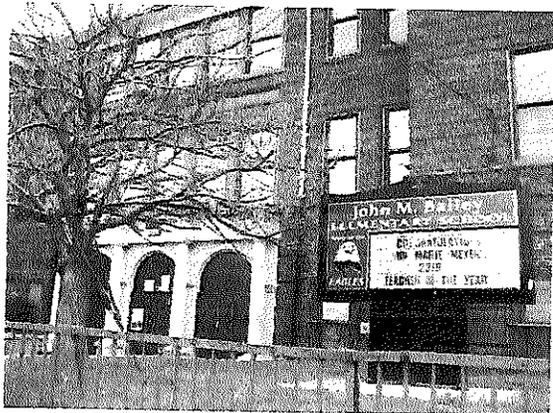


**Attendees:**

Mike Kubert, Superintendent Buildings & Grounds Foundation (BPS)  
Erwin Smieszek, EPA New Jersey Office – Sampling Lead  
Sarah Peterson, EPA New Jersey Office – Assistant

**Building Photo and Description:**



John M. Bailey School #12 is a K-8 grade school built in 1911. An addition was added in 2000. To the left is a photo of the front entrance (10<sup>th</sup> Street) taken by EPA.

**BPS Sampling/Analytical Results/Remediation:**

BPS staff had conducted sampling of John M. Bailey School on April 3, 2014. Sampling began on the 2<sup>nd</sup> floor, then 1<sup>st</sup> floor and then Ground floor where BPS collected 500mL first draw samples for a total of 22 sampled outlets. BPS sampling included bathroom/art room faucets and if 2 or more outlets are next to each other, BPS would sample all outlets. Analytical results were compared to the EPA Lead and Copper Rule (LCR) action limit of 15ppb. There were no results that exceeded the 15ppb action limit.

**EPA Objective and Observations:**

Although BPS had conducted sampling, analysis and remediation of some outlets within BPS, the approach used did not follow the Region 2 Children's Health Initiative - EPA 3T's Lead in Drinking Water program. The objective of the pre-sampling walk-thru is to locate the cold water (CW) potable outlets and determine if these outlets require repair (see underlined outlets below) by BPS prior to EPA sampling. EPA also noted whether the outlets were remediated (i.e. removed, replaced).

The attached floor diagram displays the approximate locations of the building's water main entry, water meter and potable water outlets. The water main (11<sup>th</sup> Street) enters the ground floor in the Boy's bathroom, flows thru the building to the boiler room where the water meter is located and continues to the remainder of the building. There is no in-line water filter or central chiller (to pre-chill the water) prior to water distribution. Plumbing diagrams are not available, therefore, EPA/BPS made an educated guess as to the water piping layout and water distribution through-out the building (see floor diagram).

All CW outlets were observed for leaks, drips, spray pattern, color, temperature (warm/cold), tempered water devices, screens, point of use (POU) filters. There are no outside drinking fountains, water features or lawn sprinkler system.

Note: EPA only samples one outlet of a group of outlets (i.e. if faucet and bubbler, bubbler takes precedence).

Note: Bathrooms/Custodial/Science/Art outlets are not sampled and are only noted if repair is required.

Ground	Boiler Room	Water Main (enters 11 <sup>th</sup> street) and Meter (Brass)
	Hallway	Two (2) bubblers by Room G6.
	Room G9	Faucet. <u>One second CW drip.</u>
	Storage	Faucet and Washing Machine. <u>BPS did not sample.</u>
	Hallway	Two (2) bubblers by Room G5 (Music). <u>Left bubbler low flow.</u>
	Hallway	Chiller by Room G4 (Art).
1 <sup>st</sup> Floor	Hallway	Bubbler by Room 11. <u>Plastic bag covering bubbler. Drain clogged.</u>
	Hallway	Chiller outside Main Office. <u>Appears to be old. No brand, m/n, s/n.</u>
	Hallway	Bubbler by Room 2.
	Room 1	Faucet (metered).
2 <sup>nd</sup> Floor	Nurse	Faucet (screen off).
	Hallway	Bubbler by Room 27.
	Teachers	Faucet (screen on).
	Hallway	Bubbler by Room 17. <u>BPS did not sample. Should be sampled.</u>
	Hallway	Chiller by Room 20.

Note: EPA only samples one outlet of a group of outlets (i.e. if faucet and bubbler, bubbler takes precedence).  
Note: Bathrooms/Custodial/Science/Art outlets are not sampled and are only noted if repair is required.

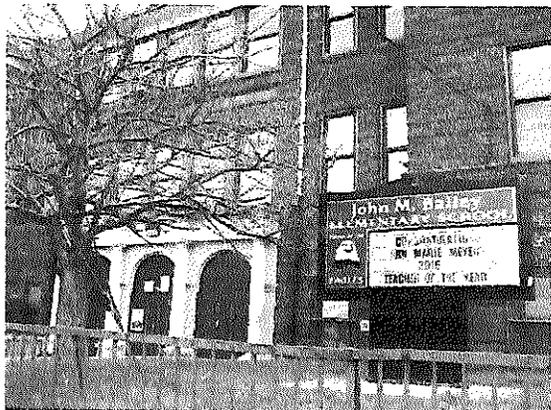
Ground	Boiler Room	Water Main (enters 11 <sup>th</sup> street) and Meter (Brass)
	Hallway	Two (2) bubblers by Room G6.
	Room G9	Faucet. <u>One second CW drip.</u>
	Storage	Faucet and Washing Machine. <u>BPS did not sample.</u>
1 <sup>st</sup> Floor	Hallway	Two (2) bubblers by Room G5 (Music). <u>Left bubbler low flow.</u>
	Hallway	Chiller by Room G4 (Art).
	Hallway	Bubbler by Room 11. <u>Plastic bag covering bubbler. Drain clogged.</u>
	Hallway	Chiller outside Main Office. <u>Appears to be old. No brand, m/n, s/n.</u>
2 <sup>nd</sup> Floor	Hallway	Bubbler by Room 2.
	Room 1	Faucet (metered).
	Nurse	Faucet (screen off).
	Hallway	Bubbler by Room 27.
	Teachers	Faucet (screen on).
Hallway	Hallway	Bubbler by Room 17. <u>BPS did not sample. Should be sampled.</u>
	Hallway	Chiller by Room 20.

OK  
BK&MR

**Attendees:**

Mike Kubert, BPS Superintendent Buildings & Grounds Foundation  
Scott Nolan, BPS BOE Code Compliance Supervisor  
Erwin Smieszek, EPA New Jersey Office – Sampling Lead  
Jim Kurtenbach, EPA New Jersey Office – Sampler

**Building Photo and Description:**



John M. Bailey School #12 is a K-8 grade school built in 1911. An addition was added in 2000. To the left is a photo of the front entrance (10<sup>th</sup> Street) taken by EPA on April 9, 2015.

**Pre-Sampling Walk-thru:**

On Thursday, June 9, 2015, Erwin Smieszek (Lead) and Sarah Peterson conducted a Lead in Drinking Water pre-sampling walk-thru of #12 John M. Bailey School. See June 30, 2015 modified pre-sampling report for objectives and observations.

**Sampling Day Introductions/General Conditions**

Prior to the sampling event, it was determined that the BPS would not be flushing the outlets.

On Thursday, April 21, 2016, EPA Inspectors Erwin Smieszek (Inspection Lead) and Jim Kurtenbach conducted a Lead in Drinking Water sampling event at the BPS #12 John M. Bailey School. EPA met and presented credentials to BPS Mike Kubert and Scott Nolan. Mr. Kubert and Mr. Nolan accompanied EPA during the sampling event. Mr. Kubert stated that no water was used from the building since 7:30pm April 20, 2016 and the building was locked at 7:30pm on April 20, 2016. The schools after school program ended at approximately 6pm on April 20, 2016. There were no do not use water signs posted at the Door #4 ground floor entrance/exit area where EPA/BPS entered to indicate that water sampling was to be conducted.

**Sampling Design/Process and Observations:**

The water main is located on the ground floor. Water sampling would begin with the outlet closest to the water main and continue downstream (see Chain of Custody and Floor Diagrams).

A field reagent blank (FRB) was collected in the ground floor hallway by classroom G6 (near sample J1/02) and then water samples were collected. For each outlet sampled, initial and follow-up (30

second) cold-water samples were collected in separate pre-cleaned certified HDPE 250mL wide mouth containers. Sample codes were either written with permanent marker or labels were placed under each (or next to) sampled outlet. Mr. Smieszek provided sampling observations to Mr. Kubert as sampling progressed. Additional sampling information can be found on the attached Floor Diagram and Chain of Custody (COC) form.

	Sample Number	Location	Comments (also see Floor Diagrams/Chain of Custody)
Ground Floor	00	Hallway by Classroom G6	Field Reagent Blank.
Ground Floor	1/2	Hallway bubbler by Classroom G6	Two bubblers. Sampled Left bubbler. No POU filter.
Ground Floor	3/4	Classroom G9 faucet	Screen off. No POU filter. Upon arrival, cold water drip approx. every 15 seconds.
Ground Floor	5/6	Hallway bubbler by Classroom G5	Two bubblers. Sampled Left bubbler. No POU filter.
Ground Floor	7/8	Hallway Chiller by Classroom G4 (art)	Elkay m/n EBF (couldn't read) s/n (couldn't read) No visible POU filter. Compressor operational.
Note: 1 <sup>st</sup> Floor custodial closet by Classroom 8 had cold water drip approx. every 2 seconds.			
1 <sup>st</sup> Floor	9/10	Hallway bubbler by Classroom 11	No POU filter
1 <sup>st</sup> Floor	11/12	Hallway Chiller by Main Office	Free standing chiller. No make, m/n, s/n visible. Appears to be older model. No visible POU filter. Compressor operational.
1 <sup>st</sup> Floor	13/14	Classroom 1 faucet	Delta metered. "Not Drinking Water" sign. Aerator on. No POU filter.
1 <sup>st</sup> Floor	15/16	Hallway bubbler by Classroom 2	No POU filter.
1 <sup>st</sup> Floor	17/18	Hallway Chiller by Classroom 5	Elkay m/n EBFSAB s/n 001115105 No visible POU filter. Compressor operational.
2 <sup>nd</sup> Floor	19/20	Nurse Office faucet	Screen off. No POU filter.
2 <sup>nd</sup> Floor	21/22	Hallway bubbler by Classroom 27	No POU filter.
2 <sup>nd</sup> Floor	23/24	Hallway bubbler by Classroom 17	No POU filter. BPS did not sample in 2014.
2 <sup>nd</sup> Floor	25/26	Teacher Café faucet	Delta single lever Aerator on. No POU filter.
2 <sup>nd</sup> Floor	27/28	Hallway Chiller by Classroom 20	Elkay m/n EBFSAB s/n 001227584 No visible POU filter. Compressor operational.

No sampling deviations were made from the EPA Quality Assurance Project Plan (QAPP). No photos were taken.

#12 John M. Bailey  
75 West 10<sup>th</sup> Street, NJ 07002

Pre-Sampling Report Date: April 27, 2015  
Modified Pre-Sampling Report Date: April 30, 2015  
Sampling Date: April 21, 2016  
Sampling Report Date: April 21, 2016

Mr. Kubert stated on March 23, 2016 that BPS has for the past few weeks begun a daily flushing routine at all schools. School custodians will flush all outlets (except bathrooms/slop sinks) prior to student arrival for approximately 60 seconds.

Fourteen (14) potable water outlets, for a total of twenty-eight (28) (initial and follow-up) plus one (1) Field Reagent Blank were collected. All samples were preserved with nitric acid (HNO<sub>3</sub>) to a pH < 2 at the EPA Laboratory.

### **Attachments**

Chain of Custody's (3 pages)  
Building Floor Diagrams (3 pages)

Table 1. OUTLET/ PLUMBING/ SAMPLE CODE				Table 2. FUNCTIONAL SPACE	
CODE	TYPE OF OUTLET OR PLUMBING	INITIAL SCREENING (1 <sup>ST</sup> DRAW) SAMPLE	FOLLOW-UP SAMPLES	COD	FUNCTIONAL SPACE
	Service Connection to Distribution Main	1S	1M	KI	Kitchen
A	Bubblers Without Central Chiller	1A	2A	GY	Gymnasium
B	Bubblers with Central Chiller	1B	2B	CF	Cafeteria
-	Central Chiller Unit	-	3B, 4B	TC	Teachers' Cafeteria
C	Water Cooler	1C	2C, 3C, 4C	BC	Boys' Cafeteria
D	Bottled Water Dispensers	1D	2D	GC	Girls' Cafeteria
E	Ice Making Machines	1E	2E	CR	Classroom
F	Water Faucets (Tap)	1F	2F	HA	Hallway
	Interior Plumbing			BR	Bathroom
G	Laterals	-	1G	GB	Girls' Bathroom
H	Headers	-	1H	BB	Boys' Bathroom
I	Loops	-	1I	RM	Room
J	Risers	-	1J	OF	Office
				LB	Laboratory
				LI	Library
				MO	Medical Office
				BO	Boiler Room
				LR	Locker Room
				NM	Natatorium
				WP	Water Meter/Pump Room
				SS	Slop Sink

Table 3. FLOOR CODE	
CODE	FLOOR
SB	Sub Basement
BS	Basement
MZ	Mezzanine
01	1 <sup>st</sup> Floor
02	2 <sup>nd</sup> Floor
03	3 <sup>rd</sup> Floor
04	4 <sup>th</sup> Floor etc.

Table 4. CONSTRUCTION DATE CODE	
CODE	CONSTRUCTION
0	Original Construction
1	1 <sup>st</sup> Addition
2	2 <sup>nd</sup> Addition
3	1 <sup>st</sup> Modernization
4	2 <sup>nd</sup> Modernization

NOTE: EPA typically samples the highlighted outlets in Table 1.

CLIENT INFORMATION

Name: Bayonne Public Schools  
 Address: 669 Avenue A, Bayonne, NJ 07002  
 Client Rep: Dr. Patricia McGeehan Superintendent of Schools

EPA INFORMATION

Name: US Environmental Protection Agency - Region 2  
 Address: 2890 Woodbridge Ave., Edison, NJ 08837  
 Proj. Mgr: John Kushwara

PROJECT INFORMATION

LDG ID: \_\_\_\_\_  
 LDG No./Name: #12 John M. Bailey School  
 LDG Address: 75 West 10th Street, Bayonne NJ 07002  
 Contact Name & Numbers: Mike Kubert 201.858.5582 mkubert@bboed.org  
 (1) Yr. Built: 1911 (1) Yr. 1st Add.: 2000 (2) Yr. 2nd Add.: \_\_\_\_\_ (3) Yr. 1st Mod.: \_\_\_\_\_ (4) Yr. 2nd Mod.: \_\_\_\_\_

INSPECTOR(S): Erwin Smieszek (Lead) & Jim Kurtenbach

SAMPLING DATE: Thursday, April 21, 2016

SAMPLE DATA

Sample Description ID (ID must match container label)							Outlet Information				
Sample #	Floor	Functional Space Code	IN/BY	Room Number	Construc. Code	Sample/Outlet Code	Sampled Outlet Location/Coordinates number and Serial number	Model	0 Seconds	30 Seconds	Time of collection (24hr)
01		GRHABYCR6601A					Hallway by classroom 6		/		0448
02		GRHABYCR6602A					Hallway bubbler by classroom 6 2 bubblers - sampled LEFT no PVC filter		/		0451
03		GRERINCR6901F					classroom 7 no PVC filter		/		0458
04		GRERINCR6902F					no PVC filter		/		
05		GRHABYCR6501G					Hallway bubbler by classroom 5 2 bubblers - sampled LEFT		/		0504
06		GRHABYCR6502A					no PVC filter		/		
07		GRHABYCR6411B					PLKAY with COP compressed air Hallway chiller by classroom 4 (DNT)		/		0508
08		GRHABYCR6412B					no PVC filter visible compressed air		/		
09		GRHABYCR1101A					Hallway bubbler by classroom 11		/		0514
10		GRHABYCR1102A					no PVC filter		/		

4 containers are pre-cleaned/pre-certified 250ml. wide-mouth HDPE bottles.

CHAIN OF CUSTODY

Relinquished By: Erwin J. Smieszek	Received By: _____	Date/Time: 0520 0416
------------------------------------	--------------------	----------------------

GR - GROUND FLOOR  
 All samples are Lab Preserved  
 by W. Rickert @ 9:15 AM  
 SW 4/21/16

Method of shipment/delivery: Fed-Ex  Hand Delivery  US Mail  UPS  Courier  Other: \_\_\_\_\_

INSTRUCTIONS TO THE LABORATORY

<input type="checkbox"/> Analyze all samples.	Lab: US EPA - Region 2 2890 Woodbridge Ave. Edison, NJ 08837 Contact: Ness Tirol	Report Results to: Phone (732) 321-6686 Email: kushwara.john@epa.gov
-----------------------------------------------	-------------------------------------------------------------------------------------------	----------------------------------------------------------------------------

Comments: Provide Laboratory Data Report (LDR)

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INSPECTOR(S): Erwin Smieszek (Lead) & Jim Kurtenbach

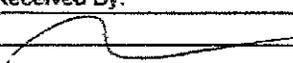
SAMPLING DATE: Thursday, April 21, 2016

SAMPLE DATA

Sample Description ID (ID must match container label)						Outlet Information					
Sample #	Floor	Functional Space Code	IN/BY	Room Number	Construc. Code	Sample/Outlet Code	Sampled Outlet Location/Coordinates number and Serial number	Model	0 Seconds	30 Seconds	Time of collection (24hr)
1	01	HABYMAIN	01B				Hallway Utility by Main Office		-	-	0519
2	01	HABYMAIN	02B				Side unit - free standing - no water supply. no flow filter visible - compressor visible		-	-	
3	01	CRINCR	0101F				DELTA HEATED "not drinking water" sign		-	-	0524
4	01	CRINCR	0102F				HEATER? on. no flow filter		-	-	
5	01	HABYCR	0201A				Hallway Utility by classroom 2		-	-	0528
6	01	HABYCR	0202A				no flow filter		-	-	
7	01	HABYCR	0511B				CRAY water BFSAB in 00115-05		-	-	0532
8	01	HABYCR	0512B				Hallway Utility by classroom 5 no flow filter compressor on		-	-	
9	02	HUINNURS	01F				WREST OFFICE - Rm 23 Funct		-	-	0538
10	02	HUINNURS	02F				screen off. no flow filter		-	-	
11	02	HABYCR	2701A				CR27 LIBRARY no flow filter by CR27		-	-	0543
12	02	HABYCR	2702A				no flow filter		-	-	

1 containers are pre-cleaned/pre-certified 250mL wide-mouth HDPE bottles.

CHAIN OF CUSTODY

Relinquished By:	Received By:	Date/Time:
Erwin Smieszek 4/21/16 05:17		05:20 4/21/16

Method of shipment/delivery: Fed-Ex  Hand Delivery  US Mail  UPS  Courier  Other:

INSTRUCTIONS TO THE LABORATORY

Analyze all samples.  
 Follow QAPP instructions  
 Preserve to preserve with HNO<sub>3</sub> at pH<2  
 Other:

Lab: US EPA - Region 2  
 2890 Woodbridge Ave.  
 Edison, NJ 08837  
 Contact: Ness Tirol

Report Results to:  
 Phone (732) 321-6686  
 Email: kushwara.john@epa.gov

Comments: Provide Laboratory Data Report (LDR)

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 Proj. Mgr: John Kushwara

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 Yr. Built: 1911 (1) Yr. 1st Add.: 2000 (2) Yr. 2nd Add.: (3) Yr. 1st Mod.: (4) Yr. 2nd Mod.:

INSPECTOR(S): Erwin Smieszek (Lead) & Jim Kurtenbach

SAMPLING DATE: Thursday, April 21, 2016

SAMPLE DATA

Sample Description ID (ID must match container label)						Outlet Information			
Sample #	Floor	Functional Space Code	IN/BY	Room Number	Construc. Code Sample/Outlet Code	Sampled Outlet Location/Coordinates number and Serial number	Model	0 Seconds 30 Seconds	Time of collection (24hr)
13	42	HABYCRIT01A				Anthony & Micky classroom 17		-	0547
14	42	HABYCRIT02A				N. 200 filter		-	
15	42	CFINTEAC01F				DELTA single lever Sensor Lite Faucet		-	0552
16	42	CFINTEAC02F				AERATOR N. 200 filter		-	
17	42	HABYCR2011B				CLAY with EBF 500 (E) 501101237504 Anthony Curran by Classroom 20		-	0556
18	42	HABYCR2012B				N. 200 filter visible Compressor: 07		-	

All containers are pre-cleaned/pre-certified 250mL wide-mouth HDPE bottles.

CHAIN OF CUSTODY

Relinquished By: Erwin J. Smieszek 4/21/16 08:27	Received By: [Signature]	Date/Time: 0830 04/21/16
--------------------------------------------------	--------------------------	--------------------------

Method of shipment/delivery: Fed-Ex  Hand Delivery  US Mail  UPS  Courier  Other:

INSTRUCTIONS TO THE LABORATORY

Analyze all samples.  
 Follow QAPP instructions  
 to preserve with HNO<sub>3</sub> at pH<2  
 Other: \_\_\_\_\_

Lab: US EPA - Region 2  
 2890 Woodbridge Ave.  
 Edison, NJ 08837  
 Contact: Ness Tirol

Report Results to:  
 Phone (732) 321-6686  
 Email: kushwara.john@epa.gov

Comments: Provide Laboratory Data Report (LDR)



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Region 2 Laboratory  
2890 Woodbridge Avenue  
Edison, New Jersey 08837  
732-906-6886 Phone  
732-906-6165 Fax**

May 02, 2016

John Kushwara  
Monitoring & Assessment Branch  
DESA/MAB  
Edison, NJ 08837

RE: BPS-#12 John M. Bailey School-1604036

Enclosed are the results of analyses for samples received by the laboratory on 04/21/2016. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1603046 and contact the laboratory.

Sincerely,

A handwritten signature in cursive script, appearing to read "John R. Bourbon".

John R. Bourbon  
Chief, DESA/LB

←---Please click here to complete the EPA Region 2 Lab Project Survey--->



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAP established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAP Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

- U- The analyte was not detected at or above the Reporting Limit.
- J- The identification of the analyte is acceptable; the reported value is an estimate.
- K- The identification of the analyte is acceptable; the reported value may be biased high.
- L- The identification of the analyte is acceptable; the reported value may be biased low.
- NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limits for each analyte requested.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
00 - JB-FRBLANK	1604036-01	Aqueous	04/21/2016 04:48	04/21/2016 08:30
01GRHABYCRG601A	1604036-02	Aqueous	04/21/2016 04:51	04/21/2016 08:30
02GRHABYCRG602A	1604036-03	Aqueous	04/21/2016 04:51	04/21/2016 08:30
03GRCRINCRG901F	1604036-04	Aqueous	04/21/2016 04:58	04/21/2016 08:30
04GRCRINCRG902F	1604036-05	Aqueous	04/21/2016 04:58	04/21/2016 08:30
05GRHABYCRG501A	1604036-06	Aqueous	04/21/2016 05:04	04/21/2016 08:30
06GRHABYCRG502A	1604036-07	Aqueous	04/21/2016 05:04	04/21/2016 08:30
07GRHABYCRG411B	1604036-08	Aqueous	04/21/2016 05:08	04/21/2016 08:30
08GRHABYCRG412B	1604036-09	Aqueous	04/21/2016 05:08	04/21/2016 08:30
0901HABYCR1101A	1604036-10	Aqueous	04/21/2016 05:14	04/21/2016 08:30
1001HABYCR1102A	1604036-11	Aqueous	04/21/2016 05:14	04/21/2016 08:30
1101HABYMAIN01B	1604036-12	Aqueous	04/21/2016 05:18	04/21/2016 08:30
1201HABYMAIN02B	1604036-13	Aqueous	04/21/2016 05:18	04/21/2016 08:30
1301CRINCR0101F	1604036-14	Aqueous	04/21/2016 05:24	04/21/2016 08:30
1401CRINCR0102F	1604036-15	Aqueous	04/21/2016 05:24	04/21/2016 08:30
1501HABYCR0201A	1604036-16	Aqueous	04/21/2016 05:28	04/21/2016 08:30
1601HABYCR0202A	1604036-17	Aqueous	04/21/2016 05:28	04/21/2016 08:30
1701HABYCR0511B	1604036-18	Aqueous	04/21/2016 05:32	04/21/2016 08:30
1801HABYCR0512B	1604036-19	Aqueous	04/21/2016 05:32	04/21/2016 08:30
1902MOINNURS01F	1604036-20	Aqueous	04/21/2016 05:38	04/21/2016 08:30
2002MOINNURS02F	1604036-21	Aqueous	04/21/2016 05:38	04/21/2016 08:30
2102HABYCR2701A	1604036-22	Aqueous	04/21/2016 05:43	04/21/2016 08:30
2202HABYCR2702A	1604036-23	Aqueous	04/21/2016 05:43	04/21/2016 08:30
2302HABYCR1701A	1604036-24	Aqueous	04/21/2016 05:47	04/21/2016 08:30
2402HABYCR1702A	1604036-25	Aqueous	04/21/2016 05:47	04/21/2016 08:30
2502CFINTEAC01F	1604036-26	Aqueous	04/21/2016 05:52	04/21/2016 08:30
2602CFINTEAC02F	1604036-27	Aqueous	04/21/2016 05:52	04/21/2016 08:30
2702HABYCR2011B	1604036-28	Aqueous	04/21/2016 05:56	04/21/2016 08:30
2802HABYCR2012B	1604036-29	Aqueous	04/21/2016 05:56	04/21/2016 08:30

U.S.E.P.A Region 2 Laboratory

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory**

**Final Report**

**Project: BPS-#12 John M. Bailey School-1604036**

**Project Number: 1603046**

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U.S.E.P.A Region 2 Laboratory

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
Lead	EPA 200.8 SOP C-112 Rev 3.3	NELAP	Aqueous



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 00 - JB-FRBLANK				
Sample ID: 1604036-01				
Metals ICPMS				
Lead	--	U	1.0	ug/L
Field ID: 01GRHABYCRG601A				
Sample ID: 1604036-02				
Metals ICPMS Hallway bubbler by				
Lead	6.9		1.0	ug/L
				Room G6
				1st draw
Field ID: 02GRHABYCRG602A				
Sample ID: 1604036-03				
Metals ICPMS Hallway bubbler by				
Lead	2.8		1.0	ug/L
				Room G6
				2nd draw
Field ID: 03GRCRINCRG901F				
Sample ID: 1604036-04				
Metals ICPMS Faucet Room G9				
Lead	3.0		1.0	ug/L
				1st draw
Field ID: 04GRCRINCRG902F				
Sample ID: 1604036-05				
Metals ICPMS Faucet Room G9				
Lead	--	U	1.0	ug/L
				2nd draw
Field ID: 05GRHABYCRG501A				
Sample ID: 1604036-06				
Metals ICPMS Hallway bubbler by				
Lead	5.3		1.0	ug/L
				Room G5
				1st draw
Field ID: 06GRHABYCRG502A				
Sample ID: 1604036-07				
Metals ICPMS				



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

Analyte		Result	Qualifier	Reporting Limit	Units
Field ID: 06GRHABYCRG502A		Sample ID: 1604036-07			
Metals ICPMS	Hallway bubbler by Room G5				
Lead	2nd draw	2.5		1.0	ug/L
Field ID: 07GRHABYCRG411B		Sample ID: 1604036-08			
Metals ICPMS	Hallway chiller by Room G4				
Lead	1st draw	--	U	1.0	ug/L
Field ID: 08GRHABYCRG412B		Sample ID: 1604036-09			
Metals ICPMS	Hallway chiller by Room G4				
Lead	2nd draw	--	U	1.0	ug/L
Field ID: 0901HABYCR1101A		Sample ID: 1604036-10			
Metals ICPMS	Hallway bubbler by Room 11				
Lead	1st draw	3.1		1.0	ug/L
Field ID: 1001HABYCR1102A		Sample ID: 1604036-11			
Metals ICPMS	Hallway bubbler by Room 11				
Lead	2nd draw	--	U	1.0	ug/L
Field ID: 1101HABYMAIN01B		Sample ID: 1604036-12			
Metals ICPMS	Hallway chiller by Main Office				
Lead	1st draw	1.2		1.0	ug/L
Field ID: 1201HABYMAIN02B		Sample ID: 1604036-13			
Metals ICPMS					



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 1201HABYMAIN02B				
Sample ID: 1604036-13				
Metals ICPMS Lead	Hallway chiller by Main Office 2nd draw	1.7	1.0	ug/L
Field ID: 1301CRINCR0101F				
Sample ID: 1604036-14				
Metals ICPMS Lead	Faucet Room 1 1st draw	25	1.0	ug/L
Field ID: 1401CRINCR0102F				
Sample ID: 1604036-15				
Metals ICPMS Lead	Faucet Room 1 2nd draw	2.6	1.0	ug/L
Field ID: 1501HABYCR0201A				
Sample ID: 1604036-16				
Metals ICPMS Lead	Hallway bubbler by Room 2 1st draw	7.9	1.0	ug/L
Field ID: 1601HABYCR0202A				
Sample ID: 1604036-17				
Metals ICPMS Lead	Hallway bubbler by Room 2 2nd draw	1.6	1.0	ug/L
Field ID: 1701HABYCR0511B				
Sample ID: 1604036-18				
Metals ICPMS Lead	Hallway chiller by Room 5 1st draw	---	U	1.0 ug/L
Field ID: 1801HABYCR0512B				
Sample ID: 1604036-19				
Metals ICPMS Lead	Hallway chiller by Room 5 2nd draw	---	U	1.0 ug/L



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 1902MOINNURS01F		Sample ID: 1604036-20		
Metals ICPMS	Faucet Nurses' Office			
Lead	1st draw	1.9	1.0	ug/L
Field ID: 2002MOINNURS02F		Sample ID: 1604036-21		
Metals ICPMS	Faucet Nurses' Office			
Lead	2nd draw	--	1.0	ug/L
Field ID: 2102HABYCR2701A		Sample ID: 1604036-22		
Metals ICPMS	Hallway bubbler by			
Lead	Room 27 1st draw	2.6	1.0	ug/L
Field ID: 2202HABYCR2702A		Sample ID: 1604036-23		
Metals ICPMS	Hallway bubbler by			
Lead	Room 27 2nd draw	--	1.0	ug/L
Field ID: 2302HABYCR1701A		Sample ID: 1604036-24		
Metals ICPMS	Hallway bubbler by			
Lead	Room 17 1st draw	24	1.0	ug/L
Field ID: 2402HABYCR1702A		Sample ID: 1604036-25		
Metals ICPMS	Hallway bubbler by			
Lead	Room 17 2nd draw	2.9	1.0	ug/L
Field ID: 2502CFINTEAC01F		Sample ID: 1604036-26		
Metals ICPMS				



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Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 2502CFINTEAC01F				
Sample ID: 1604036-26				
Metals ICPMS				
Lead	---	U	1.0	ug/L
Faucet Teachers Cafeteria 1st draw				
Field ID: 2602CFINTEAC02F				
Sample ID: 1604036-27				
Metals ICPMS				
Lead	1.1		1.0	ug/L
Faucet Teachers Cafeteria 2nd draw				
Field ID: 2702HABYCR2011B				
Sample ID: 1604036-28				
Metals ICPMS				
Lead	---	U	1.0	ug/L
Hallway chiller by Room 20 1st draw				
Field ID: 2802HABYCR2012B				
Sample ID: 1604036-29				
Metals ICPMS				
Lead	---	U	1.0	ug/L
Hallway chiller by Room 20 2nd draw				



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1604036

Project Number: 1603046

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
Lead	EPA 200.8 SOP C-112 Rev 3.3	NELAP	Aqueous



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Region 2 Laboratory  
2890 Woodbridge Avenue  
Edison, New Jersey 08837  
732-906-6886 Phone  
732-906-6165 Fax**

June 30, 2016

John Kushwara  
Monitoring & Assessment Branch  
DESA/MAB  
Edison, NJ 08837

RE: BPS-#12 John M. Bailey School-1606043

Enclosed are the results of analyses for samples received by the laboratory on 06/16/2016. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1606038 and contact the laboratory.

Sincerely,

A handwritten signature in cursive script, appearing to read "John R. Bourbon".

John R. Bourbon  
Chief, DESA/LB



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1606043

Project Number: 1606038

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAP established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAP Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

- U- The analyte was not detected at or above the Reporting Limit.
- J- The identification of the analyte is acceptable; the reported value is an estimate.
- K- The identification of the analyte is acceptable; the reported value may be biased high.
- L- The identification of the analyte is acceptable; the reported value may be biased low.
- NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limits for each analyte requested.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1606043

Project Number: 1606038

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
00 -JB-FRBLANK	1606043-01	Aqueous	06/16/2016 05:19	06/16/2016 08:30
1301CRINCR0101F	1606043-02	Aqueous	06/16/2016 05:20	06/16/2016 08:30
1401CRINCR0102F	1606043-03	Aqueous	06/16/2016 05:20	06/16/2016 08:30
2302HABYCR1701A	1606043-04	Aqueous	06/16/2016 05:23	06/16/2016 08:30
2402HABYCR1702A	1606043-05	Aqueous	06/16/2016 05:23	06/16/2016 08:30



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

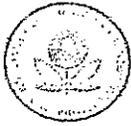
Final Report

Project: BPS-#12 John M. Bailey School-1606043

Project Number: 1606038

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
Lead	EPA 200.8 SOP C-112 Rev 3.4	NELAP	Aqueous



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1606043

Project Number: 1606038

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
<b>Field ID: 00 -JB-FRBLANK</b>					
<b>Sample ID: 1606043-01</b>					
Metals ICPMS					
Lead	---	U	1.0	ug/L	
<b>Field ID: 1301CRINCR0101F</b>					
<b>Sample ID: 1606043-02</b>					
Metals ICPMS					
Lead	20		1.0	ug/L	Faucet Room 1 1st draw
<b>Field ID: 1481CRINCR0102F</b>					
<b>Sample ID: 1606043-03</b>					
Metals ICPMS					
Lead	1.1		1.0	ug/L	
<b>Field ID: 2302HABYCR1701A</b>					
<b>Sample ID: 1606043-04</b>					
Metals ICPMS					
Lead	28		1.0	ug/L	Hallway bubbler by Room 17 1st draw
<b>Field ID: 2402HABYCR1702A</b>					
<b>Sample ID: 1606043-05</b>					
Metals ICPMS					
Lead	4.1		1.0	ug/L	



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Region 2 Laboratory  
2890 Woodbridge Avenue  
Edison , New Jersey 08837  
732-906-6886 Phone  
732-906-6165 Fax**

October 04, 2016

John Kushwara  
Monitoring & Assessment Branch  
DESA/MAB  
Edison, NJ 08837

RE: BPS-#12 John M. Bailey School-1609022

Enclosed are the results of analyses for samples received by the laboratory on 09/01/2016. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1609008 and contact the laboratory.

Sincerely,

A handwritten signature in cursive script, appearing to read "John R. Bourbon".

John R. Bourbon  
Chief, DESA/LB



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1609022

Project Number: 1609008

**Project Narrative:**

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

- U- The analyte was not detected at or above the Reporting Limit.
- J- The identification of the analyte is acceptable; the reported value is an estimate.
- K- The identification of the analyte is acceptable; the reported value may be biased high.
- L- The identification of the analyte is acceptable; the reported value may be biased low.
- NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limits for each analyte requested.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1609022

Project Number: 1609008

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
00-JB-FRBLANK	1609022-01	Aqueous	09/01/2016 05:56	09/01/2016 09:00
1301CRINCR0101F	1609022-02	Aqueous	09/01/2016 05:57	09/01/2016 09:00
1401CRINCR0102F	1609022-03	Aqueous	09/01/2016 05:57	09/01/2016 09:00



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1609022

Project Number: 1609008

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
Lead	EPA 200.8 SOP C-112 Rev 3.4	NELAP	Aqueous



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1609022

Project Number: 1609008

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: 00-JB-FRBLANK			Sample ID: 1609022-01		
Metals ICPMS Lead	Faucet Room 1 1st draw	---	U	1.0 ug/L	
Field ID: 1301CRINCR0101F			Sample ID: 1609022-02		
Metals ICPMS Lead	Faucet Room 1 2nd draw	---	U	1.0 ug/L	
Field ID: 1401CRINCR0102F			Sample ID: 1609022-03		
Metals ICPMS Lead		---	U	1.0 ug/L	

CLIENT INFORMATION

Name: Bayonne Public Schools  
 Address: 669 Avenue A, Bayonne, NJ 07002  
 Contact Rep: Dr. Patricia McGeehan Superintendent of Schools

EPA INFORMATION

Name: US Environmental Protection Agency - Region 2  
 Address: 2890 Woodbridge Ave., Edison, NJ 08837  
 Proj.Mgr: John Kushwara

SCHOOL/PROJECT INFORMATION

BLDG ID:  
 BLDG No./Name: #12 John M. Bailey School  
 BLDG Address: 75 West 10th Street, Bayonne NJ 07002  
 Contact Name & Numbers: Mike Kubert 201.858.5582 mkubert@bboed.org  
 (1) Yr. Built: 1911 (1) Yr. 1st Add.: 2000 (2) Yr. 2nd Add.: (3) Yr. 1st Mod.: (4) Yr. 2nd Mod.:

INSPECTOR(S): Erwin Smieszek (Lead) & Bob Morrell

SAMPLING DATE: Thursday, September 1, 2016

SAMPLE DATA

Sample Description ID (ID must match container label)							Outlet Information				
Sample #	Floor	Functional Space Code	IN/BY	Room Number	Construc. Code	Sample/Outlet Code	Sampled Outlet Location/Coordinates number and Serial number	Model	0 Seconds	30 Seconds	Time of collection (24hr)
00							Classroom 1				0556
1301							Classroom 1 Delta/metered				0557
1401							3.4 filter 3MFFP101 with timer installed 7/14/16				

All containers are pre-cleaned/pre-certified 250mL wide-mouth HDPE bottles.

CHAIN OF CUSTODY

Relinquished By:	Received By:	Date/Time:
Erwin J. Smieszek	[Signature]	09/01/16 9:20 AM
[Signature]	[Signature]	9/1/16 9:30

Preserved at 0914 on 9/1/16 un

Method of shipment/delivery: Fed-Ex  Hand Delivery  US Mail  UPS  Courier  Other:

INSTRUCTIONS TO THE LABORATORY

Analyze all samples.  
 Follow QAPP instructions  
 Lab to preserve with HNO<sub>3</sub> at pH<2  
 Other:

Lab: US EPA - Region 2  
 2890 Woodbridge Ave.  
 Edison, NJ 08837  
 Contact: Ness Tirol

Report Results to:  
 Phone (732) 321-6686  
 Email: kushwara.john@epa.gov

Comments: Provide Laboratory Data Report (LDR)

# CODES REFERENCE TABLES

Table 1. OUTLET/ PLUMBING/ SAMPLE CODE				Table 2. FUNCTIONAL SPACE	
CODE	TYPE OF OUTLET OR PLUMBING	INITIAL SCREENING (1 <sup>ST</sup> DRAW) SAMPLE	FOLLOW-UP SAMPLES	COD E	FUNCTIONAL SPACE
S	Service Connection to Distribution Main	IS	1M	KI	Kitchen
A	Bubblers Without Central Chiller	1A	2A	GY	Gymnasium
B	Bubblers with Central Chiller	1B	2B	CF	Cafeteria
-	Central Chiller Unit	-	3B, 4B	TC	Teachers' Cafeteria
C	Water Cooler	1C	2C, 3C, 4C	BC	Boys' Cafeteria
D	Bottled Water Dispensers	1D	2D	GC	Girls' Cafeteria
E	Ice Making Machines	1E	2E	CR	Classroom
F	Water Faucets (Tap)	1F	2F	HA	Hallway
	Interior Plumbing			BR	Bathroom
G	Laterals	-	1G	GB	Girls' Bathroom
H	Headers	-	1H	BB	Boys' Bathroom
I	Loops	-	1I	RM	Room
J	Risers	-	1J	OF	Office
				LB	Laboratory
				LI	Library
				MO	Medical Office
				BO	Boiler Room
				LR	Locker Room
				NM	Natatorium
				WP	Water Meter/Pump Room
				SS	Slop Sink

Table 3. FLOOR CODE	
CODE	FLOOR
SB	Sub Basement
BS	Basement
MZ	Mezzanine
01	1 <sup>st</sup> Floor
02	2 <sup>nd</sup> Floor
03	3 <sup>rd</sup> Floor
04	4 <sup>th</sup> Floor, etc.

Table 4. CONSTRUCTION DATE CODE	
CODE	CONSTRUCTION
0	Original Construction
1	1 <sup>st</sup> Addition
2	2 <sup>nd</sup> Addition
3	1 <sup>st</sup> Modernization
4	2 <sup>nd</sup> Modernization

NOTE: EPA typically samples the highlighted outlets in Table 1.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1609022

Project Number: 1609008

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: 00-JB-FRBLANK			Sample ID: 1609022-01		
Metals ICPMS Lead	--	U	1.0	ug/L	
Field ID: 1301CRINCR0101F			Sample ID: 1609022-02		
Metals ICPMS Lead	---	U	1.0	ug/L	
Field ID: 1401CRINCR0102F			Sample ID: 1609022-03		
Metals ICPMS Lead	---	U	1.0	ug/L	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2 Laboratory

Final Report

Project: BPS-#12 John M. Bailey School-1609022

Project Number: 1609008

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: 00-JB-FRBLANK			Sample ID: 1609022-01		
Metals ICPMS Lead	Faucet Room 1 1st draw	--	U	1.0 ug/L	
Field ID: 1301CRINCR0101F			Sample ID: 1609022-02		
Metals ICPMS Lead	Faucet Room 1 2nd draw	--	U	1.0 ug/L	
Field ID: 1401CRINCR0102F			Sample ID: 1609022-03		
Metals ICPMS Lead		--	U	1.0 ug/L	

