

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)



AT-1807

Laboratory Report

for

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

Date of Issue
07/12/2017


Eurofins Eaton
Analytical, Inc.

TDF: Thomas.D.French
Project Manager

Report:670617
Project:KAYENTA-UD
ADHS License #:AZ0778
Group:Kayenta Primary School-Confirmation
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	17-005R	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 *	T104704230-16-11
Kentucky	90107	Utah *	CA000062017-11
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/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	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 #: 670617
Project: KAYENTA-UD
Sample Group: Kayenta Primary School-Confirmation

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

The following samples were received from you on **July 06, 2017 at 1315**. 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, Inc..

Sample #	Sample ID	Sample Date
<u>201707060931</u>	1 Confirmation - First Draw Sample Type: Front Office Sink Facility ID: Front Office/Counselor @ICPMS Freight - Return Freight - Outbound	06/30/2017 1028
<u>201707060932</u>	2 Confirmation - Flush Sample Type: Front Ofc Sink Facility ID: Front Office/Counselor Sample Point ID: Front Office Sink @ICPMS	06/30/2017 1029
<u>201707060933</u>	3 Confirmation First Draw Day 2 Sample Type: Front Ofc Sink Facility ID: Front Office/Counselor Sample Point ID: Front Office Sink @ICPMS	07/01/2017 0851
<u>201707060934</u>	4 Screening Sample Type: Right Sink Facility ID: Front Office/Counselor @ICPMS	06/30/2017 1054
<u>201707060935</u>	5 Screening Sample Type: Left Sink Facility ID: Front Office/Counselor @ICPMS	06/30/2017 1055
<u>201707060936</u>	6 Screening Sample Type: Drinking Fountain Facility ID: Front Office/Counselor @ICPMS	06/30/2017 1057
<u>201707060937</u>	7 Screening Sample Type: Sink Facility ID: Front Office/Counselor @ICPMS	06/30/2017 1101
<u>201707060938</u>	8 Screening Sample Type: Sink Facility ID: Front Office/Counselor @ICPMS	06/30/2017 1103
<u>201707060939</u>	9 Screening @ICPMS	06/30/2017 1106

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Sample #	Sample ID	Sample Date
	Sample Type: Sink Facility ID: Front Office/Counselor @ICPMS	
201707060940	10 Screening	06/30/2017 1108
	Sample Type: Sink Facility ID: Front Office/Counselor @ICPMS	
201707060941	11 Screening	06/30/2017 1110
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor @ICPMS	
201707060942	12 Screening	06/30/2017 1111
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor @ICPMS	
201707060943	13 Screening	06/30/2017 1114
	Sample Type: Sink Facility ID: Front Office/Counselor @ICPMS	
201707060944	14 Screening	06/30/2017 1115
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor @ICPMS	
201707060945	15 Screening	06/30/2017 1117
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor @ICPMS	
201707060946	16 Screening	06/30/2017 1120
	Sample Type: Men RR Sink Facility ID: Front Office/Counselor @ICPMS	
201707060947	17 Screening	06/30/2017 1121
	Sample Type: Women RR Sink Facility ID: Front Office/Counselor @ICPMS	

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Sample #	Sample ID	Sample Date
<u>201707060948</u>	18 Screening	06/30/2017 1126
	Sample Type: OFC Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060949</u>	19 Screening	06/30/2017 1128
	Sample Type: Drinking Fountain Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060950</u>	20 Screening	06/30/2017 1133
	Sample Type: Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060951</u>	21 Screening	06/30/2017 1139
	Sample Type: RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060952</u>	22 Screening	06/30/2017 1143
	Sample Type: Ofc Sink Facility ID: Front Office/Counselor Sample Point ID: Dist Health 140	
	@ICPMS	
<u>201707060953</u>	23 Screening	06/30/2017 1146
	Sample Type: Main Hall Drinking Fountain Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060954</u>	24 Screening	06/30/2017 1149
	Sample Type: Drinking Fountain 1 Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060955</u>	25 Screening	06/30/2017 1149
	Sample Type: Drinking Fountain 2 Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060956</u>	26 Screening	06/30/2017 1149
	Sample Type: Drinking Fountain 3 Facility ID: Front Office/Counselor	

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Sample #	Sample ID	Sample Date
	@ICPMS	
<u>201707060957</u>	27 Screening	06/30/2017 1152
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060958</u>	28 Screening	06/30/2017 1152
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060959</u>	29 Screening	06/30/2017 1152
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060960</u>	30 Screening	06/30/2017 1152
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060961</u>	31 Screening	06/30/2017 1152
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060962</u>	32 Screening	06/30/2017 1152
	Sample Type: Boys RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060963</u>	33 Screening	06/30/2017 1157
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060964</u>	34 Screening	06/30/2017 1157
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor	
	@ICPMS	
<u>201707060965</u>	35 Screening	06/30/2017 1157

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Sample #	Sample ID	Sample Date
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor @ICPMS	
201707060966	36 Screening	06/30/2017 1157
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor Sample Point ID: 200 Hallway @ICPMS	
201707060967	37 Screening	06/30/2017 1157
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor Sample Point ID: 200 Hallway @ICPMS	
201707060968	38 Screening	06/30/2017 1157
	Sample Type: Girls RR Sink Facility ID: Front Office/Counselor Sample Point ID: 200 Hallway @ICPMS	
201707060969	39 Screening	06/30/2017 1205
	Sample Type: Sink Facility ID: Front Office/Counselor Sample Point ID: Custodial Closet @ICPMS	

Test Description

@ICPMS -- ICPMS Metals

@ICPMS -- ICPMS Metals

Lead In Schools Confirmation Sampling Log					
School District: Kayenta Unified District					
School Name: Kayenta Primary School					
Building Name/Number/Year Built: Front Office/Counselor					
Sample Collector Name and Phone Number: Christopher Claw / 928-675-1035					
Sample ID # (must appear on bottle)	Bottle Size	Fixture Type/ Make and model #	Fixture location	Collection Time	Collection Date
1 Confirmation – First Draw	250 ml	front office sink	Front Office sink	1028am	6/30
2 Confirmation – Flush	250 ml	Front ofc sink	Front Office sink	1029am	6/30
3 Confirmation – First Draw Day Two	1 Liter	front ofc sink	Front Office sink	851am	7/1
4 Screening	250 ml	Right sink	Cafeteria	1054am	6/30
5 Screening	250 ml	Left sink	Cafeteria	1055am	6/30
6 Screening	250 ml	Drinking fountain	Dining area	1057am	6/30
7 Screening	250 ml	sink	Classroom 112	1101am	
8 Screening	250 ml	sink	Classroom 113	1103am	
9 Screening	250 ml	sink	Classroom 114	1106am	
10 Screening	250 ml	sink	Classroom 117	1108am	
11 Screening	250 ml	Boys RR sink	Classroom 117	1110am	
12 Screening	250 ml	Girls RR sink	Classroom 117	1111am	
13 Screening	250 ml	sink	Classroom 122B	1114am	
14 Screening	250 ml	Boys RR sink	main Hall	1115am	
15 Screening	250 ml	Girls RR sink	main Hall	1117am	
16 Screening	250 ml	Men RR sink	IDF Rm	1120A	
17 Screening	250 ml	Women RR sink	IDF Rm	1121A	
18 Screening	250 ml	ofc sink	Custodial ofc.	1126A	
19 Screening	250 ml	Drinking fountain	Therapy 133	1128A	
20 Screening	250 ml	sink	therapy 133	1133A	
21 Screening	250 ml	RR sink	Therapy 133	1139A	
22 Screening	250 ml	ofc. sink	Dist. Health 140	1143am	
23 Screening	250 ml	main Hall drinking fountain	main Hall	1146am	
24 Screening	250 ml	Drinking fountain 1	200 Hallway	1149am	
25 Screening	250 ml	Drinking fountain 2	200 Hallway	1149 am	
26 Screening	250 ml	Drinking fountain 3	200 Hallway	1149 am	
27 Screening	250 ml	Boys RR sink	200 Hallway	1152 A	
28 Screening	250 ml	" " "	200 Hallway	1152 A	
29 Screening	250 ml	" " "	200 Hallway	1152 A	
30 Screening	250 ml	" " "	200 Hallway	1152 A	
31 Screening	250 ml	" " "	200 Hallway	1152 A	
32 Screening	250 ml	" " "	200 Hallway	1152 A	
33 Screening	250 ml	Girls RR sink	200 Hallway	1157A	
34 Screening	250 ml	" " "	200 Hallway	1157A	
35 Screening	250 ml	" " "	200 Hallway	1157am	
36 Screening	250 ml	" " "	200 Hallway	1157am	
37 Screening	250 ml	" " "	200 Hallway	1157am	6/30
38 Screening	250 ml	" " "	200 Hallway	1159am	6/30
39 Screening	250 ml	sink	Custodial Closet	1205p	6/30

These samples were collected for screening purposes only and are not to be used for compliance determinations

For relinquishing samples upon delivery to labs only

DATE RELINQUISHED:	6/30/2017
RELINQUISHING AGENT SIGNATURE:	<i>[Signature]</i>
SIGNATORY NAME PRINTED:	Christopher Chan

For Lab Use Only

ANALYZE THIS DRINKING WATER SAMPLE FOR LEAD

DATE LAB RECEIVED:	7/6/17
TIME LAB RECEIVED:	13:15
LAB SIGNATURE:	<i>[Signature]</i>
LAB SIGNATORY NAME PRINTED:	Chris Avila
NOTES:	<div data-bbox="954 997 1339 1092"></div>

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Kit #: 174263



Created By: Thomas.D.French - [TDF]
Deliver By: 06/30/2017
STG: Bottle Orders
Ice Type: W

Note: Sampler Please return this paper with your samples

Client ID: ADEQ-LEAD
Project Code: KAYENTA-UD Bottle Orders
Group Name: Kayenta Primary School-Confirmation
PO#/JOB#: ADEQ16-116686:3

Ship Sample Kits to
Kayenta Unified School District
North Highway 163 & Mustang Boulevard
Kayenta, AZ 86033-0337

Attn: Chris Claw-District Safety Coordinator

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	UN DOT #	Bottle Qty - Type [preservative information]
Samples Tests		
1	@ICPMS	1 - 1 L Wide Mouth Plastic [no preservative]
38	@ICPMS	1 - 250 ml widemouth poly [no preservative]

Comments

Kayenta Primary School / Confirmation Sampling- Include Kayenta Unified District- School-Specific Sample Log & Confirmation Sample Instructions. Packing instructions for return shipment to Eurofins Eaton Analytical, Inc. 750 Royal Oaks Drive, Suite C, Monrovia, CA 91016.

Return Shipment Standard Overnight

Sampler - please refer to Sample Instructions for specific instructions on completing paperwork and what to include with return shipment of the samples. Include a copy of this record also.



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

670617-670617

SAMPLE TEMP RECEIVED:

SAMPLES REC'D DAY OF COLLECTION? ☐

IR Gun ID = 569A (Observation = 28.2 °C) (Corr. Factor = 2 °C) (Final = 28.0 °C)

TYPE OF ICE: Real ☐ Synthetic ☒ No Ice ☒ CONDITION OF ICE: Frozen ☐ Partially Frozen ☐ Thawed ☒ N/A ☒

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

Compliance Acceptance Criteria:

- 1) Chemistry: >0, ≤ 6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)
- 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥ 10°C if received on ice the same day as sample collection, within 8 hours)
- 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

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

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

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RECEIVED BY:

Chris Avila

Eurofins Eaton Analytical

7/6/17

13:15

KUSD BUSINESS CENTER FIRE EXIT PLAN

EXIT #13

EXIT #12

EXIT #11

EXIT #10

EXIT #21

EXIT #16

EXIT #9

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EXIT #6

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EXIT #19

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EXIT #18

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EXIT #5

Victor: 602.771.2361

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Laboratory Comments

Report: 670617
Project: KAYENTA-UD
Group: Kayenta Primary School-Confirmation

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

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Report: 670617
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Samples Received on:
07/06/2017 1315

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
		<u>201707060931</u>				
07/10/2017 14:06	Lead Total ICAP/MS	<u>1 Confirmation - First Draw</u>	34	15	ug/L	0.5
		<u>201707060932</u>				
07/07/2017 14:31	Lead Total ICAP/MS	<u>2 Confirmation - Flush</u>	1.2	15	ug/L	0.5
		<u>201707060933</u>				
07/07/2017 14:32	Lead Total ICAP/MS	<u>3 Confirmation First Draw Day 2</u>	12	15	ug/L	0.5
		<u>201707060934</u>				
07/10/2017 14:07	Lead Total ICAP/MS	<u>4 Screening</u>	160	15	ug/L	0.5
		<u>201707060935</u>				
07/07/2017 14:35	Lead Total ICAP/MS	<u>5 Screening</u>	5.8	15	ug/L	0.5
		<u>201707060936</u>				
07/07/2017 14:37	Lead Total ICAP/MS	<u>6 Screening</u>	0.58	15	ug/L	0.5
		<u>201707060937</u>				
07/07/2017 14:42	Lead Total ICAP/MS	<u>7 Screening</u>	0.97	15	ug/L	0.5
		<u>201707060938</u>				
07/07/2017 14:43	Lead Total ICAP/MS	<u>8 Screening</u>	2.2	15	ug/L	0.5
		<u>201707060939</u>				
07/07/2017 14:45	Lead Total ICAP/MS	<u>9 Screening</u>	1.0	15	ug/L	0.5
		<u>201707060940</u>				
07/07/2017 14:46	Lead Total ICAP/MS	<u>10 Screening</u>	2.0	15	ug/L	0.5
		<u>201707060941</u>				
07/07/2017 14:48	Lead Total ICAP/MS	<u>11 Screening</u>	3.0	15	ug/L	0.5
		<u>201707060942</u>				
07/07/2017 14:53	Lead Total ICAP/MS	<u>12 Screening</u>	2.4	15	ug/L	0.5
		<u>201707060943</u>				
07/07/2017 14:54	Lead Total ICAP/MS	<u>13 Screening</u>	4.1	15	ug/L	0.5
		<u>201707060944</u>				
07/07/2017 14:56	Lead Total ICAP/MS	<u>14 Screening</u>	2.4	15	ug/L	0.5
		<u>201707060945</u>				
07/07/2017 15:01	Lead Total ICAP/MS	<u>15 Screening</u>	5.1	15	ug/L	0.5
		<u>201707060946</u>				
		<u>16 Screening</u>				

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Hits

Report: 670617
Project: KAYENTA-UD
Group: Kayenta Primary School-Confirmation

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

Samples Received on:
07/06/2017 1315

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
07/07/2017 15:02	Lead Total ICAP/MS		0.98	15	ug/L	0.5
	201707060947	<u>17 Screening</u>				
07/07/2017 15:04	Lead Total ICAP/MS		0.59	15	ug/L	0.5
	201707060948	<u>18 Screening</u>				
07/07/2017 15:06	Lead Total ICAP/MS		4.0	15	ug/L	0.5
	201707060949	<u>19 Screening</u>				
07/07/2017 15:07	Lead Total ICAP/MS		2.3	15	ug/L	0.5
	201707060950	<u>20 Screening</u>				
07/07/2017 15:09	Lead Total ICAP/MS		31	15	ug/L	0.5
	201707060951	<u>21 Screening</u>				
07/07/2017 15:21	Lead Total ICAP/MS		5.1	15	ug/L	0.5
	201707060952	<u>22 Screening</u>				
07/07/2017 15:26	Lead Total ICAP/MS		9.2	15	ug/L	0.5
	201707060953	<u>23 Screening</u>				
07/07/2017 15:28	Lead Total ICAP/MS		1.7	15	ug/L	0.5
	201707060957	<u>27 Screening</u>				
07/07/2017 15:34	Lead Total ICAP/MS		6.8	15	ug/L	0.5
	201707060958	<u>28 Screening</u>				
07/07/2017 15:35	Lead Total ICAP/MS		2.1	15	ug/L	0.5
	201707060959	<u>29 Screening</u>				
07/07/2017 15:40	Lead Total ICAP/MS		3.1	15	ug/L	0.5
	201707060960	<u>30 Screening</u>				
07/07/2017 15:42	Lead Total ICAP/MS		2.6	15	ug/L	0.5
	201707060961	<u>31 Screening</u>				
07/07/2017 15:43	Lead Total ICAP/MS		3.3	15	ug/L	0.5
	201707060962	<u>32 Screening</u>				
07/07/2017 15:48	Lead Total ICAP/MS		1.1	15	ug/L	0.5
	201707060963	<u>33 Screening</u>				
07/07/2017 15:50	Lead Total ICAP/MS		7.2	15	ug/L	0.5
	201707060964	<u>34 Screening</u>				
07/10/2017 14:09	Lead Total ICAP/MS		4.6	15	ug/L	0.5

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Hits

Report: 670617
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Group: Kayenta Primary School-Confirmation

Arizona Department of Environmental Quality
David Burchard
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Samples Received on:
07/06/2017 1315

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201707060965	<u>35 Screening</u>				
07/07/2017 15:53	Lead Total ICAP/MS		1.8	15	ug/L	0.5
	201707060966	<u>36 Screening</u>				
07/07/2017 15:54	Lead Total ICAP/MS		1.2	15	ug/L	0.5
	201707060967	<u>37 Screening</u>				
07/07/2017 15:59	Lead Total ICAP/MS		2.5	15	ug/L	0.5
	201707060968	<u>38 Screening</u>				
07/07/2017 16:01	Lead Total ICAP/MS		1.2	15	ug/L	0.5
	201707060969	<u>39 Screening</u>				
07/07/2017 16:02	Lead Total ICAP/MS		9.0	15	ug/L	0.5

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Arizona Department of Environmental Quality
David Burchard
1110 West Washington Street
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Samples Received on:
07/06/2017 1315

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
1 Confirmation - First Draw (201707060931)						Sampled on 06/30/2017 1028			
Sample Type: Front Office Sink Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/10/17 14:06	1008819	1008904	(EPA 200.8)	Lead Total ICAP/MS	34	ug/L	0.5	1
2 Confirmation - Flush (201707060932)						Sampled on 06/30/2017 1029			
Sample Type: Front Ofc Sink Facility ID: Front Office/Counselor Sample Point ID: Front Office Sink									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:31	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	1.2	ug/L	0.5	1
3 Confirmation First Draw Day 2 (201707060933)						Sampled on 07/01/2017 0851			
Sample Type: Front Ofc Sink Facility ID: Front Office/Counselor Sample Point ID: Front Office Sink									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:32	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	12	ug/L	0.5	1
4 Screening (201707060934)						Sampled on 06/30/2017 1054			
Sample Type: Right Sink Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/10/17 14:07	1008819	1008904	(EPA 200.8)	Lead Total ICAP/MS	160	ug/L	0.5	1
5 Screening (201707060935)						Sampled on 06/30/2017 1055			
Sample Type: Left Sink Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:35	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	5.8	ug/L	0.5	1
6 Screening (201707060936)						Sampled on 06/30/2017 1057			
Sample Type: Drinking Fountain Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:37	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	0.58	ug/L	0.5	1
7 Screening (201707060937)						Sampled on 06/30/2017 1101			
Sample Type: Sink Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:42	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	0.97	ug/L	0.5	1
8 Screening (201707060938)						Sampled on 06/30/2017 1103			
Sample Type: Sink Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:43	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	2.2	ug/L	0.5	1

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

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Laboratory Data

Report: 670617
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Arizona Department of Environmental Quality
David Burchard
1110 West Washington Street
Phoenix, AZ 85007

Samples Received on:
07/06/2017 1315

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
9 Screening (201707060939)						Sampled on 06/30/2017 1106			
Sample Type: Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:45	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	1.0	ug/L	0.5	1
10 Screening (201707060940)						Sampled on 06/30/2017 1108			
Sample Type: Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:46	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	2.0	ug/L	0.5	1
11 Screening (201707060941)						Sampled on 06/30/2017 1110			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:48	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	3.0	ug/L	0.5	1
12 Screening (201707060942)						Sampled on 06/30/2017 1111			
Sample Type: Girls RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:53	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	2.4	ug/L	0.5	1
13 Screening (201707060943)						Sampled on 06/30/2017 1114			
Sample Type: Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:54	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	4.1	ug/L	0.5	1
14 Screening (201707060944)						Sampled on 06/30/2017 1115			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 14:56	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	2.4	ug/L	0.5	1
15 Screening (201707060945)						Sampled on 06/30/2017 1117			
Sample Type: Girls RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:01	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	5.1	ug/L	0.5	1
16 Screening (201707060946)						Sampled on 06/30/2017 1120			
Sample Type: Men RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:02	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	0.98	ug/L	0.5	1
17 Screening (201707060947)						Sampled on 06/30/2017 1121			

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

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

Samples Received on:
07/06/2017 1315

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Women RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:04	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	0.59	ug/L	0.5	1
18 Screening (201707060948)						Sampled on 06/30/2017 1126			
Sample Type: OFC Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:06	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	4.0	ug/L	0.5	1
19 Screening (201707060949)						Sampled on 06/30/2017 1128			
Sample Type: Drinking Fountain Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:07	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	2.3	ug/L	0.5	1
20 Screening (201707060950)						Sampled on 06/30/2017 1133			
Sample Type: Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:09	1008819	1008718	(EPA 200.8)	Lead Total ICAP/MS	31	ug/L	0.5	1
21 Screening (201707060951)						Sampled on 06/30/2017 1139			
Sample Type: RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:21	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	5.1	ug/L	0.5	1
22 Screening (201707060952)						Sampled on 06/30/2017 1143			
Sample Type: Ofc Sink Facility ID: Front Office/Counselor Sample Point ID: Dist Health 140 EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:26	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	9.2	ug/L	0.5	1
23 Screening (201707060953)						Sampled on 06/30/2017 1146			
Sample Type: Main Hall Drinking Fountain Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:28	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	1.7	ug/L	0.5	1
24 Screening (201707060954)						Sampled on 06/30/2017 1149			
Sample Type: Drinking Fountain 1 Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:29	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
25 Screening (201707060955)						Sampled on 06/30/2017 1149			

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

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Laboratory Data

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

Samples Received on:
07/06/2017 1315

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Sample Type: Drinking Fountain 2 Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:31	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
<u>26 Screening (201707060956)</u>						Sampled on 06/30/2017 1149			
Sample Type: Drinking Fountain 3 Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:32	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
<u>27 Screening (201707060957)</u>						Sampled on 06/30/2017 1152			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:34	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	6.8	ug/L	0.5	1
<u>28 Screening (201707060958)</u>						Sampled on 06/30/2017 1152			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:35	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	2.1	ug/L	0.5	1
<u>29 Screening (201707060959)</u>						Sampled on 06/30/2017 1152			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:40	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	3.1	ug/L	0.5	1
<u>30 Screening (201707060960)</u>						Sampled on 06/30/2017 1152			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:42	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	2.6	ug/L	0.5	1
<u>31 Screening (201707060961)</u>						Sampled on 06/30/2017 1152			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:43	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	3.3	ug/L	0.5	1
<u>32 Screening (201707060962)</u>						Sampled on 06/30/2017 1152			
Sample Type: Boys RR Sink Facility ID: Front Office/Counselor EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:48	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	1.1	ug/L	0.5	1
<u>33 Screening (201707060963)</u>						Sampled on 06/30/2017 1157			
Sample Type: Girls RR Sink Facility ID: Front Office/Counselor									

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

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Report: 670617
Project: KAYENTA-UD
Group: Kayenta Primary School-Confirmation

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

Samples Received on:
07/06/2017 1315

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:50	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	7.2	ug/L	0.5	1
34 Screening (201707060964)						Sampled on 06/30/2017 1157			
Sample Type: Girls RR Sink									
Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/10/17 14:09	1008819	1008904	(EPA 200.8)	Lead Total ICAP/MS	4.6	ug/L	0.5	1
35 Screening (201707060965)						Sampled on 06/30/2017 1157			
Sample Type: Girls RR Sink									
Facility ID: Front Office/Counselor									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:53	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	1.8	ug/L	0.5	1
36 Screening (201707060966)						Sampled on 06/30/2017 1157			
Sample Type: Girls RR Sink									
Facility ID: Front Office/Counselor									
Sample Point ID: 200 Hallway									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:54	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	1.2	ug/L	0.5	1
37 Screening (201707060967)						Sampled on 06/30/2017 1157			
Sample Type: Girls RR Sink									
Facility ID: Front Office/Counselor									
Sample Point ID: 200 Hallway									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 15:59	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	2.5	ug/L	0.5	1
38 Screening (201707060968)						Sampled on 06/30/2017 1157			
Sample Type: Girls RR Sink									
Facility ID: Front Office/Counselor									
Sample Point ID: 200 Hallway									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 16:01	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	1.2	ug/L	0.5	1
39 Screening (201707060969)						Sampled on 06/30/2017 1205			
Sample Type: Sink									
Facility ID: Front Office/Counselor									
Sample Point ID: Custodial Closet									
EPA 200.8 - ICPMS Metals									
07/07/17	07/07/17 16:02	1008819	1008719	(EPA 200.8)	Lead Total ICAP/MS	9.0	ug/L	0.5	1

ICPMS Metals

Prep Batch: 1008819 Analytical Batch: 1008718

Analysis Date: 07/07/2017

201707060932	2 Confirmation - Flush	Analyzed by: DTN
201707060933	3 Confirmation First Draw Day 2	Analyzed by: DTN
201707060935	5 Screening	Analyzed by: DTN
201707060936	6 Screening	Analyzed by: DTN
201707060937	7 Screening	Analyzed by: DTN
201707060938	8 Screening	Analyzed by: DTN
201707060939	9 Screening	Analyzed by: DTN
201707060940	10 Screening	Analyzed by: DTN
201707060941	11 Screening	Analyzed by: DTN
201707060942	12 Screening	Analyzed by: DTN
201707060943	13 Screening	Analyzed by: DTN
201707060944	14 Screening	Analyzed by: DTN
201707060945	15 Screening	Analyzed by: DTN
201707060946	16 Screening	Analyzed by: DTN
201707060947	17 Screening	Analyzed by: DTN
201707060948	18 Screening	Analyzed by: DTN
201707060949	19 Screening	Analyzed by: DTN
201707060950	20 Screening	Analyzed by: DTN

ICPMS Metals

Prep Batch: 1008819 Analytical Batch: 1008719

Analysis Date: 07/07/2017

201707060951	21 Screening	Analyzed by: DTN
201707060952	22 Screening	Analyzed by: DTN
201707060953	23 Screening	Analyzed by: DTN
201707060954	24 Screening	Analyzed by: DTN
201707060955	25 Screening	Analyzed by: DTN
201707060956	26 Screening	Analyzed by: DTN
201707060957	27 Screening	Analyzed by: DTN
201707060958	28 Screening	Analyzed by: DTN
201707060959	29 Screening	Analyzed by: DTN
201707060960	30 Screening	Analyzed by: DTN
201707060961	31 Screening	Analyzed by: DTN
201707060962	32 Screening	Analyzed by: DTN
201707060963	33 Screening	Analyzed by: DTN
201707060965	35 Screening	Analyzed by: DTN
201707060966	36 Screening	Analyzed by: DTN
201707060967	37 Screening	Analyzed by: DTN
201707060968	38 Screening	Analyzed by: DTN
201707060969	39 Screening	Analyzed by: DTN

ICPMS Metals

Prep Batch: 1008819 Analytical Batch: 1008904

Analysis Date: 07/10/2017

201707060931	1 Confirmation - First Draw	Analyzed by: DTN
201707060934	4 Screening	Analyzed by: DTN
201707060964	34 Screening	Analyzed by: DTN

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
ICPMS Metals by EPA 200.8									
Analytical Batch: 1008718					Analysis Date: 07/07/2017				
LCS1	Lead Total ICAP/MS		20	19.3	ug/L	96	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.3	ug/L	97	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.514	ug/L	103	(50-150)		
MS_201707060931	Lead Total ICAP/MS		20	49.4	ug/L	92	(70-130)		
MS2_201707060941	Lead Total ICAP/MS	3.0	20	22.4	ug/L	97	(70-130)		
MSD_201707060931	Lead Total ICAP/MS		20	51.4	ug/L	102	(70-130)	20	4.0
MSD2_201707060941	Lead Total ICAP/MS	3.0	20	21.7	ug/L	93	(70-130)	20	3.2
ICPMS Metals by EPA 200.8									
Analytical Batch: 1008719					Analysis Date: 07/07/2017				
LCS1	Lead Total ICAP/MS		20	19.3	ug/L	97	(85-115)		
LCS2	Lead Total ICAP/MS		20	19.2	ug/L	96	(85-115)	20	0.52
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.488	ug/L	98	(50-150)		
MS_201707060951	Lead Total ICAP/MS	5.1	20	25.1	ug/L	100	(70-130)		
MS2_201707060961	Lead Total ICAP/MS	3.3	20	22.6	ug/L	96	(70-130)		
MSD_201707060951	Lead Total ICAP/MS	5.1	20	24.4	ug/L	97	(70-130)	20	2.8
MSD2_201707060961	Lead Total ICAP/MS	3.3	20	22.7	ug/L	97	(70-130)	20	0.44
ICPMS Metals by EPA 200.8									
Analytical Batch: 1008904					Analysis Date: 07/10/2017				
LCS1	Lead Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.5	ug/L	103	(85-115)	20	0.98
MBLK	Lead Total ICAP/MS			<0.25	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.512	ug/L	102	(50-150)		
MS_201707060970	Lead Total ICAP/MS	ND	20	20.1	ug/L	101	(70-130)		
MS2_201707061083	Lead Total ICAP/MS	ND	20	23.6	ug/L	118	(70-130)		
MSD_201707060970	Lead Total ICAP/MS	ND	20	23.6	ug/L	118	(70-130)	20	16
MSD2_201707061083	Lead Total ICAP/MS	ND	20	23.4	ug/L	117	(70-130)	20	0.85

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.