

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:



Dr. Walter Robinson #3 is a K-8 grade school built in 1903. An addition was added in 2005. To the left is a photo of the front entrance (31st Street) taken by EPA.

BPS Sampling/Analytical Results/Remediation:

BPS staff had conducted sampling of Dr. Walter Robinson School on December 10, 2013. Sampling began on the 1st floor, then 2nd floor, then 3rd floor, then mezzanine, then sub-basement and then the basement, where BPS collected 500mL first draw samples for a total of 28 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. Two (2) results exceeded the 15ppb action limit, the Art Room faucet (16ppb) which was replaced and the hallway bubbler outside Room 203 (590ppb) which was replaced.

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 (31st Street) enters the basement cafe 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 | Café | Water Main (enters 31st street) and Meter (Brass) |
| | Café | Bubbler. |
| | Café | Faucet (screen off). |
| | Hallway | Bubbler by Room G-3. <u>BPS did not sample. Should be sampled.</u> |
| | G-3 | Three (3) faucets. <u>BPS did not sample. Should be sampled.</u> |
| Mezzanine | Hallway | Chiller outside bathroom and double door exits. |
| SubBase | Hallway | Chiller outside Lunch Room. |
| | Lunch Room | Faucet. |
| 1 st Floor | Hallway | Bubbler outside Room 102 |
| | Nurse | Faucet (peddle activated). |
| | Room 101 | Faucet (screen on) in Teachers Café. |
| | Hallway | Bubbler going from West to East Wing. |
| | Hallway | Chiller by elevator. <u>Chiller turned off.</u> |
| 2 nd Floor | Hallway | Bubbler by Room 202. <u>Bubbler bagged/turned off.</u> BPS replaced bubbler. |
| | Hallway | Bubbler going from West to East Wing. |
| | Hallway | Chiller by elevator. |
| 3 rd Floor | Hallway | Bubbler. <u>Bubbler low flow.</u> |
| | Hallway | Bubbler going from West to East Wing. |
| | Hallway | Chiller by elevator. |

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 | Café | Water Main (enters 31st street) and Meter (Brass) |
| | Café | Bubbler. |
| | Café | Faucet (screen off). <i>OK</i> |
| | Hallway | Bubbler by Room G-3. <u>BPS did not sample. Should be sampled.</u> |
| | G-3 | Three (3) faucets. <u>BPS did not sample. Should be sampled.</u> |
| Mezzanine | Hallway | Chiller outside bathroom and double door exits. |
| SubBase | Hallway | Chiller outside Lunch Room. |
| | Lunch Room | Faucet. |
| 1 st Floor | Hallway | Bubbler outside Room 102 <i>OK</i> |
| | Nurse | Faucet (peddle activated). |
| | Room 101 | Faucet (screen on) in Teachers Café. |
| | Hallway | Bubbler going from West to East Wing. |
| | Hallway | Chiller by elevator. <u>Chiller turned off.</u> <i>OK</i> |
| 2 nd Floor | Hallway | Bubbler by Room 202. <u>Bubbler bagged/turned off.</u> BPS replaced bubbler. |
| | Hallway | Bubbler going from West to East Wing. <i>OK</i> |
| | Hallway | Chiller by elevator. |
| 3 rd Floor | Hallway | Bubbler. <u>Bubbler low flow.</u> |
| | Hallway | Bubbler going from West to East Wing. |
| | Hallway | Chiller by elevator. |

HARRY AND BILL

Attendees:

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

Building Photo and Description:



Dr. Walter Robinson #3 is a K-8 grade school built in 1903. An addition was added in 2005. To the left is a photo of the front entrance (31st Street) taken by EPA on April 9, 2015.

Pre-Sampling Walk-thru:

On Thursday, April 9, 2015, Erwin Smieszek (Lead) and Sarah Peterson conducted a Lead in Drinking Water pre-sampling walk-thru of #3 Dr. Walter Robinson 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 Friday, April 22, 2016, EPA Inspectors Erwin Smieszek (Inspection Lead) and Bob Morrell conducted a Lead in Drinking Water sampling event at the BPS #3 Dr. Walter Robinson 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 21, 2016 and the building was locked at 7:30pm on April 21, 2016. The schools after school program ended at approximately 5:30pm on April 21, 2016. There were no do not use water signs posted at the School Door #3 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 Basement Café (near sample 01/02) and then water samples were collected. For each outlet sampled, initial and follow-up (30 second) cold-water

amples 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) |
|--|---------------|--|---|
| Basement | 00 | Cafe | Field Reagent Blank. |
| Basement | 1/2 | Bubbler in Cafe | No POU filter |
| Basement | 3/4 | Cafe Faucet attached to stainless steel sink | Screen on. No POU filter. |
| Basement | 5/6 | Hallway Bubbler by Custodial Office | No POU filter. BPS did not sample in 2013. |
| Basement | 7/8 | Classroom G3 (Music Room) Faucet | Three (3) faucets, sampled single sink LEFT No POU filter. BPS did not sample 3 outlets in 2013. |
| Note: Basement Art Room. See Palagian March 18, 2016 email requesting faucet information. On April 22, 2016, Smieszek confirmed "Non-Potable Water, Do not Drink" label above sink. | | | |
| Mezzanine | 9/10 | Hallway Chiller by Custodial Room | Elkay m/n EZFS8_1B s/n 060634724 No visible POU filter. Compressor operational. |
| Sub-basement | 11/12 | Hallway Chiller by Elevator | Elkay m/n EZFS8_1B s/n 060634760 No visible POU filter. Compressor operational. |
| Sub-basement | 13/14 | Lunch Room Faucet | Spray nozzle with screen attached to faucet. No POU filter. |
| 1 st Floor | 15/16 | Hallway bubbler by Classroom 102 | No POU filter. |
| 1 st Floor | 17/18 | Teacher Café Faucet | Delta – metered Aerator on. No POU filter. |
| 1 st Floor | 19/20 | Nurse Faucet pedal operated | First draw – yellow colored water. Screen off. No POU filter. |
| 1 st Floor | 21/22 | Hallway bubbler by Classroom 100 | Elkay No POU filter. |
| Note 1: 1 st Floor Hallway Chiller by Elevator (2005 addition) removed since April 9, 2015. Note 2: 2 nd Floor Hallway Bubbler by Room 202 removed since April 9, 2015. Note 3: Boy's Bathroom left faucet base water leaking. | | | |
| 2 nd Floor | 23/24 | Hallway bubbler by Classroom 211 | Kohler – bubbler base copper stain/dirt/grime Valve leaks when bubbler is activated. No POU filter. |
| 2 nd Floor | 25/26 | Hallway Chiller by Elevator | Elkay m/n EZFS8_1B s/n 060520311 No visible POU filter. Compressor operational. |
| 3 rd Floor | 27/28 | Hallway bubbler by Classroom 303 | Halsey Taylor Low flow – able to collect sample. No POU filter. |

| | | | |
|-----------------------|-------|---------------------------------|--|
| 3 rd Floor | 29/30 | Hallway bubbler by Teacher Café | No POU filter. |
| 3 rd Floor | 31/32 | Teacher Café faucet | Delta single lever. Aerator on. No POU filter. |
| 3 rd Floor | 33/34 | Hallway Chiller by Elevator | Elkay m/n EZFS8_1B s/n 060520770 No visible POU filter. Compressor operational. |

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.

Seventeen (17) potable water outlets, for a total of thirty-four (34) (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 (4 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

WELL/PROJECT INFORMATION

WELL ID:
WELL No./Name: #3 Walter Robinson School
WELL Address: 95 West 35th Street, Bayonne NJ 07002
Contact Name & Numbers: Mike Kubert 201.858.5582 mkubert@bboed.org
Yr. Built: 1903 **(1) Yr. 1st Add.:** 2005 **(2) Yr. 2nd Add.:** **(3) Yr. 1st Mod.:** **(4) Yr. 2nd Mod.:**

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

SAMPLING DATE: Friday, April 22, 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 | | | | | | | cafeteria by sample 01/02 | | | | 0441 |
| 01 | | | | | | | cafeteria bubbler attached to column | | | | 0442 |
| 02 | | | | | | | no POU filter | | | | |
| 03 | | | | | | | cafeteria faucet attached to stainless steel sink | | | | 0445 |
| 04 | | | | | | | screen on. No POU filter | | | | |
| 05 | | | | | | | Handway bubbler by Custodial/office | | | | 0444 |
| 06 | | | | | | | no POU filter | | | | |
| 07 | | | | | | | YOUNG REAR - single sink - faucet sampled (DID NOT SAMPLE 2 FAUCET SINKS) | | | | 0453 |
| 08 | | | | | | | no POU filter | | | | |
| 09 | | | | | | | SCREENING AREA OFFICE 103 4/15/06 634724 - Under by custodial office | | | | 0458 |
| 10 | | | | | | | compressor on. No visible POU filter | | | | |

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

CHAIN OF CUSTODY

| | | |
|--|------------------------------------|---------------------------------------|
| Relinquished By: Erwin J. Smieszek 4/22/16 | Received By: [Signature] | Date/Time: 4/22/16, 9:29 AM |
|--|------------------------------------|---------------------------------------|

All samples are Lab Preserve by Greg Santacrose @ 9 on 4/22/16.

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 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

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

BLDG ID:
 BLDG No./Name: #3 Walter Robinson School
 BLDG Address: 95 West 35th Street, Bayonne NJ 07002
 Contact Name & Numbers: Mike Kubert 201.858.5582 mkubert@bboed.org
 (1) Yr. 1st Add.: 1903 (2) Yr. 2nd Add.: 2005 (3) Yr. 1st Mod.: (4) Yr. 2nd Mod.:

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

SAMPLING DATE: Friday, April 22, 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) |
| 23 | 02 | HABY | C211 | B1A | | | | Kohler bidet base fix/grease/soap stains hallway bubbler by classroom 211, no bubbler | | ✓ | | 0533 |
| 24 | 02 | HABY | C211 | B2A | | | | water leaks @ shut off valve under bubbler checked | | ✓ | ✓ | |
| 25 | 02 | HABY | ELEV | 11B | | | | water w/ n. C2F3B-16 s/n 260530211 hallway gutter by elevator | | ✓ | | 0538 |
| 26 | 02 | HABY | ELEV | 12B | | | | Compressor on. No visible POU filter | | ✓ | | |
| 27 | 03 | HABY | C303 | 01A | | | | Malby Taylor hallway bubbler by classroom 303, no bubbler | | ✓ | | 0544 |
| 28 | 03 | HABY | C303 | 02A | | | | in office - able to collect sample | | ✓ | | |
| 29 | 03 | HABY | TEAC | 01A | | | | Malby Taylor hallway bubbler by Teacher Cafe | | ✓ | | 0546 |
| 30 | 03 | HABY | TEAC | 02A | | | | no bubbler | | ✓ | | |
| 31 | 03 | TCIN | TEAC | 01F | | | | DCM single lever - no water on Teacher Cafe faucet | | ✓ | | 0552 |
| 32 | 03 | TCIN | TEAC | 02F | | | | no bubbler | | ✓ | | |
| 33 | 03 | HABY | ELEV | 11B | | | | ELV 114 w/ n. C2F3B-16 s/n 260530211 hallway water by elevator | | ✓ | | 0555 |
| 34 | 03 | HABY | ELEV | 12B | | | | Compressor on. No visible POU filter | | ✓ | | |

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

CHAIN OF CUSTODY

| | | |
|------------------------------------|--------------------------|------------------------------|
| Relinquished By: Erwin J. Smieszek | Received By: [Signature] | Date/Time: 04/22/16, 8:37 AM |
|------------------------------------|--------------------------|------------------------------|

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"/> Lab to preserve with HNO ₃ at pH<2 <input type="checkbox"/> 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-#3 Walter Robinson School-1604041

Enclosed are the results of analyses for samples received by the laboratory on 04/22/2016. 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 black ink, 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-#3 Walter Robinson School-1604041

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-#3 Walter Robinson School-1604041

Project Number: 1603046

SUMMARY REPORT FOR SAMPLES

| Field ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|---------|------------------|------------------|
| 00 - WR-FRBLANK | 1604041-01 | Aqueous | 04/22/2016 04:41 | 04/22/2016 08:39 |
| 01BSCFINCAFE01A | 1604041-02 | Aqueous | 04/22/2016 04:42 | 04/22/2016 08:39 |
| 02BSCFINCAFE02A | 1604041-03 | Aqueous | 04/22/2016 04:42 | 04/22/2016 08:39 |
| 03BSCFINCAFE01F | 1604041-04 | Aqueous | 04/22/2016 04:45 | 04/22/2016 08:39 |
| 04BSCFINCAFE02F | 1604041-05 | Aqueous | 04/22/2016 04:45 | 04/22/2016 08:39 |
| 05BSHABYCUST01A | 1604041-06 | Aqueous | 04/22/2016 04:49 | 04/22/2016 08:39 |
| 06BSHABYCUST02A | 1604041-07 | Aqueous | 04/22/2016 04:49 | 04/22/2016 08:39 |
| 07BSCRINCRG301F | 1604041-08 | Aqueous | 04/22/2016 04:53 | 04/22/2016 08:39 |
| 08BSCRINCRG302F | 1604041-09 | Aqueous | 04/22/2016 04:53 | 04/22/2016 08:39 |
| 09MZHABYCUST11B | 1604041-10 | Aqueous | 04/22/2016 04:58 | 04/22/2016 08:39 |
| 10MZHABYCUST12B | 1604041-11 | Aqueous | 04/22/2016 04:58 | 04/22/2016 08:39 |
| 11SBHABYELEV11B | 1604041-12 | Aqueous | 04/22/2016 05:03 | 04/22/2016 08:39 |
| 12SBHABYELEV12B | 1604041-13 | Aqueous | 04/22/2016 05:03 | 04/22/2016 08:39 |
| 13SBRMINLUNC11F | 1604041-14 | Aqueous | 04/22/2016 05:06 | 04/22/2016 08:39 |
| 14SBRMINLUNC12F | 1604041-15 | Aqueous | 04/22/2016 05:06 | 04/22/2016 08:39 |
| 1501HABYC10201A | 1604041-16 | Aqueous | 04/22/2016 05:12 | 04/22/2016 08:39 |
| 1601HABYC10202A | 1604041-17 | Aqueous | 04/22/2016 05:12 | 04/22/2016 08:39 |
| 1701CFINTEAC01F | 1604041-18 | Aqueous | 04/22/2016 05:16 | 04/22/2016 08:39 |
| 1801CFINTEAC02F | 1604041-19 | Aqueous | 04/22/2016 05:16 | 04/22/2016 08:39 |
| 1901MOINNURS01F | 1604041-20 | Aqueous | 04/22/2016 05:20 | 04/22/2016 08:39 |
| 2001MOINNURS02F | 1604041-21 | Aqueous | 04/22/2016 05:20 | 04/22/2016 08:39 |
| 2101HABYC10001A | 1604041-22 | Aqueous | 04/22/2016 05:24 | 04/22/2016 08:39 |
| 2201HABYC10002A | 1604041-23 | Aqueous | 04/22/2016 05:24 | 04/22/2016 08:39 |
| 2302HABYC21101A | 1604041-24 | Aqueous | 04/22/2016 05:33 | 04/22/2016 08:39 |
| 2402HABYC21102A | 1604041-25 | Aqueous | 04/22/2016 05:33 | 04/22/2016 08:39 |
| 2502HABYELEV11B | 1604041-26 | Aqueous | 04/22/2016 05:38 | 04/22/2016 08:39 |
| 2602HABYELEV12B | 1604041-27 | Aqueous | 04/22/2016 05:38 | 04/22/2016 08:39 |
| 2703HABYC30301A | 1604041-28 | Aqueous | 04/22/2016 05:44 | 04/22/2016 08:39 |
| 2803HABYC30302A | 1604041-29 | Aqueous | 04/22/2016 05:44 | 04/22/2016 08:39 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#3 Walter Robinson School-1604041

Project Number: 1603046

SUMMARY REPORT FOR SAMPLES

| Field ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|---------|------------------|------------------|
| 2903HABYTEAC01A | 1604041-30 | Aqueous | 04/22/2016 05:48 | 04/22/2016 08:39 |
| 3003HABYTEAC02A | 1604041-31 | Aqueous | 04/22/2016 05:48 | 04/22/2016 08:39 |
| 3103TCINTEAC01F | 1604041-32 | Aqueous | 04/22/2016 05:52 | 04/22/2016 08:39 |
| 3203TCINTEAC02F | 1604041-33 | Aqueous | 04/22/2016 05:52 | 04/22/2016 08:39 |
| 3303HABYELEV11B | 1604041-34 | Aqueous | 04/22/2016 05:55 | 04/22/2016 08:39 |
| 3403HABYELEV12B | 1604041-35 | Aqueous | 04/22/2016 05:55 | 04/22/2016 08:39 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#3 Walter Robinson School-1604041

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-#3 Walter Robinson School-1604041

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units | |
|--|----------|-----------------------|-----------------|-------|------|
| Field ID: 00 - WR-FRBLANK | | Sample ID: 1604041-01 | | | |
| Metals ICPMS | | | | | |
| Lead | --- | U | 1.0 | ug/L | |
| Field ID: 01BSCFINCAFE01A | | Sample ID: 1604041-02 | | | |
| Metals ICPMS Cafeteria bubbler attached to Column | | | | | |
| Lead | 1st draw | 1.4 | 1.0 | ug/L | |
| Field ID: 02BSCFINCAFE02A | | Sample ID: 1604041-03 | | | |
| Metals ICPMS Cafeteria bubbler attached to column | | | | | |
| Lead | 2nd draw | --- | U | 1.0 | ug/L |
| Field ID: 03BSCFINCAFE01F | | Sample ID: 1604041-04 | | | |
| Metals ICPMS Cafeteria faucet attached to stainless steel sink | | | | | |
| Lead | 1st draw | 29 | 1.0 | ug/L | |
| Field ID: 04BSCFINCAFE02F | | Sample ID: 1604041-05 | | | |
| Metals ICPMS Cafeteria faucet attached to stainless steel sink | | | | | |
| Lead | 2nd draw | --- | U | 1.0 | ug/L |
| Field ID: 05BSHABYCUST01A | | Sample ID: 1604041-06 | | | |
| Metals ICPMS Hallway bubbler by Custodial Office | | | | | |
| Lead | 1st draw | 2.8 | 1.0 | ug/L | |
| Field ID: 06BSHABYCUST02A | | Sample ID: 1604041-07 | | | |
| Metals ICPMS Hallway bubbler by Custodial Office | | | | | |
| | 2nd draw | | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#3 Walter Robinson School-1604041

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|---------------------------|---|-----------------------|-----------------|----------|
| Field ID: 06BSHABYCUST02A | | Sample ID: 1604041-07 | | |
| Metals ICPMS Lead | Hallway bubbler by Custodial Office 2nd draw | 2.6 | 1.0 | ug/L |
| Field ID: 07BSCRINCRG301F | | Sample ID: 1604041-08 | | |
| Metals ICPMS Lead | Music Room - Single sink 1st draw | 16 | 1.0 | ug/L |
| Field ID: 08BSCRINCRG302F | | Sample ID: 1604041-09 | | |
| Metals ICPMS Lead | Music Room - Single sink 2nd draw | 1.1 | 1.0 | ug/L |
| Field ID: 09MZHABYCUST11B | | Sample ID: 1604041-10 | | |
| Metals ICPMS Lead | Chiller by Custodial Office 1st draw | -- | U | 1.0 ug/L |
| Field ID: 10MZHABYCUST12B | | Sample ID: 1604041-11 | | |
| Metals ICPMS Lead | Chiller by Custodial Office 2nd draw | -- | U | 1.0 ug/L |
| Field ID: 11SBHABYELEV11B | | Sample ID: 1604041-12 | | |
| Metals ICPMS Lead | Hallway chiller by elevator 1st draw | -- | U | 1.0 ug/L |
| Field ID: 12SBHABYELEV12B | | Sample ID: 1604041-13 | | |
| Metals ICPMS | Hallway chiller by elevator 2nd draw | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#3 Walter Robinson School-1604041

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|---|--------|-----------|-----------------|-----------------------|
| Field ID: 12SBHABYELEV12B | | | | Sample ID: 1604041-13 |
| Metals ICPMS Hallway chiller by elevator 2nd draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 13SBRMINLUNC11F | | | | Sample ID: 1604041-14 |
| Metals ICPMS Lunch room faucet 1st draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 14SBRMINLUNC12F | | | | Sample ID: 1604041-15 |
| Metals ICPMS Lunch room faucet 2nd draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 1501HABYC10201A | | | | Sample ID: 1604041-16 |
| Metals ICPMS Hallway bubbler by Room 102 1st draw Lead | 3.4 | | 1.0 | ug/L |
| Field ID: 1601HABYC10202A | | | | Sample ID: 1604041-17 |
| Metals ICPMS Hallway bubbler by room 102 2nd draw Lead | 4.1 | | 1.0 | ug/L |
| Field ID: 1701CFINTEAC01F | | | | Sample ID: 1604041-18 |
| Metals ICPMS Teachers Cafeteria faucet 1st draw Lead | 1.1 | | 1.0 | ug/L |
| Field ID: 1801CFINTEAC02F | | | | Sample ID: 1604041-19 |
| Metals ICPMS Teachers Cafeteria faucet 2nd draw | | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#3 Walter Robinson School-1604041

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|--|--------|-----------|-----------------|-----------------------|
| Field ID: 1801CFINTEAC02F | | | | Sample ID: 1604041-19 |
| Metals ICPMS Teacher Cafeteria faucet 2nd draw | | | | |
| Lead | --- | U | 1.0 | ug/L |
| Field ID: 1901MOINNURS01F | | | | Sample ID: 1604041-20 |
| Metals ICPMS Nurses Office - foot pedal right | | | | |
| Lead 1st draw | 260 | | 10 | ug/L |
| Field ID: 2001MOINNURS02F | | | | Sample ID: 1604041-21 |
| Metals ICPMS Nurses Office - foot pedal right | | | | |
| Lead 2nd draw | 2.0 | | 1.0 | ug/L |
| Field ID: 2101HABYC10001A | | | | Sample ID: 1604041-22 |
| Metals ICPMS Hallway bubbler by Room 100 1st draw | | | | |
| Lead | 3.0 | | 1.0 | ug/L |
| Field ID: 2201HABYC10002A | | | | Sample ID: 1604041-23 |
| Metals ICPMS Hallway bubbler by Room 101 2nd draw | | | | |
| Lead | 2.5 | | 1.0 | ug/L |
| Field ID: 2302HABYC21101A | | | | Sample ID: 1604041-24 |
| Metals ICPMS Hallway bubbler by Room 211 1st draw | | | | |
| Lead | 2.3 | | 1.0 | ug/L |
| Field ID: 2402HABYC21102A | | | | Sample ID: 1604041-25 |
| Metals ICPMS Hallway bubbler by Room 211 2nd draw | | | | |
| Lead | 1.2 | | 1.0 | ug/L |

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-#3 Walter Robinson School-1604041

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|--|--------|-----------------------|-----------------|-------|
| Field ID: 2502HABYELEV11B | | Sample ID: 1604041-26 | | |
| Metals ICPMS Hallway chiller by elevator 1st draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 2602HABYELEV12B | | Sample ID: 1604041-27 | | |
| Metals ICPMS Hallway chiller by elevator 2nd draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 2703HABYBC30301A | | Sample ID: 1604041-28 | | |
| Metals ICPMS Hallway bubbler by Room 303 1st draw Lead | 3.5 | | 1.0 | ug/L |
| Field ID: 2803HABYBC30302A | | Sample ID: 1604041-29 | | |
| Metals ICPMS Hallway bubbler by Room 303 2nd draw Lead | 2.6 | | 1.0 | ug/L |
| Field ID: 2903HABYTEAC01A | | Sample ID: 1604041-30 | | |
| Metals ICPMS Hallway bubbler by Teachers Cafeteria 1st draw Lead | 4.6 | | 1.0 | ug/L |
| Field ID: 3003HABYTEAC02A | | Sample ID: 1604041-31 | | |
| Metals ICPMS Hallway bubbler by Teachers Cafeteria 2nd draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 3103TCINTEAC01F | | Sample ID: 1604041-32 | | |
| Metals ICPMS Teachers Cafeteria - faucet 1st draw | | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#3 Walter Robinson School-1604041

Project Number: 1603046

| Analyte | Result | Qualifier | Reporting Limit | Units |
|--|--------|-----------------------|-----------------|-------|
| Field ID: 3103TCINTEAC01F | | Sample ID: 1604041-32 | | |
| Metals ICPMS Teachers Cafeteria - faucet 1st draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 3203TCINTEAC02F | | Sample ID: 1604041-33 | | |
| Metals ICPMS Teachers Cafeteria - faucet 2nd draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 3303HABYELEV11B | | Sample ID: 1604041-34 | | |
| Metals ICPMS Hallway chiller by elevator 1st draw Lead | --- | U | 1.0 | ug/L |
| Field ID: 3403HABYELEV12B | | Sample ID: 1604041-35 | | |
| Metals ICPMS Hallway chiller by elevator 2nd draw Lead | --- | U | 1.0 | ug/L |

#3/Robinson

Testing Date – 4/22/2016

17 potable water outlets tested

3 deficiencies

1st deficiency – Stainless steel sink in basement lunch room Results 29ppb
Remediation – Immediately shut sink down, replaced faucets on sink. Sink will remain out of service until retested with a favorable result, at which point it will be put back in service.

2nd deficiency – Sink in nurses room/old foot pedal sink Results 268ppb
Remediation – Immediately shut sink down and replaced sink, vanity and faucets.
It should be noted that when sample was drawn water came out brown which is unusual. Sink will remain out of service until retested with a favorable result, at which point it will be put back in service.

3rd deficiency – Porcelain sink in B3/Music Room (room was an old shop) Results 16ppb
Remediation – There were two porcelain sinks in room and both were removed since they were not used in the music room. It should be noted that the results were below the 3 T's action level, but since they were not used we removed them both.



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-#3 Walter Robinson School-1606040

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-#3 Walter Robinson School-1606040

Project Number: 1606038

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-#3 Walter Robinson School-1606040

Project Number: 1606038

SUMMARY REPORT FOR SAMPLES

| Field ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|---------|------------------|------------------|
| 00 - WR-FRBLANK | 1606040-01 | Aqueous | 06/16/2016 04:24 | 06/16/2016 08:30 |
| 03BSCFINCAFE01F | 1606040-02 | Aqueous | 06/16/2016 04:25 | 06/16/2016 08:30 |
| 04BSCFINCAFE02F | 1606040-03 | Aqueous | 06/16/2016 04:25 | 06/16/2016 08:30 |
| 1901MOINNURS01F | 1606040-04 | Aqueous | 06/16/2016 04:29 | 06/16/2016 08:30 |
| 2001MOINNURS02F | 1606040-05 | Aqueous | 06/16/2016 04:29 | 06/16/2016 08:30 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#3 Walter Robinson School-1606040

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-#3 Walter Robinson School-1606040

Project Number: 1606038

| Analyte | Result | Qualifier | Reporting Limit | Units | Date and Time of Analysis* |
|--|--------|-----------|------------------------------|-------|----------------------------|
| Field ID: 00 - WR-FRBLANK | | | Sample ID: 1606040-01 | | |
| Metals ICPMS Lead | -- | U | 1.0 | ug/L | |
| Field ID: 03BSCFINCAFE01F | | | Sample ID: 1606040-02 | | |
| Metals ICPMS Lead | 5.1 | | 1.0 | ug/L | |
| Cafeteria faucet attached to stainless steel sink 1st draw | | | | | |
| Field ID: 04BSCFINCAFE02F | | | Sample ID: 1606040-03 | | |
| Metals ICPMS Lead | -- | U | 1.0 | ug/L | |
| Cafeteria faucet attached to stainless steel sink 2nd draw | | | | | |
| Field ID: 1901MOINNURS01F | | | Sample ID: 1606040-04 | | |
| Metals ICPMS Lead | -- | U | 1.0 | ug/L | |
| Nurses Office - foot pedal right 1st draw | | | | | |
| Field ID: 2001MOINNURS02F | | | Sample ID: 1606040-05 | | |
| Metals ICPMS Lead | -- | U | 1.0 | ug/L | |
| Nurses Office - foot pedal right 2nd draw | | | | | |