

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:



Mary J. Donohue School #4 is a K-8 grade school built in 1900. An addition was added in 2000. To the left is a photo of the front entrance (Orient Street) taken by EPA.

BPS Sampling/Analytical Results/Remediation:

BPS staff had conducted sampling of Mary J. Donohue School on April 16, 2014. Sampling began on the 1st floor, then 2nd floor, then 3rd floor and then basement where BPS collected 500mL first draw samples for a total of 19 sampled outlets. BPS sampling included bathroom room. Analytical results were compared to the EPA Lead and Copper Rule (LCR) action limit of 15ppb. Two (2) results exceeded the 15ppb action limit, the Basement Boiler Room (1610ppb) and 3rd Floor Hallway bubbler next to Room 13C (127ppb). BPS removed and replaced the bubbler which is currently shut-off with a bag over the bubbler.

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 (East 5th Street) enters the basement/first floor, 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: Bathrooms have outlet motion sensors.

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.

| | | |
|-----------------------|--------------|--|
| Basement | Boiler Room | Water Main (enters East 5 th street) and Meter (Brass) |
| | Boiler Room | BPS hose-bib – recommend sign “not to be used for consumption”. |
| 1 st Floor | Hallway | Bubbler by Room 5A. <u>Plastic bag covering bubbler.</u> |
| | Hallway | Bubbler by Resource Room. |
| | Storage | Faucet. |
| | Hallway | Chiller by Kindergarten Room 1 |
| | Room 1 | Bubbler and Faucet in Kindergarten Room 1. |
| | Room 2 | Faucet in Kindergarten Room 2. |
| 2 nd Floor | Hallway | Bubbler by Room 11B. |
| | Hallway | Bubbler by Room 6B. |
| | Nurse | Faucet (screen on). |
| | Teachers | Faucet. |
| 3 rd Floor | Hallway | Bubbler by Room 19C. |
| | Hallway | Bubbler by Room 13C. BPS replaced. <u>Bubbler shut-off, plastic bag.</u> |
| | Hallway | Chiller by Music Room |
| | Professional | Bubbler and Faucet in Professional Development room. |
| | Music Room | Bubbler and Faucet. |
| | Art Room | Bubbler and Faucet. |

Note: Bathrooms have outlet motion sensors.

te: 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.

| | | |
|-----------------------|-------------------|--|
| Basement | Boiler Room | Water Main (enters East 5 th street) and Meter (Brass) |
| | Boiler Room | BPS hose-bib – recommend sign “not to be used for consumption”. |
| 1 st Floor | Hallway <i>OK</i> | Bubbler by Room 5A. <u>Plastic bag covering bubbler.</u> |
| | Hallway | Bubbler by Resource Room. |
| | Storage | Faucet. |
| | Hallway | Chiller by Kindergarten Room 1 |
| | Room 1 | Bubbler and Faucet in Kindergarten Room 1. |
| | Room 2 | Faucet in Kindergarten Room 2. |
| 2 nd Floor | Hallway | Bubbler by Room 11B. |
| | Hallway | Bubbler by Room 6B. |
| | Nurse | Faucet (screen on). |
| | Teachers | Faucet. |
| 3 rd Floor | Hallway | Bubbler by Room 19C. |
| | Hallway <i>OK</i> | Bubbler by Room 13C. BPS replaced. <u>Bubbler shut-off, plastic bag.</u> |
| | Hallway | Chiller by Music Room |
| | Professional | Bubbler and Faucet in Professional Development room. |
| | Music Room | Bubbler and Faucet. |
| | Art Room | Bubbler and Faucet. |

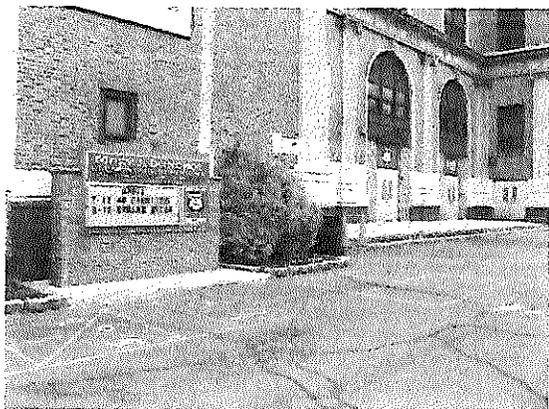
OK
MR & BK

Manny and Billy

Attendees:

Mike Kubert, BPS Superintendent Buildings & Grounds Foundation
Scott Nolan, BPS BOE Code Compliance Supervisor
Erwin Smieszek, EPA New Jersey Office – Sampling Lead
Kate Drisco, EPA New Jersey Office – Sampler
Alex Rivera, EPA Caribbean Office on detail - Observer

Building Photo and Description:



Mary J. Donohue School #4 is a K-8 grade school built in 1900. An addition was added in 2000. To the left is a photo of the front entrance (Orient Street) taken by EPA on April 8, 2015.

Pre-Sampling Walk-thru:

On Wednesday, April 8, 2015, Erwin Smieszek (Lead) and Sarah Peterson conducted a Lead in Drinking Water pre-sampling walk-thru of #4 Mary J. Donohoe School. See April 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 Wednesday, April 27, 2016, EPA Inspectors Erwin Smieszek (Inspection Lead), Kate Drisco and Observer, Alex Rivera conducted a Lead in Drinking Water sampling event at the BPS #4 Mary J. Donohoe School. EPA met and presented credentials to BPS Mike Kubert and Scott Nolan. Mr. Kubert and Mr. Nolan accompanied EPA during the sampling event. There were no other personnel in the school during sampling. Mr. Kubert stated that no water was used from the building since 7:30pm April 26, 2016 and the building was locked at 7:30pm on April 26, 2016. The schools after school program ended at approximately 5:30pm on April 26, 2016. There were no do not use water signs posted at the School Door #2 entrance/exit to indicate that water sampling was to be conducted.

Sampling Design/Process and Observations:

The water main is located in the Basement. 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 First Floor Hallway by Classroom 5A (near sample 1/02) 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 verbal 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) |
|--|---------------|--|---|
| Note: Boiler Room hose bib BPS sampled in 2014 has been removed. New piping installed. | | | |
| 1 st Floor | 00 | Hallway by Classroom 5A | Field Reagent Blank. |
| 1 st Floor | 1/2 | Hallway Bubbler by Classroom 5A | Halsey Taylor m/n HRFS8 s/n 050814473 No POU filter |
| 1 st Floor | 3/4 | Hallway Bubbler by Principal Office | No POU filter. |
| 1 st Floor | 5/6 | Lunch Prep Room faucet | 2 POU filters. One cold and one for hot water. Screen off. |
| 1 st Floor | 7/8 | Hallway Chiller by Classroom K1 | Elkay m/n and s/n close to floor. Could not read. No visible POU filter. Compressor did not operate during sampling. |
| 1 st Floor | 9/10 | Classroom K1 faucet Kindergarten | Screen on. No POU filter. |
| 1 st Floor | 11/12 | Classroom K2 faucet Kindergarten | When cold water handle turned on, hot water side leaked at base. Screen on. No POU filter. |
| 2 nd Floor | 13/14 | Hallway Bubbler by Classroom 11B | No POU filter |
| 2 nd Floor | 15/16 | Nurse Faucet | Delta – metered Aerator on. POU filter on. Case of bottled water observed. |
| 2 nd Floor | 17/18 | Hallway Bubbler by Classroom 6B | No POU filter |
| 2 nd Floor | 19/20 | Teacher Café Faucet. | Bubbler and Faucet. Sampled faucet. Cold water base was leaking upon arrival and leaked during sampling. Aerator on. No POU filter. |
| 3 rd Floor | 21/22 | Hallway Bubbler by Classroom 19C | Elkay m/n EDFFP210CB s/n 141226567 No POU filter |
| Note: Hallway bubbler by Classroom 13C removed. No outlet – no sample collected. | | | |
| 3 rd Floor | 23/24 | Teachers Professional Development Faucet | Bubbler and Faucet. Sampled faucet. Screen on. No POU filter. |
| 3 rd Floor | 25/26 | Hallway Chiller by Music Room | Elkay m/n and s/n low to floor. Could not read. No visible POU filter. Compressor operational. |

| | | | |
|-----------------------|-------|-------------------------|---|
| 2 nd Floor | 27/28 | Classroom Music bubbler | Bubbler and Faucet. Sampled bubbler. No POU filter. |
| 3 rd Floor | 29/30 | Classroom Art bubbler | Bubbler and Faucet. Sampled bubbler. No POU filter. |

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

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.

Mr. Kubert stated on April 22, 2016 that BPS has been providing bottled water to each school nurse.

Fifteen (15) potable water outlets, for a total of thirty (30) (initial and follow-up) plus one (1) Field Reagent Blank were collected. All samples were preserved with nitric acid (HNO₃) to a pH < 2 at the EPA Laboratory.

Attachments

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

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

LDG/PROJECT INFORMATION

LDG ID:
 LDG No./Name: #4 Mary J. Donohoe School
 LDG Address: 25 East 5th Street, Bayonne NJ 07002
 Contact Name & Numbers: Mike Kubert 201.858.5582 mkubert@bboed.org
 (1) Yr. 1st Add.: 1900 (2) Yr. 2nd Add.: 2000 (3) Yr. 1st Mod.: (4) Yr. 2nd Mod.:

INSPECTOR(S): Erwin Smieszek (Lead) & Kate Drisco

SAMPLING DATE: Wednesday, April 27, 2016

SAMPLE DATA

| Sample Description ID (ID must match container label) | | | | | | | Outlet Information | | | | |
|---|-------|-----------------------|-------|-------------|----------------|--------------------|--|-------|-----------|------------|---------------------------|
| Sample # | Floor | Functional Space Code | IN/RY | Room Number | Construc. Code | Sample/Outlet Code | Sampled Outlet Location/Coordinates number and Serial number | Model | 0 Seconds | 30 Seconds | Time of collection (24hr) |
| 23 | 03 | RMIN | DVLP | 11F | | | Teacher Professional Development Room B. Mole/facet - sampled faucet - no filter | | | | 0528 |
| 24 | 03 | RMIN | DVLP | 12F | | | screen on. no per filter | | | | |
| 25 | 03 | HAB | YMUSI | 11B | | | Energy up 20 ft to low to floor to ceiling Heating Chiller by music room | | | | 0532 |
| 26 | 03 | HAB | YMUSI | 12B | | | concrete material. No visible per filter | | | | |
| 27 | 03 | CRIM | MUSI | 11A | | | music classroom bubble/facet sampled bubble | | | | 0535 |
| 28 | 03 | CRIM | MUSI | 12A | | | no per filter | | | | |
| 29 | 03 | CRIN | CART | 11A | | | ART classroom bubble/facet - sample bubble | | | | 0538 |
| 30 | 03 | CRIN | CART | 12A | | | no filter | | | | |

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

CHAIN OF CUSTODY

| | | |
|------------------------------------|--------------------------|---------------------------|
| Relinquished By: Erwin J. Smieszek | Received By: [Signature] | Date/Time: 04/27/16 11:20 |
|------------------------------------|--------------------------|---------------------------|

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

INSTRUCTIONS TO THE LABORATORY

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> Analyze all samples. <input checked="" type="checkbox"/> Follow QAPP instructions <input type="checkbox"/> to preserve with HNO ₃ 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)

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: #4 Mary J. Donohoe School
LDG Address: 25 East 5th Street, Bayonne NJ 07002
Contact Name & Numbers: Mike Kubert 201.858.5582 mkubert@bboed.org
(1) Yr. Built: 1900 **(1) Yr. 1st Add.:** 2000 **(2) Yr. 2nd Add.:** **(3) Yr. 1st Mod.:** **(4) Yr. 2nd Mod.:**

INSPECTOR(S): Erwin Smieszek (Lead) & Kate Drisco **SAMPLING DATE:** Wednesday, April 27, 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) |
| 11 | 01 | CR INCKR | 211 | F | Classroom K2 Faucet | | Hot water side pipe leaked when cold water side turned on | | - | - | 0500 |
| 12 | 01 | CR INCKR | 212 | F | Acetator on | | Acetator on - no air filter | | - | - | |
| 3 | 02 | HABY C11 | B21A | A | Hallway 3-bbler by classroom 11B | | | | - | - | 0507 |
| 4 | 02 | HABY C11 | B22A | A | No air filter | | | | - | - | |
| 15 | 02 | MO IN NURS | B1 | F | Delta metered nurse office | | | | - | - | 0511 |
| 16 | 02 | MO IN NURS | B2 | F | Acetator on | | | | - | - | |
| 17 | 02 | HABY CR6 | B41A | A | Hallway 3-bbler by Classroom 6B | | | | - | - | 0516 |
| 18 | 02 | HABY CR6 | B42A | A | No air filter | | | | - | - | |
| 19 | 02 | TC IN TEAC | 11 | F | Sibbler/Faucet sampled | | no air filter | | - | - | 0519 |
| 20 | 02 | TC IN TEAC | 12 | F | Acetator on | | no air filter | | - | - | |
| 21 | 03 | HABY C19 | C41A | A | Hallway - in EDP 210C B | | EDFP 210C B 7/11/141226507 | | - | - | 0523 |
| 22 | 03 | HABY C19 | C42A | A | Hallway 3-bbler by classroom 19C | | | | - | - | |

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

CHAIN OF CUSTODY

| | | |
|--|---------------------|------------------------------------|
| Relinquished By: Erwin J. Smieszek | Received By: | Date/Time: 04/27/16 0530 |
|--|---------------------|------------------------------------|

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 HNO₃ 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)

CLIENT INFORMATION

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Name: US Environmental Protection Agency - Region 2
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SCHOOL/PROJECT INFORMATION

LDG ID: _____
 LDG No./Name: #4 Mary J. Donohoe School
 LDG Address: 25 East 5th Street, Bayonne NJ 07002
 Contact Name & Numbers: Mike Kubert 201.858.5582 mkubert@bboed.org
 Yr. Built: 1900 (1) Yr. 1st Add.: 2000 (2) Yr. 2nd Add.: _____ (3) Yr. 1st Mod.: _____ (4) Yr. 2nd Mod.: _____

INSPECTOR(S): Erwin Smieszek (Lead) & Kate Drisco SAMPLING DATE: Wednesday, April 27, 2016

SAMPLE DATA

| Sample Description ID (ID must match container label) | | | | | | | Outlet Information | | | | | |
|---|-------|------------|------------|------|-------------|----------------|--------------------|--|-------|-----------|------------|---------------------------|
| Sample # | Floor | Functional | Space Code | INBY | 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 | | | | | | | | hallway by Classroom SA | | | | 0439 |
| 01 | | | | | | | | hallway Taylor via HRF'S B s/n 032014973 | | | | 0442 |
| 02 | | | | | | | | hallway hallway by Classroom SA | | | | |
| | | | | | | | | no PVC filter | | | | |
| 03 | | | | | | | | hallway hallway by Principals office | | | | 0447 |
| 04 | | | | | | | | no PVC filter | | | | |
| 05 | | | | | | | | lunch prep room faucet | | | | 0451 |
| 06 | | | | | | | | 2 PVC filter (HOT AND COOL) SIDE | | | | |
| | | | | | | | | screen off | | | | |
| 07 | | | | | | | | Energy exhaust compressor to above floor | | | | 0455 |
| 08 | | | | | | | | no PVC filter outside hallway outside | | | | |
| 09 | | | | | | | | chiller compressor not operational during sampling | | | | |
| 10 | | | | | | | | Classroom W1 Faucet | | | | 0458 |
| 11 | | | | | | | | screen on no PVC filter | | | | |

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

CHAIN OF CUSTODY

| | | |
|------------------------------------|--------------------|---------------------------|
| Relinquished By: Erwin J. Smieszek | Received By: _____ | Date/Time: 04/27/16 08:30 |
| | | |

All Samples are to be presented by w. Rickett @ 10:00 AM on 4/27/16

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

INSTRUCTIONS TO THE LABORATORY

| | | |
|---|------------------------|------------------------------|
| Analyze all samples. | Lab: US EPA - Region 2 | Report Results to: |
| Follow QAPP instructions | 2890 Woodbridge Ave. | Phone (732) 321-6686 |
| Label to preserve with HNO ₃ at pH<2 | Edison, NJ 08837 | Email: kushwara.john@epa.gov |
| Other: _____ | Contact: Ness Tirol | |

Comments: Provide Laboratory Data Report (LDR)

Table 1.
OUTLET/ PLUMBING/ SAMPLE CODE

| CODE | TYPE OF OUTLET OR PLUMBING | INITIAL SCREENING (1 ST DRAW) SAMPLE | FOLLOW-UP SAMPLES |
|------|---|--|----------------------|
| | Service Connection to Distribution Main | 1S | 1M |
| A | Bubblers Without Central Chiller | 1A | 2A |
| B | Bubblers with Central Chiller | 1B | 2B |
| - | Central Chiller Unit | - | 3B, 4B |
| C | Water Cooler | 1C | 2C, 3C, 4C |
| D | Bottled Water Dispensers | 1D | 2D |
| E | Ice Making Machines | 1E | 2E |
| F | Water Faucets (Tap) | 1F | 2F |
| | Interior Plumbing | | |
| G | Laterals | - | 1G |
| H | Headers | - | 1H |
| I | Loops | - | 1I |
| J | Risers | - | 1J |

Table 2.
FUNCTIONAL SPACE

| COD | FUNCTIONAL SPACE |
|-----|-----------------------|
| KI | Kitchen |
| GY | Gymnasium |
| CF | Cafeteria |
| TC | Teachers' Cafeteria |
| BC | Boys' Cafeteria |
| GC | Girls' Cafeteria |
| CR | Classroom |
| HA | Hallway |
| BR | Bathroom |
| GB | Girls' Bathroom |
| BB | Boys' Bathroom |
| RM | Room |
| 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 st Floor |
| 02 | 2 nd Floor |
| 03 | 3 rd Floor |
| 04 | 4 th Floor etc |

Table 4.
CONSTRUCTION DATE CODE

| CODE | CONSTRUCTION |
|------|-------------------------------|
| 0 | Original Construction |
| 1 | 1 st Addition |
| 2 | 2 nd Addition |
| 3 | 1 st Modernization |
| 4 | 2 nd Modernization |

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

May 12, 2016

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

RE: BPS-#4 Mary J. Donohoe School-1604046

Enclosed are the results of analyses for samples received by the laboratory on 04/27/2016. 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-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

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-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

SUMMARY REPORT FOR SAMPLES

| Field ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|---------|------------------|------------------|
| 00 - MD-FRBLANK | 1604046-01 | Aqueous | 04/27/2016 04:39 | 04/27/2016 08:30 |
| 0101HABYCR5A01A | 1604046-02 | Aqueous | 04/27/2016 04:42 | 04/27/2016 08:30 |
| 0201HABYCR5A02A | 1604046-03 | Aqueous | 04/27/2016 04:42 | 04/27/2016 08:30 |
| 0301HABYPRIN01A | 1604046-04 | Aqueous | 04/27/2016 04:47 | 04/27/2016 08:30 |
| 0401HABYPRIN02A | 1604046-05 | Aqueous | 04/27/2016 04:47 | 04/27/2016 08:30 |
| 0501RMINPREP01F | 1604046-06 | Aqueous | 04/27/2016 04:51 | 04/27/2016 08:30 |
| 0601RMINPREP02F | 1604046-07 | Aqueous | 04/27/2016 04:51 | 04/27/2016 08:30 |
| 0701HABYK1K211B | 1604046-08 | Aqueous | 04/27/2016 04:55 | 04/27/2016 08:30 |
| 0801HABYK1K212B | 1604046-09 | Aqueous | 04/27/2016 04:55 | 04/27/2016 08:30 |
| 0901CRINCRK111F | 1604046-10 | Aqueous | 04/27/2016 04:58 | 04/27/2016 08:30 |
| 1001CRINCRK112F | 1604046-11 | Aqueous | 04/27/2016 04:58 | 04/27/2016 08:30 |
| 1101CRINCRK211F | 1604046-12 | Aqueous | 04/27/2016 05:00 | 04/27/2016 08:30 |
| 1201CRINCRK212F | 1604046-13 | Aqueous | 04/27/2016 05:00 | 04/27/2016 08:30 |
| 1302HABYC11B01A | 1604046-14 | Aqueous | 04/27/2016 05:07 | 04/27/2016 08:30 |
| 1402HABYC11B02A | 1604046-15 | Aqueous | 04/27/2016 05:07 | 04/27/2016 08:30 |
| 1502MOINNURS01F | 1604046-16 | Aqueous | 04/27/2016 05:11 | 04/27/2016 08:30 |
| 1602MOINNURS02F | 1604046-17 | Aqueous | 04/27/2016 05:11 | 04/27/2016 08:30 |
| 1702HABYCR6B01A | 1604046-18 | Aqueous | 04/27/2016 05:16 | 04/27/2016 08:30 |
| 1802HABYCR6B02A | 1604046-19 | Aqueous | 04/27/2016 05:16 | 04/27/2016 08:30 |
| 1902TCINTEAC11F | 1604046-20 | Aqueous | 04/27/2016 05:19 | 04/27/2016 08:30 |
| 2002TCINTEAC12F | 1604046-21 | Aqueous | 04/27/2016 05:19 | 04/27/2016 08:30 |
| 2103HABYC19C01A | 1604046-22 | Aqueous | 04/27/2016 05:23 | 04/27/2016 08:30 |
| 2203HABYC19C02A | 1604046-23 | Aqueous | 04/27/2016 05:23 | 04/27/2016 08:30 |
| 2303RMINDVLP11F | 1604046-24 | Aqueous | 04/27/2016 05:28 | 04/27/2016 08:30 |
| 2403RMINDVLP12F | 1604046-25 | Aqueous | 04/27/2016 05:28 | 04/27/2016 08:30 |
| 2503HABYMUSI11B | 1604046-26 | Aqueous | 04/27/2016 05:32 | 04/27/2016 08:30 |
| 2603HABYMUSI12B | 1604046-27 | Aqueous | 04/27/2016 05:32 | 04/27/2016 08:30 |
| 2703CRINMUSI11A | 1604046-28 | Aqueous | 04/27/2016 05:35 | 04/27/2016 08:30 |
| 2803CRINMUSI12A | 1604046-29 | Aqueous | 04/27/2016 05:35 | 04/27/2016 08:30 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

SUMMARY REPORT FOR SAMPLES

| Field ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|---------|------------------|------------------|
| 2903CRINCART11A | 1604046-30 | Aqueous | 04/27/2016 05:38 | 04/27/2016 08:30 |
| 3003CRINCART12A | 1604046-31 | Aqueous | 04/27/2016 05:38 | 04/27/2016 08:30 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#4 Mary J. Donohoe School-1604046

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-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|---------------------------|---|-----------|-----------------|----------|
| Field ID: 00 - MD-FRBLANK | | | | |
| Sample ID: 1604046-01 | | | | |
| Metals ICPMS | | | | |
| Lead | -- | U | 1.0 | ug/L |
| Field ID: 0101HABYCR5A01A | | | | |
| Sample ID: 1604046-02 | | | | |
| Metals ICPMS | | | | |
| Lead | Hallway bubbler by Room 5A 1st draw | | 1.0 | ug/L |
| Field ID: 0201HABYCR5A02A | | | | |
| Sample ID: 1604046-03 | | | | |
| Metals ICPMS | | | | |
| Lead | Hallway bubbler by Room 5A 2nd draw | | 1.0 | ug/L |
| Field ID: 0301HABYPRIN01A | | | | |
| Sample ID: 1604046-04 | | | | |
| Metals ICPMS | | | | |
| Lead | Hallway bubbler by Principals Office 1st draw | | 1.7 | 1.0 ug/L |
| Field ID: 0401HABYPRIN02A | | | | |
| Sample ID: 1604046-05 | | | | |
| Metals ICPMS | | | | |
| Lead | Hallway bubbler by Principals Office 2nd draw | | 1.0 | ug/L |
| Field ID: 0501RMINPREP01F | | | | |
| Sample ID: 1604046-06 | | | | |
| Metals ICPMS | | | | |
| Lead | Faucet in Lunch Prep Room 1st draw | | 1.3 | 1.0 ug/L |
| Field ID: 0601RMINPREP02F | | | | |
| Sample ID: 1604046-07 | | | | |
| Metals ICPMS | | | | |
| | Faucet in Lunch Prep Room 2nd draw | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Final Report

Project: BPS-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|---|--------|-----------|-----------------|-------|
| Field ID: 0601RMINPREP02F | | | | |
| Sample ID: 1604046-07 | | | | |
| Metals ICPMS | | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 0701HABYK1K211B | | | | |
| Sample ID: 1604046-08 | | | | |
| Metals ICPMS Hallway bubbler outside Kindergarten | | | | |
| Lead 1st draw | --- | U | 1.0 | ug/L |
| Field ID: 0801HABYK1K212B | | | | |
| Sample ID: 1604046-09 | | | | |
| Metals ICPMS Hallway bubbler outside Kindergarten | | | | |
| Lead 2nd draw | --- | U | 1.0 | ug/L |
| Field ID: 0901CRINCRK111F | | | | |
| Sample ID: 1604046-10 | | | | |
| Metals ICPMS Faucet in Room K1 | | | | |
| Lead 1st draw | --- | U | 1.0 | ug/L |
| Field ID: 1001CRINCRK112F | | | | |
| Sample ID: 1604046-11 | | | | |
| Metals ICPMS Faucet in Room K1 | | | | |
| Lead 2nd draw | --- | U | 1.0 | ug/L |
| Field ID: 1101CRINCRK211F | | | | |
| Sample ID: 1604046-12 | | | | |
| Metals ICPMS Faucet in Room K2 | | | | |
| Lead 1st draw | --- | U | 1.0 | ug/L |
| Field ID: 1201CRINCRK212F | | | | |
| Sample ID: 1604046-13 | | | | |
| Metals ICPMS | | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Final Report

Project: BPS-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|---------------------------|-----------------------------|-----------------------|-----------------|-------|
| Field ID: 1201CRINCRK212F | | Sample ID: 1604046-13 | | |
| Metals ICPMS | Faucet in Room K2 | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 1302HABYC11B01A | | Sample ID: 1604046-14 | | |
| Metals ICPMS | Hallway bubbler by Room 11B | | | |
| Lead | 1.6 | | 1.0 | ug/L |
| Field ID: 1402HABYC11B02A | | Sample ID: 1604046-15 | | |
| Metals ICPMS | Hallway bubbler by Room 11B | | | |
| Lead | 1.1 | | 1.0 | ug/L |
| Field ID: 1502MOINNURS01F | | Sample ID: 1604046-16 | | |
| Metals ICPMS | Faucet Nurses Office | | | |
| Lead | 2.9 | | 1.0 | ug/L |
| Field ID: 1602MOINNURS02F | | Sample ID: 1604046-17 | | |
| Metals ICPMS | Faucet Nurses Office | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 1702HABYCR6B01A | | Sample ID: 1604046-18 | | |
| Metals ICPMS | Hallway bubbler by Room 6B | | | |
| Lead | 1.5 | | 1.0 | ug/L |
| Field ID: 1802HABYCR6B02A | | Sample ID: 1604046-19 | | |
| Metals ICPMS | Hallway bubbler by Room 6B | | | |
| Lead | -- | U | 1.0 | ug/L |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Project: BPS-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|---|--------|-----------|-----------------|-----------------------|
| Field ID: 1802HABYCR6B02A | | | | Sample ID: 1604046-19 |
| Metals ICPMS | | | | |
| Field ID: 1902TCINTEAC11F | | | | Sample ID: 1604046-20 |
| Metals ICPMS | | | | |
| Faucet in Teachers Cafeteria 1st draw | | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2002TCINTEAC12F | | | | Sample ID: 1604046-21 |
| Metals ICPMS | | | | |
| Faucet in Teachers Cafeteria 2nd draw | | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2103HABYC19C01A | | | | Sample ID: 1604046-22 |
| Metals ICPMS | | | | |
| Hallway bubbler by 19C 1st draw | | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2203HABYC19C02A | | | | Sample ID: 1604046-23 |
| Metals ICPMS | | | | |
| Hallway bubbler by 19C 2nd draw | | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2303RMINDVLP11F | | | | Sample ID: 1604046-24 |
| Metals ICPMS | | | | |
| Faucet in Teachers Professional Development Room 1st draw | | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2403RMINDVLP12F | | | | Sample ID: 1604046-25 |
| Metals ICPMS | | | | |
| Faucet in Teachers Professional Development Room 2nd draw | | | | |
| Lead | --- | U | 1.0 | ug/L |



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Project: BPS-#4 Mary J. Donohoe School-1604046

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|--|-------------------------------|-----------|-----------------|-------|
| Field ID: 2503HABYMUSI1B Sample ID: 1604046-26 | | | | |
| Metals ICPMS | Hallway chiller by Music Room | | | |
| | 1st draw | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2603HABYMUSI12B Sample ID: 1604046-27 | | | | |
| Metals ICPMS | Hallway chiller by Music Room | | | |
| | 2nd draw | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2703CRINMUSI1A Sample ID: 1604046-28 | | | | |
| Metals ICPMS | Bubbler in Music Room | | | |
| | 1st draw | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2803CRINMUSI12A Sample ID: 1604046-29 | | | | |
| Metals ICPMS | Bubbler in Music Room | | | |
| | 2nd draw | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 2903CRINCART11A Sample ID: 1604046-30 | | | | |
| Metals ICPMS | Bubbler in Art Room | | | |
| | 1st draw | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 3003CRINCART12A Sample ID: 1604046-31 | | | | |
| Metals ICPMS | Bubbler in Art Room | | | |
| | 2nd draw | | | |
| Lead | --- | U | 1.0 | ug/L |