705180379	1010-800	05/15/2017 0535
	Sample Type: Sink Facility ID: High School Pavallion Sample Point ID: Kitchen Sink @ICPMS	

Test Description

@ICPMS -- ICPMS Metals

Collection Log
for experienced sample collectors

661062

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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Main Bldg
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	Front office drinking fountain
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1001-100 #1
Date of Collection	May 15, 2017
Time of Collection	5:09 am J.S.T
Printed Name of Sample Collector	Raymond P. Beqay
Signature Sample Collector	Raymond P. Beqay

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	JE
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.

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Name of School District	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	Tuba City High School Main bldg
Type of Fixture (tap, drinking fountain etc.)	Sink
Location of Fixture (example, room number)	Staff Sink in Front Office Area
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1001-100 #2
Date of Collection	May 15, 2017
Time of Collection	5:46 pm D.S.T.
Printed Name of Sample Collector	Raymond P. Begay
Signature Sample Collector	Raymond P. Begay

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	
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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Main bldg
Type of Fixture (tap, drinking fountain etc.)	Counter Sink
Location of Fixture (example, room number)	Staff Work room
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1002-200
Date of Collection	May 15, 2017
Time of Collection	5:20 am D.S.T.
Printed Name of Sample Collector	Raymond P. Benay
Signature Sample Collector	Raymond P. Benay

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	
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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Main bldg
Type of Fixture (tap, drinking fountain etc.)	Sink
Location of Fixture (example, room number)	Room #329 Child Care Sink
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1003-300
Date of Collection	May 15, 2017
Time of Collection	5:32
Printed Name of Sample Collector	Raymond P. Beqay
Signature Sample Collector	Raymond P. Beqay

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/15/17 11:45
Signature	JR
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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Main bldg
Type of Fixture (tap, drinking fountain etc.)	Sink
Location of Fixture (example, room number)	Sink
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1004-401
Date of Collection	May 15, 2017
Time of Collection	5:32 AM D.S.T.
Printed Name of Sample Collector	Raymond P. Begay
Signature Sample Collector	Raymond P. Begay

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	
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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School main bldg
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	DOTC Area
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1005-500
Date of Collection	5-15-17
Time of Collection	5:45 AM DST
Printed Name of Sample Collector	Raymond P. Beyan
Signature Sample Collector	Raymond P. Beyan

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

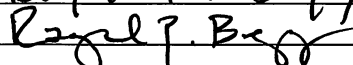
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Collection Log


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Name of School District	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School main bldg
Type of Fixture (tap, drinking fountain etc.)	Sink
Location of Fixture (example, room number)	Classroom Kitchen Sink
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1006-600
Date of Collection	May 15, 2017
Time of Collection	5:25 am D.S.T.
Printed Name of Sample Collector	Raymond P. Begay
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	
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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Pavilion
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	pavilion
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1007-700
Date of Collection	May 15, 2017
Time of Collection	5:57 AM D.S.T.
Printed Name of Sample Collector	
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	JP
Notes:	

For relinquishing samples upon delivery to labs only

Relinquished date and signature _____

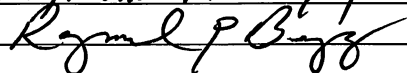
These samples were collected for lead screening purposes only and cannot be used for compliance.

Collection Log


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

Name of School District	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Main bldg
Type of Fixture (tap, drinking fountain etc.)	drinking fountain
Location of Fixture (example, room number)	Math Dept Area
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1008-65 #1
Date of Collection	5-15-2017
Time of Collection	5:40 AM DST
Printed Name of Sample Collector	Raymond P. Begay
Signature Sample Collector	

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Main Bldg
Type of Fixture (tap, drinking fountain etc.)	Drinking Fountain
Location of Fixture (example, room number)	Math Dept Area
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1008-65 #2
Date of Collection	May 15, 2017
Time of Collection	5:40 AM
Printed Name of Sample Collector	Raymond P. Beqay
Signature Sample Collector	Raymond P. Beqay

Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	SR
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.

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Name of School District	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	Nurse Office #75
Type of Fixture (tap, drinking fountain etc.)	
Location of Fixture (example, room number)	
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba city High School 1009-75 #1
Date of Collection	5-15-17
Time of Collection	06:00
Printed Name of Sample Collector	
Signature Sample Collector	

Notes Sample collector:

this sample was rec'd with no COC.
MAV 5-18-17

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	MAV 5-18-17 11:45
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	
School Name	
Building (name/number)	
Type of Fixture (tap, drinking fountain etc.)	water fountain
Location of Fixture (example, room number)	
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	1009-75 #2
Date of Collection	5-15-17
Time of Collection	05:46
Printed Name of Sample Collector	
Signature Sample Collector	

Notes Sample collector:

this sample was
Rec'd with no
COC. MAU 5-18-17

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5-18-17 MAU 11:45
Signature	MAU
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	Tuba City Unified District
School Name	Tuba City High School
Building (name/number)	High School Pavilion
Type of Fixture (tap, drinking fountain etc.)	Sink
Location of Fixture (example, room number)	Kitchen Sink
Sample Identification Number (<u>Write this number on the sample container and on this sheet</u>)	Tuba City High School 1010-800
Date of Collection	5-15-2017
Time of Collection	5:35 AM DST
Printed Name of Sample Collector	Raymond P. Beatty
Signature Sample Collector	<i>Raymond P. Beatty</i>

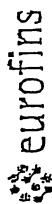
Notes Sample collector:

For Lab use only	
Analyze this drinking water sample for lead	
Date and Time Lab received	5/18/17 1145
Signature	<i>JP</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.



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

SAMPLE TEMP RECEIVED:

IR Gun ID = 510A (Observation = 20.0 °C) (Corr.Factor -0.1 °C) (Final = 19.9 °C)

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: ON TRAC

TRK# **7324 9820 4863**

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

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)

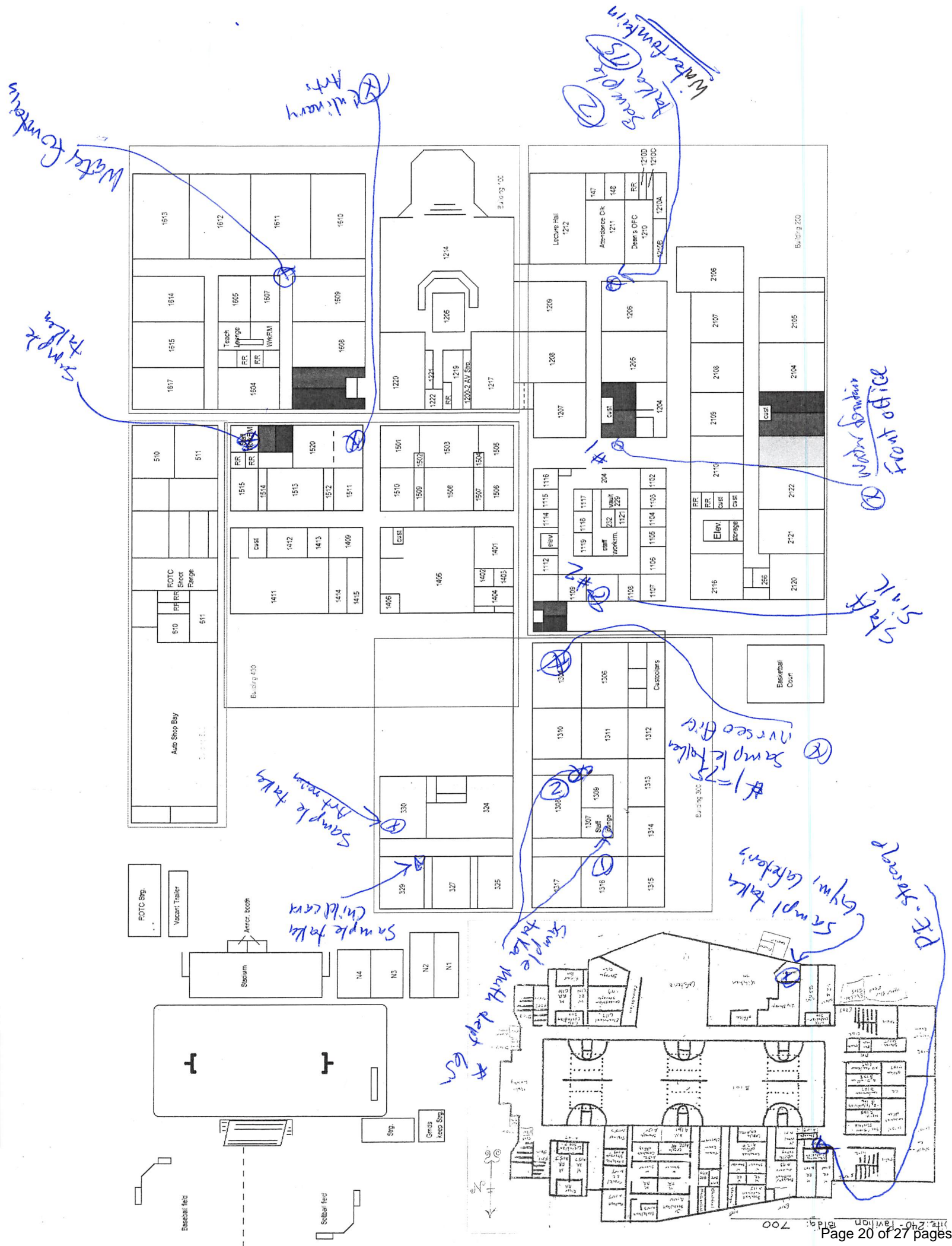
Giardia/Crypto: (Observation = °C) (Corr.Factor °C) (Final = °C)

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)

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

RECEIVED BY: <u>[Signature]</u>	SIGNATURE	PRINT NAME <u>[Signature]</u>	COMPANY/TITLE Eurofins Eaton Analytical	DATE <u>5/18/17</u>	TIME <u>1145</u>



Tuba City Unified District	Tuba City High School	1001	100	High School	1973	Coconino	2
Tuba City Unified District	Tuba City High School	1002	200 (To be replaced with DC)	Auto Shop (To be replaced with DC)	1993	Coconino	1
Tuba City Unified District	Tuba City High School	1003	300	Child Care	1988	Coconino	1
Tuba City Unified District	Tuba City High School	1004	400	ART	1993	Coconino	1
Tuba City Unified District	Tuba City High School	1005	500	ROTC	1988	Coconino	1
Tuba City Unified District	Tuba City High School	1006	600	Classroom/Culinary	1988	Coconino	1
Tuba City Unified District	Tuba City High School	1007	700	P.E. Storage	1993	Coconino	1
Tuba City Unified District	Tuba City High School	1008	65	Classrooms	1982	Coconino	2
Tuba City Unified District	Tuba City High School	1009	75	Classrooms	1982	Coconino	2
Tuba City Unified District	Tuba City High School	1010	800	Gymnasium, Cafeteria	2001	Coconino	1

Total Containers

13

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Laboratory Comments

Report: 661062
Project: TUBACITY-UD
Group: Tuba City High School

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

Tel: (626) 386-1100
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Laboratory Hits

Report: 661062
Project: TUBACITY-UD
Group: Tuba City High School

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

Samples Received on:
05/18/2017 1145

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
05/20/2017 20:46	201705180369 Lead Total ICAP/MS	<u>1002-200</u>	2.2	15	ug/L	0.5
05/20/2017 20:48	201705180371 Lead Total ICAP/MS	<u>1004-400</u>	1.2	15	ug/L	0.5
05/20/2017 20:49	201705180373 Lead Total ICAP/MS	<u>1006-600</u>	2.3	15	ug/L	0.5

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Report: 661062
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David Burchard
1110 West Washington Street
Phoenix, AZ 85007

Samples Received on:
05/18/2017 1145

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
1001-100 1 (201705180367)						Sampled on 05/15/2017 0509			
Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: Front Office DF									
EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:43	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
1001-100 2 (201705180368)						Sampled on 05/15/2017 0546			
Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Staff Sink in Front Office Are									
EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:44	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
1002-200 (201705180369)						Sampled on 05/15/2017 0520			
Sample Type: Counter Sink Facility ID: High School Main Bldg Sample Point ID: Staff Work Room									
EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:46	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	2.2	ug/L	0.5	1
1003-300 (201705180370)						Sampled on 05/15/2017 0532			
Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Room #329 Child Care Sink									
EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:47	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
1004-400 (201705180371)						Sampled on 05/15/2017 0532			
Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Sink									
EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:48	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	1.2	ug/L	0.5	1
1005-500 (201705180372)						Sampled on 05/15/2017 0545			
Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: ROTC Area									
EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:49	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
1006-600 (201705180373)						Sampled on 05/15/2017 0525			
Sample Type: Sink Facility ID: High School Main Bldg Sample Point ID: Classroom Kitchen Sink									
EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:49	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	2.3	ug/L	0.5	1
1007-700 (201705180374)						Sampled on 05/15/2017 0557			

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

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Report: 661062
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Arizona Department of Environmental Quality
David Burchard
1110 West Washington Street
Phoenix, AZ 85007

Samples Received on:
05/18/2017 1145

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Drinking Fountain Facility ID: High School Pavallion Sample Point ID: Pavallion EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:50	996519	996697	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
<u>1008-65 1 (201705180375)</u>						Sampled on 05/15/2017 0540			
Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: Math Dept Area EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:56	996519	996698	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
<u>1008-65 2 (201705180376)</u>						Sampled on 05/15/2017 0540			
Sample Type: Drinking Fountain Facility ID: High School Main Bldg Sample Point ID: Math Dept Area EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:58	996519	996698	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
<u>1009-75 1 (201705180377)</u>						Sampled on 05/15/2017 0600			
Sample Type: Not Provided Facility ID: Nurse Office #75 Sample Point ID: Nurse Office #75 EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 20:59	996519	996698	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
<u>1009-75 2 (201705180378)</u>						Sampled on 05/15/2017 0546			
Sample Type: Water Fountain Facility ID: Not Provided Sample Point ID: Not Provided EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 21:00	996519	996698	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
<u>1010-800 (201705180379)</u>						Sampled on 05/15/2017 0535			
Sample Type: Sink Facility ID: High School Pavallion Sample Point ID: Kitchen Sink EPA 200.8 - ICPMS Metals									
05/19/17	05/20/17 21:00	996519	996698	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1

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Laboratory QC Summary

Report: 661062
Project: TUBACITY-UD
Group: Tuba City High School

Arizona Department of Environmental Quality

ICPMS Metals

Prep Batch: 996519 Analytical Batch: 996697

201705180367	1001-100 1
201705180368	1001-100 2
201705180369	1002-200
201705180370	1003-300
201705180371	1004-400
201705180372	1005-500
201705180373	1006-600
201705180374	1007-700

Analysis Date: 05/20/2017

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

ICPMS Metals

Prep Batch: 996519 Analytical Batch: 996698

201705180375	1008-65 1
201705180376	1008-65 2
201705180377	1009-75 1
201705180378	1009-75 2
201705180379	1010-800

Analysis Date: 05/20/2017

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

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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: 996697					Analysis Date: 05/20/2017				
LCS1	Lead Total ICAP/MS		20	19.9	ug/L	99	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.8	ug/L	99	(85-115)	20	0.50
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.519	ug/L	104	(50-150)		
MS_201705180335	Lead Total ICAP/MS	49	20	70.5	ug/L	107	(70-130)		
MS2_201705180352	Lead Total ICAP/MS	ND	20	21.8	ug/L	109	(70-130)		
MSD_201705180335	Lead Total ICAP/MS	49	20	70.0	ug/L	105	(70-130)	20	0.71
MSD2_201705180352	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)	20	1.9
ICPMS Metals by EPA 200.8									
Analytical Batch: 996698					Analysis Date: 05/20/2017				
LCS1	Lead Total ICAP/MS		20	19.8	ug/L	99	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.9	ug/L	100	(85-115)	20	0.50
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_201705180375	Lead Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)		
MS2_201705180417	Lead Total ICAP/MS	1.6	20	23.0	ug/L	107	(70-130)		
MSD_201705180375	Lead Total ICAP/MS	ND	20	21.2	ug/L	106	(70-130)	20	0.95
MSD2_201705180417	Lead Total ICAP/MS	1.6	20	22.9	ug/L	107	(70-130)	20	0.44

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.