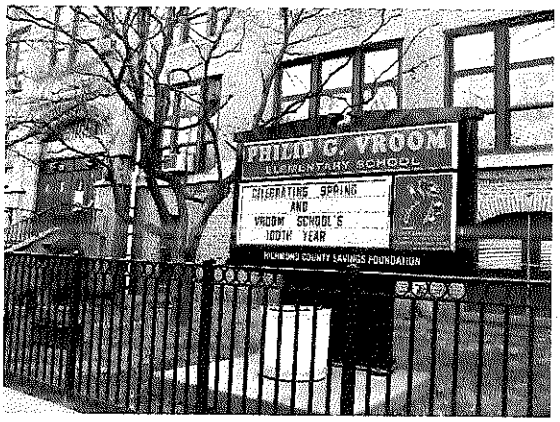
#2 Philip G. Vroom
18 West 26th Street, NJ 07002

Pre-Sampling Report Date: April 27, 2015
Modified Pre-Sampling Report Date: April 30, 2015
Pre-Sampling Walk-thru Date (basement): June 3, 2015
Pre-Sampling Report Date (basement): June 4, 2015

EPA returned on June 3, 2015 to complete the basement walk-thru. All June 3, 2015 edits are in blue.

Attendees:
Mike Kubert, Superintendent Buildings & Grounds Foundation (BPS) – April 9, 2015 only
Patricia Wojack, BPS Engineer – June 3, 2015 only
~~Erwin Smieszek, EPA New Jersey Office – Sampling Lead~~
Sarah Peterson, EPA New Jersey Office – Assistant – April 9, 2015 only

Building Photo and Description:



Philip G. Vroom School #2 is a K-8 grade school built in 1914. To the left is a photo of the front entrance (West 26th Street) taken by EPA on April 9, 2015.

BPS Sampling/Analytical Results/Remediation:
BPS staff had conducted sampling of Philip G. Vroom School on April 17, 2013. Sampling began in the basement (1 outlet), then 1st floor, 2nd floor, basement and then 3rd floor where BPS collected 500mL first draw samples for a total of 19 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 leaking 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 (West 26th Street) enters the basement floor in the Girl'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.

Basement	Girls Bathroom	Water Main (enters West 26th street) and Meter (Brass)
	Boiler Room	Faucet
	Hallway	Bubbler across Computer Lab.
	Basement walk-thru stopped 4.9.15 due to painted floor. Will need to return for remainder of floor.	
	Lunch	Faucet. Staff stated the water is only used to wash hands.
	Music	Faucet. Teacher stated the water is only used to clean blackboard.
	Hallway	Bubbler across Music Room.
	Art	Faucets. Teacher stated the water is only used to clean brushes/wash hands.
		One faucet has cold water leak at base of faucet handle when turned on.
1st Floor	Sec Office	Chiller Elkay m/n EFA81B s/n 030820829
	Room 107	Bubbler and Faucet.
	Hallway	Bubbler across from Room 107.
	Room 108	Bubbler and Faucet.
	Hallway	Bubbler across from Room 104.
	Room 104	Bubbler and Faucet.
	Room 103	Bubbler and Faucet. Bubbler had low flow.
	Room 102	Bubbler and Faucet.
	Room 101	Bubbler and Faucet.
2nd Floor	Nurse	Faucet.
	Hallway	Bubbler across from Room 207.
	Room 203	Faucet (aerator). BPS did not sample. Should be sampled.
	Room 202	Faucet (aerator). BPS did not sample. Should be sampled.
	Room 201	Faucet (aerator). BPS did not sample. Should be sampled.
3rd Floor	Hallway	Bubbler across from Room 304.
	Room 303	Two (2) faucets. Mr. Kubert stated that both will be removed.

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Pre-Sampling Report Date (basement): June 4, 2015

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.

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	Boiler Room	Faucet
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	Hallway	Bubbler across Music Room.
	Art	Faucets. Teacher stated the water is only used to clean brushes/wash hands. One faucet has cold water leak at base of faucet handle when turned on.
1st Floor	Sec Office	Chiller Elkay m/n EFA81B s/n 030820829
	Room 107	Bubbler and Faucet.
	Hallway	Bubbler across from Room 107.
	Room 108	Bubbler and Faucet.
	Hallway	Bubbler across from Room 104.
	Room 104	Bubbler and Faucet.
	Room 103	Bubbler and Faucet. Bubbler had low flow.
	Room 102	Bubbler and Faucet.
	Room 101	Bubbler and Faucet.
2nd Floor	Nurse	Faucet.
	Hallway	Bubbler across from Room 207.
	Room 203	Faucet (aerator). BPS did not sample. Should be sampled.
	Room 202	Faucet (aerator). BPS did not sample. Should be sampled.
	Room 201	Faucet (aerator). BPS did not sample. Should be sampled.
3rd Floor	Hallway	Bubbler across from Room 304.
	Room 303	Two (2) faucets. Mr. Kubert stated that both will be removed.

OK
FD - K M.R & BK

FD-K

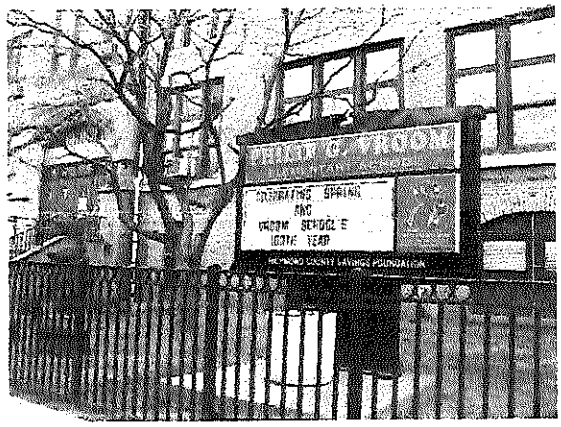
HANNY AND BILL

#2 Philip G. Vroom
18 West 26th Street, NJ 07002

Pre-Sampling Report Date: April 27, 2015
Modified Pre-Sampling Report Date: April 30, 2015
Pre-Sampling Walk-thru Date (basement): June 3, 2015
Pre-Sampling Report Date (basement): June 4, 2015
Sampling Date: April 28, 2016
Sampling Report Date: April 28, 2016

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

Building Photo and Description:



Philip G. Vroom School #2 is a K-8 grade school built in 1914. To the left is a photo of the front entrance (West 26th Street) taken by EPA on April 9, 2015.

Pre-Sampling Walk-thru:

On Thursday, April 9, 2015, Erwin Smieszek (Lead) and Sarah Peterson and on June 3, 2015 Erwin Smieszek (returned for Basement) conducted a Lead in Drinking Water pre-sampling walk-thru of #2 Philip G. Vroom School. See June 4, 2015 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 28, 2016, EPA Inspectors Erwin Smieszek (Inspection Lead) and Kate Drisco conducted a Lead in Drinking Water sampling event at the BPS #2 Philip G. Vroom 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 27, 2016 and the building was locked at 7:30pm on April 27, 2016. At the end of sampling, met building engineer, Patricia Wojack who stated that the after school program was held on the first floor and ended at approximately 5:30pm on April 27, 2016. There were no do not use water signs posted at the School Door #7 entrance/exit to indicate that water sampling was to be conducted.

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Pre-Sampling Report Date (basement): June 4, 2015
Sampling Date: April 28, 2016
Sampling Report Date: April 28, 2016

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 Hallway by the computer classroom (near sample 01/02) 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 Faucet "Not Drinking Water" sign above sink			
Basement	00	Hallway by Computer Classroom	Field Reagent Blank.
Basement	1/2	Hallway bubbler by Computer Classroom	Elkay m/n EDFP210C B s/n 140824258 No POU filter
Basement	3/4	Hallway bubbler by Music Classroom	No POU filter.
Note 1: Lunch Room faucet not sampled. Pre-sampling report – hand wash only. Note 2: Music Classroom faucet not sampled. Pre-sampling report – wash blackboard only. Note 3: Art Room faucets not sampled.			
1st Floor	5/6	Hallway bubbler by Classroom 107	Elkay m/n EDFP210C B s/n 151027247 No POU filter.
1st Floor	7/8	Classroom 107 bubbler	Bubbler and Faucet. Sampled bubbler. No POU filter.
1st Floor	9/10	Classroom 108 bubbler	Bubbler and Faucet. Sampled bubbler. No POU filter.
Note: Chiller in Secretary Office was removed.			
1st Floor	11/12	Classroom 104 bubbler	Bubbler and Faucet. Sampled bubbler. No POU filter.
1st Floor	13/14	Hallway bubbler by Classroom 103	No POU filter.
1st Floor	15/16	Classroom 103 bubbler	Bubbler and Faucet. Sampled bubbler. No POU filter.
1st Floor	17/18	Classroom 102 bubbler	Bubbler and Faucet. Sampled bubbler. No POU filter.
1st Floor	19/20	Classroom 101 bubbler	Bubbler and Faucet. Sampled bubbler. No POU filter.

2nd Floor	21/22	Hallway bubbler by Classroom 207	Halsey Taylor m/n HRFS B s/n 111121115 No POU filter.
2nd Floor	23/24	Nurse Faucet	Delta – metered. Aerator on. No POU filter. Case of bottled water observed.
Note: Hallway outlet by Classroom 204 capped.			
2nd Floor	25/26	Classroom 203 faucet	Delta – metered. Aerator on. No POU filter. BPS did not sample in 2013
2nd Floor	27/28	Classroom 202 faucet	Delta – metered. Aerator on. No POU filter. BPS did not sample in 2013
2nd Floor	29/30	Classroom 201 faucet	Delta – metered. Aerator on. No POU filter. BPS did not sample in 2013
Note: Hallway outlet by Classroom 307 capped.			
3rd Floor	31/32	Hallway bubbler by Classroom 303	Elkay m/n EDFP210C B s/n 150729528 No POU filter.
Note: Classroom 303 both faucets removed.			

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 outine 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.

Sixteen (16) potable water outlets, for a total of thirty-two (32) (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)

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-#2 Philip G. Vroom School-1604053

Enclosed are the results of analyses for samples received by the laboratory on 04/28/2016. 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,

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-#2 Philip G. Vroom School-1604053

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-#2 Philip G. Vroom School-1604053

Project Number: 1603046

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
00 - PV-FRBLANK	1604053-01	Aqueous	04/28/2016 04:44	04/28/2016 08:45
01BSHABYCOMP01A	1604053-02	Aqueous	04/28/2016 04:47	04/28/2016 08:45
02BSHABYCOMP02A	1604053-03	Aqueous	04/28/2016 04:47	04/28/2016 08:45
03BSHABYMUSI01A	1604053-04	Aqueous	04/28/2016 04:52	04/28/2016 08:45
04BSHABYMUSI02A	1604053-05	Aqueous	04/28/2016 04:52	04/28/2016 08:45
0501HABYC10701A	1604053-06	Aqueous	04/28/2016 04:57	04/28/2016 08:45
0601HABYC10702A	1604053-07	Aqueous	04/28/2016 04:57	04/28/2016 08:45
0701CRINC10701A	1604053-08	Aqueous	04/28/2016 05:01	04/28/2016 08:45
0801CRINC10702A	1604053-09	Aqueous	04/28/2016 05:01	04/28/2016 08:45
0901CRINC10801A	1604053-10	Aqueous	04/28/2016 05:07	04/28/2016 08:45
1001CRINC10802A	1604053-11	Aqueous	04/28/2016 05:07	04/28/2016 08:45
1101CRINC10401A	1604053-12	Aqueous	04/28/2016 05:10	04/28/2016 08:45
1201CRINC10402A	1604053-13	Aqueous	04/28/2016 05:10	04/28/2016 08:45
1301HABYC10301A	1604053-14	Aqueous	04/28/2016 05:14	04/28/2016 08:45
1401HABYC10302A	1604053-15	Aqueous	04/28/2016 05:14	04/28/2016 08:45
1501CRINC10301A	1604053-16	Aqueous	04/28/2016 05:18	04/28/2016 08:45
1601CRINC10302A	1604053-17	Aqueous	04/28/2016 05:18	04/28/2016 08:45
1701CRINC10201A	1604053-18	Aqueous	04/28/2016 05:22	04/28/2016 08:45
1801CRINC10202A	1604053-19	Aqueous	04/28/2016 05:22	04/28/2016 08:45
1901CRINC10101A	1604053-20	Aqueous	04/28/2016 05:28	04/28/2016 08:45
2001CRINC10102A	1604053-21	Aqueous	04/28/2016 05:28	04/28/2016 08:45
2102HABYC20701A	1604053-22	Aqueous	04/28/2016 05:33	04/28/2016 08:45
2202HABYC20702A	1604053-23	Aqueous	04/28/2016 05:33	04/28/2016 08:45
2302MOINNURS01F	1604053-24	Aqueous	04/28/2016 05:38	04/28/2016 08:45
2402MOINNURS02F	1604053-25	Aqueous	04/28/2016 05:38	04/28/2016 08:45
2502CRINC20301F	1604053-26	Aqueous	04/28/2016 05:42	04/28/2016 08:45
2602CRINC20302F	1604053-27	Aqueous	04/28/2016 05:42	04/28/2016 08:45
2702CRINC20201F	1604053-28	Aqueous	04/28/2016 05:46	04/28/2016 08:45
2802CRINC20202F	1604053-29	Aqueous	04/28/2016 05:46	04/28/2016 08:45

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#2 Philip G. Vroom School-1604053

Project Number: 1603046

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
2902CRINC20101F	1604053-30	Aqueous	04/28/2016 05:51	04/28/2016 08:45
3002CRINC20102F	1604053-31	Aqueous	04/28/2016 05:51	04/28/2016 08:45
3103HABYC30301A	1604053-32	Aqueous	04/28/2016 05:57	04/28/2016 08:45
3203HABYC30302A	1604053-33	Aqueous	04/28/2016 05:57	04/28/2016 08:45

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#2 Philip G. Vroom School-1604053

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-#2 Philip G. Vroom School-1604053

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 00 - PV-FRBLANK				Sample ID: 1604053-01
Metals ICPMS Hallway bubbler by Computer Room 1st draw				
Lead	---	U	1.0	ug/L
Field ID: 01BSHABYCOMP01A				Sample ID: 1604053-02
Metals ICPMS Hallway bubbler by Computer Room 2nd draw				
Lead	1.4		1.0	ug/L
Field ID: 02BSHABYCOMP02A				Sample ID: 1604053-03
Metals ICPMS Hallway bubbler by Music Room 1st draw				
Lead	1.8		1.0	ug/L
Field ID: 03BSHABYMUSI01A				Sample ID: 1604053-04
Metals ICPMS Hallway bubbler by Music Room 2nd draw				
Lead	---	U	1.0	ug/L
Field ID: 04BSHABYMUSI02A				Sample ID: 1604053-05
Metals ICPMS Hallway bubbler by Room 107 1st draw				
Lead	---	U	1.0	ug/L
Field ID: 0501HABYC10701A				Sample ID: 1604053-06
Metals ICPMS Hallway bubbler by Room 107 2nd draw				
Lead	2.4		1.0	ug/L
Field ID: 0601HABYC10702A				Sample ID: 1604053-07
Metals ICPMS				

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#2 Philip G. Vroom School-1604053

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 0601HABYC10702A				Sample ID: 1604053-07
Metals ICPMS — Hallway bubbler by Room 107 2nd draw				
Lead	1.8		1.0	ug/L
Field ID: 0701CRINC10701A				Sample ID: 1604053-08
Metals ICPMS — Classroom bubbler in Room 107 1st draw				
Lead	6.6		1.0	ug/L
Field ID: 0801CRINC10702A				Sample ID: 1604053-09
Metals ICPMS — Classroom bubbler in Room 107 2nd draw				
Lead	---	U	1.0	ug/L
Field ID: 0901CRINC10801A				Sample ID: 1604053-10
Metals ICPMS — Classroom bubbler in Room 108 1st draw				
Lead	47		1.0	ug/L
Field ID: 1001CRINC10802A				Sample ID: 1604053-11
Metals ICPMS — Classroom bubbler in Room 108 2nd draw				
Lead	3.9		1.0	ug/L
Field ID: 1101CRINC10401A				Sample ID: 1604053-12
Metals ICPMS — Classroom bubbler/faucet Room 104 1st draw				
Lead	2.8	L	1.0	ug/L
Field ID: 1201CRINC10402A				Sample ID: 1604053-13
Metals ICPMS — Classroom bubbler/faucet Room 104 2nd draw				
Lead	8.1		1.0	ug/L

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#2 Philip G. Vroom School-1604053

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 1301HABYC10301A				Sample ID: 1604053-14
Metals ICPMS Hallway bubbler in Room 103 1st draw				
Lead	---	U	1.0	ug/L
Field ID: 1401HABYC10302A				Sample ID: 1604053-15
Metals ICPMS Hallway bubbler in Room 103 2nd draw				
Lead	---	U	1.0	ug/L
Field ID: 1501CRINC10301A				Sample ID: 1604053-16
Metals ICPMS Faucet/bubbler Room 103 1st draw				
Lead	3.0		1.0	ug/L
Field ID: 1601CRINC10302A				Sample ID: 1604053-17
Metals ICPMS Faucet /bubbler Room 103 2nd draw				
Lead	1.1		1.0	ug/L
Field ID: 1701CRINC10201A				Sample ID: 1604053-18
Metals ICPMS Faucet/bubbler Room 102 1st draw				
Lead	2.5		1.0	ug/L
Field ID: 1801CRINC10202A				Sample ID: 1604053-19
Metals ICPMS Faucet/bubbler Room 102 2nd draw				
Lead	1.7		1.0	ug/L
Field ID: 1901CRINC10101A				Sample ID: 1604053-20
Metals ICPMS Faucet/bubbler Room 101 1st draw				

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#2 Philip G. Vroom School-1604053

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 1901CRINC10101A				**Sample ID: 1604053-20**
Metals ICPMS Faucet/bubbler in Room 101 1st draw				
Lead	3.0		1.0	ug/L
Field ID: 2001CRINC10102A				**Sample ID: 1604053-21**
Metals ICPMS Faucet/bubbler in Room 101 2nd draw				
Lead	---	U	1.0	ug/L
Field ID: 2102HABYC20701A				**Sample ID: 1604053-22**
Metals ICPMS Hallway bubbler by Room 207 1st draw				
Lead	2.8		1.0	ug/L
Field ID: 2202HABYC20702A				**Sample ID: 1604053-23**
Metals ICPMS Hallway bubbler by Room 207 2nd draw				
Lead	2.5		1.0	ug/L
Field ID: 2302MOINNURS01F				**Sample ID: 1604053-24**
Metals ICPMS Nurses Office faucet 1st draw				
Lead	7.5		1.0	ug/L
Field ID: 2402MOINNURS02F				**Sample ID: 1604053-25**
Metals ICPMS Nurses Office 2nd draw				
Lead	---	U	1.0	ug/L
Field ID: 2502CRINC20301F				**Sample ID: 1604053-26**
Metals ICPMS Faucet in Room 203 1st draw				
Lead	---	U	1.0	ug/L

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#2 Philip G. Vroom School-1604053

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 2502CRINC20301F				Sample ID: 1604053-26
Metals ICPMS Faucet in Room 203 1sr draw				
Field ID: 2602CRINC20302F				Sample ID: 1604053-27
Metals ICPMS Faucet in Room 203 2nd draw				
Lead	—	U	1.0	ug/L
Field ID: 2702CRINC20201F				Sample ID: 1604053-28
Metals ICPMS Faucet in Room 202 1st draw				
Lead	1.0		1.0	ug/L
Field ID: 2802CRINC20202F				Sample ID: 1604053-29
Metals ICPMS Faucet in Room 202 2nd draw				
Lead	---	U	1.0	ug/L
Field ID: 2902CRINC20101F				Sample ID: 1604053-30
Metals ICPMS Faucet in Room 201 1st draw				
Lead	---	U	1.0	ug/L
Field ID: 3002CRINC20102F				Sample ID: 1604053-31
Metals ICPMS Faucet in Room 201 2nd draw				
Lead	---	U	1.0	ug/L
Field ID: 3103HABYC30301A				Sample ID: 1604053-32
Metals ICPMS Hallway bubbler by Room 303 1st draw				
Lead	---	U	1.0	ug/L

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project:BPS-#2 Philip G. Vroom School-1604053

Project Number: 1603046

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: 3203HABYC30302A				Sample ID: 1604053-33
Metals ICPMS	Hallway bubbler by Room 303 2nd draw			
Lead	---	U	1.0	ug/L

Appendix D

LIENT INFORMATION

lame:	Bayonne Public Schools
ıddress:	669 Avenue A, Bayonne, NJ 07002
:li 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

CHOOL/PROJECT INFORMATION

ıLDG ID:	
ıLDG No./Name:	#2 Philip G. Vroom School
ıLDG Address:	18 West 26th Street, Bayonne NJ 07002
:ontact Name & Numbers:	Mike Kubert 201.858.5582 mkubert@bboed.org

)) Yr. Built:	(1) Yr.1st Add.:	(2) Yr. 2nd Add.:	(3) Yr. 1st Mod.:	(4) Yr. 2nd Mod.:
1914				

NSPECTOR(S): Erwin Smieszek (Lead) & Kate Drisco **SAMPLING DATE: Thursday, April 28, 2016**

AMPLE DATA

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)	
——— EGS				——— EGS			——— EGS					
00-PV-FRBLANK							Hallway Basement by Computer Room		✓		0444	
01	BS	HA	BY	COMP		01A	ELKAY m/n EDFP210CB s/n 14044258 Hallway bubbler by Computer Room		✓		0447	
02	BS	HA	BY	COMP		02A	no filter			✓		
03	BS	HA	BY	MUSI		01A	Hallway bubbler by Music Room		✓		0452	
04	BS	HA	BY	MUSI		02A	no filter			✓		
05	01	HA	BY	C107		01A	ELKAY m/n EDFP210CB s/n 13102?247 Hallway bubbler by classroom 107		✓		0457	
06	01	HA	BY	C107		02A	no filter			✓		
07	01	CR	IN	C107		01A	Faucet/bubbler ~~Hallway bubbler by~~ classroom 107 bubbler		✓		0501	
08	01	CR	IN	C107		02A	no filter			✓		
09	01	CR	IN	C108		01A	Faucet/bubbler Classroom 108 bubbler		✓		0507	
10	01	CR	IN	C108		02A	no filter			✓		

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

All samples are lab Preserved by W. Rickett @ 9:15 on 4/28/16.

HAIN OF CUSTODY

elinquished By:	Received By:	Date/Time:
Erwin J. Smieszek [signature]	[signature]	042816 0850

lethod of shipment/delivery: ___Fed-Ex _X_Hand Delivery __US Mail ___UPS ___Courier ___Other:____

ISTRUCTIONS TO THE LABORATORY

X Analyze all samples. _ Follow QAPP instructions X Lab 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

:omments: Provide Laboratory Data Report (LDR)

LIENT INFORMATION

lame:	Bayonne Public Schools
ddress:	669 Avenue A, Bayonne, NJ 07002
li 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

CHOOL/PROJECT INFORMATION

LDG ID:	
LDG No./Name:	#2 Philip G. Vroom School
LDG Address:	18 West 26th Street, Bayonne NJ 07002
ontact Name & Numbers:	Mike Kubert 201.858.5582 mkubert@bboed.org

)) Yr. Built:	(1) Yr.1st Add.:	(2) Yr. 2nd Add.:	(3) Yr. 1st Mod.:	(4) Yr. 2nd Mod.:
1914				

NSPECTOR(S): Erwin Smieszek (Lead) & Kate Drisco **SAMPLING DATE: Thursday, April 28, 2016**

AMPLE DATA

Sample #	Floor	Functional Space Code	IN/BY	Room Number	Construc.Code	Sample/Outlet Code	Sampled Outlet Location/Coordinates	Model number and Serial number	0 Seconds	30 Seconds	Time of collection (24hr)	
1	01	CR	IN	C104	0	1A	Faucet/Bubbler Classroom 104 bubbler		✓		0510	
2	01	CR	IN	C104	0	2A	no Pur filter			✓		
3	01	HA	BY	C103	0	1A	~~Hall~~ Hallway bubbler by Classroom 103		✓		0514	
4	01	HA	BY	C103	0	2A	no Pur filter			✓		
	01	CR	IN	C103	0	1A	Faucet/Bubbler Classroom 103 bubbler		✓		0518	
6	01	CR	IN	C103	0	2A	no Pur filter			✓		
7	01	CR	IN	C102	0	1A	Faucet/Bubbler Classroom 102 bubbler		✓		0522	
8	01	CR	IN	C102	0	2A	no Pur filter			✓		
9	01	CR	IN	C101	0	1A	Faucet/Bubbler Classroom 101 bubbler		✓		0528	
20	01	CR	IN	C101	0	2A	no Pur filter			✓		
21	02	HA	BY	C207	0	1A	Halsey Taylor [illegible] 2015 Hallway Bubbler by Classroom 207		✓		0535	
2	02	HA	BY	C207	0	2A	no Pur filter			✓		

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

HAIN OF CUSTODY

elinquished By:	Received By:	Date/Time:
Erwin J. Smieszek	[signature]	042816 0845
l.		

lethod of shipment/delivery: ___ Fed-Ex _X_ Hand Delivery ___ US Mail ___ UPS ___ Courier ___ Other: ___

ISTRUCTIONS TO THE LABORATORY

X Analyze all samples. X Follow QAPP instructions __ Lab 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

omments: Provide Laboratory Data Report (LDR)

LIENT INFORMATION

lame:	Bayonne Public Schools
ddress:	669 Avenue A, Bayonne, NJ 07002
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

CHOOL/PROJECT INFORMATION

LDG ID:	
LDG No./Name:	#2 Philip G. Vroom School
LDG Address:	18 West 26th Street, Bayonne NJ 07002
ontact Name & Numbers:	Mike Kubert 201.858.5582 mkubert@bboed.org

) Yr. Built:	(1) Yr.1st Add.:	(2) Yr. 2nd Add.:	(3) Yr. 1st Mod.:	(4) Yr. 2nd Mod.:
1914				

NSPECTOR(S): Erwin Smieszek (Lead) & Kate Drisco **SAMPLING DATE: Thursday, April 28, 2016**

AMPLE 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	MO	IN	NURS	0	1 F	Delta - aerator - metered nurse office faucet no Pou filter		✓		0538	
24	02	MO	IN	NURS	0	2 F	1½ secs water bottled			✓		
25	02	CR	IN	C203	0	1 F	Delta - aerator - metered Classroom 203 faucet		✓		0542	
26	02	CR	IN	C203	0	2 F	no Pou filter			✓		
[illegible]	02	CR	IN	C202	0	1 F	Delta - aerator - metered Classroom 202 faucet		✓		0546	
28	02	CR	IN	C202	0	2 F	no Pou filter			✓		
29	02	CR	IN	C201	0	1 F	Delta - aerator - metered Classroom 201 faucet		✓		0551	
30	02	CR	IN	C201	0	2 F	no Pou filter			✓		
31	03	HA	BY	C303	0	1 A	ELKAY w/o EDFP210C 8 4/11 15C729:34 Hallway bubbler by Classroom 303		✓		0557	
32	03	HA	BY	C303	0	2 A	no Pou filter slight yellow color			✓		

EJS EJS

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

HAIN OF CUSTODY

elinquished By:	Received By:	Date/Time:
Erwin J. Smieszek		0845 042916
:		
.		

lethod of shipment/delivery: __Fed-Ex X Hand Delivery __US Mail __UPS __Courier __Other:__

NSTRUCTIONS TO THE LABORATORY

X Analyze all samples. X Follow QAPP instructions __Lab 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

omments: Provide Laboratory Data Report (LDR)

Table 1.
OUTLET/ PLUMBING/ SAMPLE CODE

CODE	TYPE OF OUTLET OR PLUMBING	INITIAL SCREENING (1ST DRAW) SAMPLE	FOLLOW-UP SAMPLES
S	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

CODE	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	1st Floor
02	2nd Floor
03	3rd Floor
04	4th Floor etc.

Table 4.
CONSTRUCTION DATE CODE

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

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

USEPA 3Ts program: BPS - Analytical Results for#4 Mary J. Donohoe; #2 Philip G. Vroom; #5 Lincoln Community Schools

2 messages

Kushwara, John <kushwara.john@epa.gov> Fri, May 13, 2016 at 10:37 AM
To: Michael Kubert <mkubert@bboed.org>, "Tellman, Karen" <ktellman@bboed.org>, "Palagian, Evangelia" <Palagian.Evangelia@epa.gov>
Cc: "Kraft, Nicole" <Kraft.Nicole@epa.gov>, "McKenna, Douglas" <McKenna.Douglas@epa.gov>, "Tran, Thuan" <Tran.Thuan@epa.gov>, "Williamson, Anahita" <Williamson.Anahita@epa.gov>, "SMIESZEK, Erwin" <Smieszek.Erwin@epa.gov>

Good morning Mike/Karen/Evanglia,

I am providing this report in Erwin's absence. The below table displays the Bayonne Public Schools (BPS) #5 Lincoln Community School and #2 Philip Vroom School analytical results which are above the 3T's Action Limit of greater than 20ug/L (ppb) for sampling conducted on April 28, 29 2016. Please note that #5 Lincoln Community School had outlets just below the 3T's Action Limit and those results are also provided below. BPS should contact Evangelia Palagian (212.637.4246 or Palagian.evangelia@epa.gov) concerning the next steps regarding these potable water outlets. The remaining analytical results for the above schools and for #4 Mary Donohoe School were below the 3T's Action Limit.

#2 Vroom School Sample IDs	Results ug/L (ppb)	Comments
0901CRINC10801A	47	First Floor Classroom 108, Bubbler, First Draw (initial). See field sampling report for more information.

Bayonne Board of Education
Repair and Transportation Department
54 Juliette Street
Bayonne, New Jersey 07002

Michael Kubert
Superintendent of Buildings and Grounds

Phone 201-858-5582
Fax 201-858-5876

To: Evangelia Palagian/EPA

From: Michael Kubert, Superintendent of Bldgs. & Grds.

Date: June 6, 2016

Re: Remediation for Deficiencies

#2/Vroom Testing Date- 4/28/2016
16 potable water outlets tested 1 deficiency

1st deficiency – Sink in room 108 Results 47ppb
Remediation - Sink was shut down. Bubbler was replaced and sink remains shut down until retesting can be done. Bottled water sent to the building for room.

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-#2 Philip G. Vroom School-1606038

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,

John R. Bourbon
Chief, DESA/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#2 Philip G. Vroom School-1606038

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.

Final Report

Project: BPS-#2 Philip G. Vroom School-1606038

Project Number: 1606038

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
00 - PV-FRBLANK	1606038-01	Aqueous	06/16/2016 05:02	06/16/2016 08:30
0901CRINC10801A	1606038-02	Aqueous	06/16/2016 05:03	06/16/2016 08:30
1001CRINC10802A	1606038-03	Aqueous	06/16/2016 05:03	06/16/2016 08:30

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-#2 Philip G. Vroom School-1606038

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-#2 Philip G. Vroom School-1606038

Project Number: 1606038

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: 00 - PV-FRBLANK				Sample ID: 1606038-01	
Metals ICPMS					
Lead	---	U	1.0	ug/L	
Field ID: 0901CRINC10801A				Sample ID: 1606038-02	
Metals ICPMS					
Lead	70		5.0	ug/L	
Field ID: 1001CRINC10802A				Sample ID: 1606038-03	
Metals ICPMS					
Lead	7.4		1.0	ug/L	

Attachment D - Filter Inventory

(Complete for each school as applicable)

Name of School: #2 Room School Grade Levels: Pre-K To 8

Address: 14 West 20TH STREET

Individual School Project Officer Signature: Michael Kuibert Date: 7-18-2017

Sample Location / Code	Brand	Type (Make & Model)	Date Installed or Replaced	Replacement Frequency	NSF Certified for Lead Reduction Y/N
Room 108 COOLERINCLOSOIA	AQUA-PURE	3MFF100	7-17-2017	6 MONTHS OR 600 GAL	Y

Filter Log

Attachment B – Filter Inventory

(Complete for each school as applicable)

Name of School: #2 Room School Grade Levels: Pre-K To 8

Address: 14 West 26TH STREET

Individual School Project Officer Signature: Michael Hubert Date: 7-18-2017

Sample Location / Code	Brand	Type (Make & Model)	Date Installed or Replaced	Replacement Frequency	NSF Certified for Lead Reduction Y/N
Room 108	AQUA-	3MFF100	7-17-217	6 MONTHS	Y
COOLERINCICOOLA	PURE			OR 600 GAL	

Filter log

Bayonne School District

Kubert, Michael <mkubert@bboed.org>

RE: 3Ts Lead in Drinking Water - Bayonne Public Schools - retest September 1st - field report

2 messages

SMIESZEK, Erwin <Smieszek.Erwin@epa.gov> Thu, Sep 1, 2016 at 10:58 AM
To: "Kubert, Michael" <mkubert@bboed.org>, "Palagian, Evangelia" <Palagian.Evangelia@epa.gov>
Cc: "Tellman, Karen" <ktellman@bboed.org>, "Kraft, Nicole" <Kraft.Nicole@epa.gov>, "McKenna, Douglas" <McKenna.Douglas@epa.gov>, "Kushwara, John" <kushwara.john@epa.gov>, "Morrell, Robert" <Morrell.Robert@epa.gov>, "Lynes, Carol" <Lynes.Carol@epa.gov>, "Adams, Darvene" <Adams.Darvene@epa.gov>

Hi Evangelia/Mike,

Mike, please confirm that you are in receipt of this email.

Today, September 1, 2016, EPA (Smieszek/Morrell) met Bayonne representatives Mr. Mike Kubert and Mr. Scott Nolan in response to the July 21, 2016 email (Kubert to Palagian). The email requests EPA assistance to re-sample four (4) remediated outlets (new copper lines and 3M Aqua-Pure filters model 3MFF100). Each of these outlets had lead levels above NJDEP's Action Limit of >15ppb from the June 16, 2016 EPA re-sampling event (see Smieszek 6/30/2016 email for analytical results).

During sampling, EPA observations/comments are provided below as well as in the attached Chain of Custody's/comments for each school. Note that the sample number used in the March/April and June 16, 2016 initial/retest sampling event was used for today's sampling event. Building diagrams with sample locations were not updated, since the same location had been sampled.

Per Mr. Kubert, all four (4) buildings to be sampled were closed at 7pm on August 31, 2016. Sampling began at 5:09am on September 1, 2016. The 3Ts 8 hour requirement was met.

#2 Vroom School **Sample IDs**	**Comments**
0901CRINC10801A First Floor Classroom 108, Bubbler	4.28.2016: First Draw (initial) 47 ppb. Remediation: BPS replaced bubbler. 6.16.2016: EPA observed replaced bubbler, conducted re-test. No POU filter.

Subject: RE: Re-testing

Mike,

EPA will be able to test the post-remediated outlets you have listed below. Erwin will be back in the office on August 29th and can coordinate the testing date with you soon after. In the interim, EPA expects that a public notice letter and EPA results be made available at the start of the upcoming school year.

Please let me know what arrangements you have made regarding 3Ts testing at outlets in the high-school.

Regards,

Evangelia Palagian

3Ts Coordinator

(212) 637-4246

From: Tellman, Karen [mailto:ktellman@bboed.org]
Sent: Thursday, July 21, 2016 1:41 PM
To: Palagian, Evangelia <Palagian.Evangelia@epa.gov>; Michael Kubert <mkubert@bboed.org>
Subject: Re-testing

On behalf of Mike Kubert

Good afternoon,

The Bayonne Board of Education has remediated the deficiencies at the following locations:

#2 School - Room 108

#12 School - Room 1

#6 School - Art Room Basement

#5 School - Room 15 (sink)

All new areas have been remedied with new copper lines and Aqua-Pure filters, model 3MFF100.

As a result of remediation we are ready to schedule re-testing with the EPA at your convenience. Please advise.

Karen Tellman

Bayonne Board of Education

Repair and Transportation Department

Aqua-Pure®

Spec #

Quantity

Models:

3MFF100

Full Flow Drinking Water System

Applications:

- Chlorine Taste & Odor (CTO)
- Particulate
- Lead & *Cryptosporidium parvum* Cysts
- Select VOCs*

At a Glance:

- Easy to install
- Easy to replace cartridge
- 6,000 Gallon/22,712 liter Capacity
- 2.5 gpm/9.5 lpm Flow Rate
- 0.2 Nominal Micron Rating
- NSF Certified for NSF/ANSI Standard 42, Standard 53, and CSA B483.1
- WQA Certified for NSF/ANSI 372 to meet low lead compliance for CA AB1953
- Certified for use in California per California Department of Public Health Certification Number: 09-2017
- Registered for use in Los Angeles County by the Department of Building and Safety. File Number: M-080152

3MFF100

Product Benefits:

- 2.5 GPM allows filter system to be used on existing kitchen and /or bathroom faucets
- 3/8" NPT connections on filter head makes installation easy
- Shut off valve in head eliminates the need to turn off water supply
- Sanitary quick change cartridge design eliminates the need to handle filter media
- Easy filter change-outs, just a 1/4 turn to remove and insert
- Designed to connect to your existing primary kitchen or bathroom faucet for full flow filtration
- *This system reduces CTO, particulate, and a number of select VOCs (Benzene, p-Dichlorobenzene & Toxaphene), as well as lead and 99.95% of filterable *Cryptosporidium parvum* cysts

Physical Specifications:

Model No. (Part No.)	Inlet/ Outlet Size	Dimensions		Approximate Weight	Flow Rate	Capacity	Max. Water Temp.	Max. Water Pressure	Std. Replacement Ctg. No.
		Height	Diameter						
3MFF100 (56163-18)	3/8" NPT	16" (40.6 cm)	4-1/2" (11.4 cm)	4 lbs (1.8 kg)	2.5 gpm (9.5 lpm)	6,000 gallons (22,712 liters)	100 °F (37.8 °C)	125 psi (862 kPa)	56134-32
3MFF101 (56134-32)	N/A	14.5" (36.8 cm)		3.5 lbs (1.6kg)	N/A				N/A

3M

	First Draw (initial) 70ppb exceeds NJ DEP and EPA AL. Remediation: BPS new copper lines/Aqua-Pure filters model 3MFF100 **9.1.2016**: Faucet/Bubbler. Sampled bubbler. New copper piping was installed with ProPress copper fittings. 3M Filter model 3MFF101 and timer was installed.

#5 Lincoln School **Sample IDs**	**Comments**
2301CRINC11511F First Floor Classroom 115, Faucet	4.29.2016: First Draw (initial) 24 ppb. Remediation: BPS replaced faucets. 6.16.2016: EPA observed replaced faucets, conducted re-test of Left faucet (3 faucets). Screen off. No POU filter. First Draw (initial) 23ppb exceeds NJ DEP and EPA AL. Remediation: BPS new copper lines/Aqua-Pure filters model 3MFF100 **9.1.2016**: Two (2) faucets removed. Middle faucet remained. T&S Brass with screen on. New copper piping was installed. 3M Filter model 3MFF101and timer was installed in cabinet under sink.

#6 Horace Mann **Sample IDs**	**Comments**
05BSRMINB11-11F Basement Floor Room B11 (Art Room)	4.7.2016: First Draw (initial) 130 ppb. Remediation: BPS replaced sink, faucet, vanity. 6.16.2016: EPA observed replaced sink, faucet, conducted re-test. Tabco Sink – states NSF; No Screen; No POU filter. Braided supply line AB1953 Low lead requirement. First Draw (initial) 120ppb exceeds NJ DEP and EPA AL. Remediation: BPS new copper lines/Aqua-Pure filters model 3MFF100 **9.1.2016**: See attached photo. Cold water valve was turned off. Mr. Kubert turned the valve on. Delta faucet with aerator. New copper piping was installed with ProPress copper fittings. 3M Filter model 3MFF101 installed 7/21/2016. Separate timer was installed.

#12 Bailey School Sample IDs	Comments
1301CRINCR0101F First Floor Classroom 1 Faucet.	4.21.2016: First Draw (initial) 25 ppb. Remediation: BPS Replaced faucets. 6.16.2016: EPA observed new faucet, conducted re-test. Delta metered, aerator, no POU filter. First Draw (initial) 19.7ppb exceeds NJ DEP AL, but below EPA AL. Note: 20ug/L result reported to 2 significant figures. Smieszek requested Laboratory to report to 3 significant figures for 3Ts AL. Remediation: BPS new copper lines/Aqua-Pure filters model 3MFF100 **9.1.2016**: Delta metered faucet. New copper piping was installed with ProPress copper fittings. 3M Filter model 3MFF101 installed 7/19/2016. Separate timer was installed.
2302HABYCR1701A Second Floor Hallway Bubbler by Classroom 17.	4.21.2016: First Draw (initial) 24 ppb. Remediation: BPS Replaced old porcelain fountain. 6.16.2016: EPA observed Stainless Steel fountain, conducted re-test. After sampling, when applying new sample tag under basin, noticed that EPA sample tag was from Horace Mann School (same sample number, m/n, s/n) that had exceeded 3Ts Action Limit. Per Kubert, a new bubbler was to be have been installed. Mr. Kubert to follow-up. First Draw (initial) 28ppb exceeds NJ DEP and EPA AL. Remediation: BPS removed Hallway bubbler. **9.1.2016**: EPA visually verified that the bubbler was removed. The wall was patched.

Erwin

Erwin Smieszek
Environmental/Chemical Engineer
2890 Woodbridge Avenue, Bldg 209, Edison NJ 08837
ph 732.321.6718 / fax - 732.321.6616 / smieszek.erwin@epa.gov
U.S. Environmental Protection Agency - Region 2

From: Kubert, Michael [mailto:mkubert@bboed.org]

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-#2 Philip G. Vroom School-1609021

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,

John R. Bourbon
Chief, DESA/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report
Project: BPS-#2 Philip G. Vroom School-1609021
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):

e "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-#2 Philip G. Vroom School-1609021

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SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
00-PV-FRBLANK	1609021-01	Aqueous	09/01/2016 05:41	09/01/2016 09:00
0901CRINC10801A	1609021-02	Aqueous	09/01/2016 05:42	09/01/2016 09:00
1001CRINC10802A	1609021-03	Aqueous	09/01/2016 05:42	09/01/2016 09:00

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

Reported: 10/4/2016

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: BPS-#2 Philip G. Vroom School-1609021

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-#2 Philip G. Vroom School-1609021

Project Number: 1609008

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: 00-PV-FRBLANK				Sample ID: 1609021-01	
Metals ICPMS					
Lead	---	U	1.0	ug/L	
Field ID: 0901CRINC10801A				Sample ID: 1609021-02	
Metals ICPMS					
Lead	---	U	1.0	ug/L	
Field ID: 1001CRINC10802A				Sample ID: 1609021-03	
Metals ICPMS					
Lead	---	U	1.0	ug/L	

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

SCHOOL PROJECT INFORMATION

LDG ID:	
LDG No./Name:	#2 Philip G. Vroom School
LDG Address:	18 West 26th Street, Bayonne NJ 07002
Contact Name & Numbers:	Mike Kubert 201.858.5582 mkubert@bboed.org

(0) Yr. Built:	(1) Yr.1st Add.:	(2) Yr. 2nd Add.:	(3) Yr. 1st Mod.:	(4) Yr. 2nd Mod.:
1914				

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)
20-PV-FRBLANK				Classroom 108					✓	0541	
2901CRINC108R1A				Classroom 108 Faucet/Rubber - sampled bubbler new upper style - proper curvature					✓	0542	
2901CRINC108R2A									✓	—	

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

Preserved at 0914 on 9/1 WR

CHAIN OF CUSTODY

Relinquished By:	Received By:	Date/Time:
Erwin J. Smieszek		9/1/16 9:20am
		9/1/16 9:30

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

INSTRUCTIONS TO THE LABORATORY

X Analyze all samples.
X Follow QAPP instructions
Lab 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)

News Release

Lead Levels in School Drinking Water Meet Federal and State Guidelines

The Bayonne School District announced today that recent tests of drinking water in all District elementary schools indicate that lead levels meet federal and state guidelines. Although lead was initially detected above the recommended level in 3% of the samples tested, lead levels were reduced to acceptable levels following replacement or removal of the outlets.

In making the announcement, School Superintendent Patricia L. McGeehan Ed.D., stated, "We are pleased that the testing program identified only 13 of the 430 samples with elevated lead levels. All concerns have been remediated."

The School District conducted the testing program to make sure that drinking water in the school system is safe for children and school staff. Water with high lead levels can contribute to negative health effects, especially in young children.

The testing was conducted by the US Environmental Protection Agency. Samples from various locations in each of the schools were sent to the EPA laboratory for analysis. The final laboratory results were received by the School District October 5, 2016.

Information about the lead testing program, including the laboratory results, can be found at the District's Central Office, weekdays between 9:00 a.m. and 4:00 p.m. or at the District's website at Questions may also be addressed to Christopher L. Patella, Risk Manager for the Bayonne School District at 201-858-5936.