

# PATRICK HENRY WATER SAMPLING JUNE 2022



PATRICK HENRY ELEMENTARY SCHOOL

4643 TANEY AVENUE  
ALEXANDRIA, VIRGINIA 22304

ECS PROJECT NO. 47:11652-E

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

JULY 26, 2022





July 26, 2022

Mr. John Contreras  
Alexandria City Public Schools  
1340 Braddock Place  
Alexandria, Virginia 22314  
john.contreras@acps.k12.va.us

ECS Project No. 47:11652-E

Reference: Patrick Henry Water Sampling June 2022, Patrick Henry Elementary School, 4643 Taney Avenue, Alexandria, Virginia

Dear Mr. Contreras:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Alexandria City Public Schools with the results of the water sampling performed at Patrick Henry Elementary School located at 4643 Taney Avenue in Alexandria, Virginia. This report summarizes our observations, analytical results, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 47:16189-EP and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Alexandria City Public Schools with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC

A handwritten signature in blue ink, reading 'L.E. Kesslak'.

Lauren E. Kesslak, CIH, CSP  
Environmental Senior Project Manager  
LKesslak@ecslimited.com  
703-471-8400

A handwritten signature in blue ink, reading 'Chris Chapman'.

Christopher J. Chapman, CIH  
Director of Industrial Hygiene  
cchapman@ecslimited.com  
804-353-6333

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## 1.0 PROJECT DESCRIPTION

The Patrick Henry Elementary School is a three-story school building located at 4643 Taney Avenue in Alexandria, Virginia. The building is currently occupied, and is used by Alexandria City Public Schools (ACPS) as a school and office facility. The site is located within City of Alexandria and is under the jurisdiction of the City of Alexandria, Virginia, federal Environmental Protection Agency (EPA), and Commonwealth of Virginia - Code of Regulations for drinking water.

The site receives water from Virginia American Water, which is classified as a public drinking water system by the EPA under the Safe Drinking Water Act (SDWA). Because the site is connected to a public water system, the site is not independently regulated as a water supplier by the EPA.

## 2.0 PURPOSE

The purpose of this water sampling event was provide periodic - proactive re-testing of select drinking water sources within the school. This was not a comprehensive sampling of all potable drinking water sources in the school.

US EPA created the Lead and Copper Rule under the Safe Drinking Water Act (SDWA). US EPA established a lead action level of 15 ppb (parts per billion) or 0.015 milligrams per liter (mg/L).

The Code of Virginia § 22.1-135.1 currently requires Virginia school boards to develop and implement a plan to test, and if necessary, remediate potable water sources identified by the US EPA as a high priority. Each local school board shall submit testing plans and laboratory results to the Department of Health. If potable water sources are detected at or above 10 parts per billion (0.010 mg/L), the school board shall notify parents of such results.

The US EPA's *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (EPA 815-B-18-007)* was created to provide recommendations on how to address lead in drinking water in schools and child care facilities. The procedures and response actions outlined in the EPA's 3Ts document are recommendations not requirements. The EPA's 3Ts guidance document does not set action levels for lead in drinking water but it does reference the action levels created for public water systems in the EPA's LCR. The results of this water sampling event will be compared to the action levels set in the EPA's LCR.

## 3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for sampling drinking water.

### 3.1 Lead and Copper in Drinking Water

Sample protocols were performed following the guidance of the US EPA document, *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (EPA 815-B-18-007)*. For each facility, water samples were collected from priority drinking water sources that were previously sampled and shown to have elevated levels of lead within the water.

ECS coordinated the water sampling with ACPS officials, and it is ECS's understanding that all of the water sources sampled were not in use at least eight hours prior to sampling. ACPS personnel granted ECS access to the building. ECS attempted to sample 20% of the accessible potable water sources within the building, with a minimum of five samples per building and a minimum of two samples per floor. During sampling, initial draw samples were collected. The samples were collected in 250 mL bottles with a nitric acid preservative. These water bottles were provided to ECS by Maryland Spectral Services, Inc. The water samples were provided with unique identification labels which include the school initials, a sequential number identifier, and sample location identifier.

The collected samples were sealed and transported by courier to Maryland Spectral Services located in Baltimore, Maryland under chain of custody protocol for analysis per EPA Methodology for lead in drinking water.

Please note that efforts were made to collect samples from selected outlets in accordance with the methodology described above. Some areas within the building were locked. ECS was not able to sample outlets in the locked areas.

#### **4.0 RESULTS**

The following is a summary of laboratory results, findings and observations.

##### **4.1 Lead in Drinking Water**

None of the water samples collected were reported to have concentrations above the EPA lead action level of 0.015 mg/L or the VA action level of 0.01 mg/L. In total, forty-four (44) water samples were collected from the building. A table of the collected samples and the associated analytical results can be found in the appendices. Please note that the analytical results displayed in the table have been converted to mg/L (PPM) for easy reference. A copy of the laboratory analytical results and chain of custody are attached to this report. A sketch identifying the approximate location of each water sample can also be found in the appendices.

##### **4.2 Copper in Drinking Water**

None of the water samples collected were reported to have concentrations above the EPA copper action level of 1.3 mg/L (PPM). In total, forty-four (44) water samples were collected from the building. A table of the collected samples and the associated analytical results can be found in the appendices. Please note that the analytical results displayed in the table have been converted to mg/L (PPM) for easy reference. A copy of the laboratory analytical results and chain of custody are attached to this report. A sketch identifying the approximate location of each water sample can also be found in the appendices.

#### **5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS**

Based on our understanding of the purpose of the Patrick Henry Water Sampling June 2022, the results of laboratory analysis, and our findings and observations, ECS presents the following recommendations.

## 5.1 Lead in Drinking Water

The sample results were below the action level, and no further testing or remediation is indicated at this time.

No specific time frame is given in which follow-up testing for the schools needs to be performed. As good practice, ECS recommends performing follow-up periodic testing every three years. If additional guidelines or regulations are enacted at a state or federal level, the frequency of testing should be modified to reflect these changes.

In the US EPA 3Ts document, routine control measures are recommended as general good practice for over-all drinking water safety. The routine control measures that should be conducted to prevent exposure to elevated levels of lead, include the following:

- Clean debris from all accessible screens frequently. If you discovered sediments in faucet screens, have the sediments tested for lead and continue to clean your screens frequently, even if the analysis finds no lead.
- Use only cold water for food and beverage preparation. Hot water will dissolve lead more quickly than cold water and is likely to contain increased lead levels. If hot water is needed, it should be taken from the cold water tap and heated on a stove or in a microwave oven.
- Instruct the users (students and staff) to run the water before drinking or staff could run the water before students arrive, so they are drinking water that has not been in contact with the faucet interior since faucets are often a major source of lead in drinking water.
- Placard bathroom sinks with notices that water should not be consumed. You should use pictures if there are small children using bathrooms.
- US EPA recommends public notification of the findings of this sample event to the public and school staff. EPA has described different procedures for dissemination of this information which are described in Section III.6 of the 3 Ts document. The school should review the different methods described and choose the most appropriate method for the school.

## 5.2 Copper in Drinking Water

The sample results were below the action level, and no further testing or remediation is indicated at this time.

No specific time frame is given in which follow-up testing for the schools needs to be performed. As good practice, ECS recommends performing follow-up periodic testing every three years. If additional guidelines or regulations are enacted at a state or federal level, the frequency of testing should be modified to reflect these changes.

In the US EPA 3Ts document, routine control measures are recommended as general good practice for over-all drinking water safety. The routine control measures that should be conducted to prevent exposure to elevated levels of lead, include the following:

- Clean debris from all accessible screens frequently. If you discovered sediments in faucet screens, have the sediments tested for lead and continue to clean your screens frequently, even if the analysis finds no lead.

- Use only cold water for food and beverage preparation. Hot water will dissolve lead more quickly than cold water and is likely to contain increased lead levels. If hot water is needed, it should be taken from the cold water tap and heated on a stove or in a microwave oven.
- Instruct the users (students and staff) to run the water before drinking or staff could run the water before students arrive, so they are drinking water that has not been in contact with the faucet interior since faucets are often a major source of lead in drinking water.
- Placard bathroom sinks with notices that water should not be consumed. You should use pictures if there are small children using bathrooms.
- US EPA recommends public notification of the findings of this sample event to the public and school staff. EPA has described different procedures for dissemination of this information which are described in Section III.6 of the 3 Ts document. The school should review the different methods described and choose the most appropriate method for the school.

## 6.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

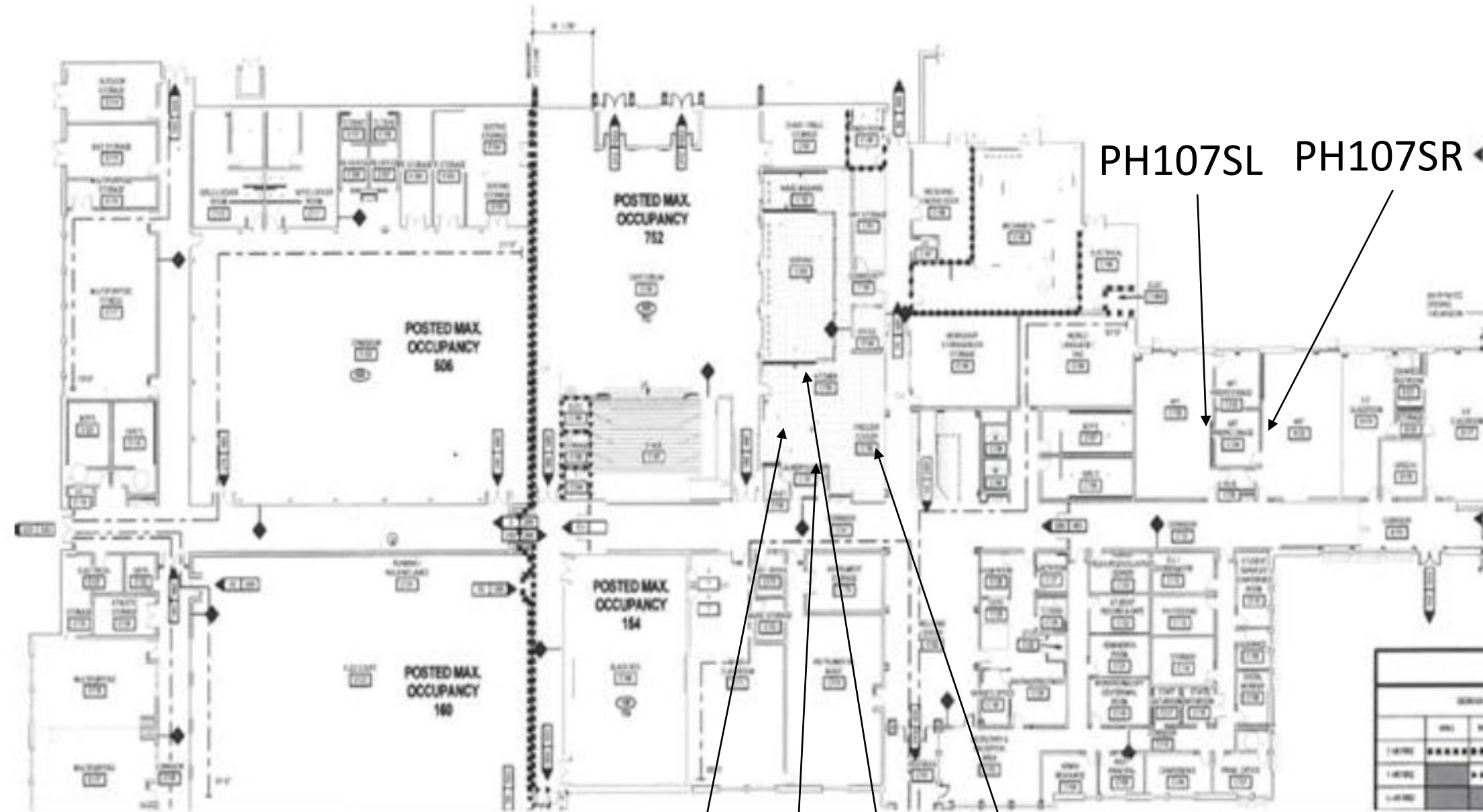
The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.



# **Appendix I: Drawings**

# First Floor Northwest Wing

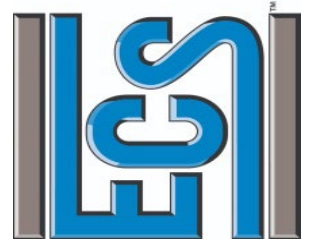


- Elevated Lead
- Elevated Copper
- Elevated Lead & Copper

PHK2 PHK1 PHK3 PHK4

PH107SL PH107SR

Patrick Henry K-8 School  
4643 Taney Avenue  
Alexandria, VA 22304



Sample Location  
Sketch

Scale: NTS

Project No.  
47:11652-E

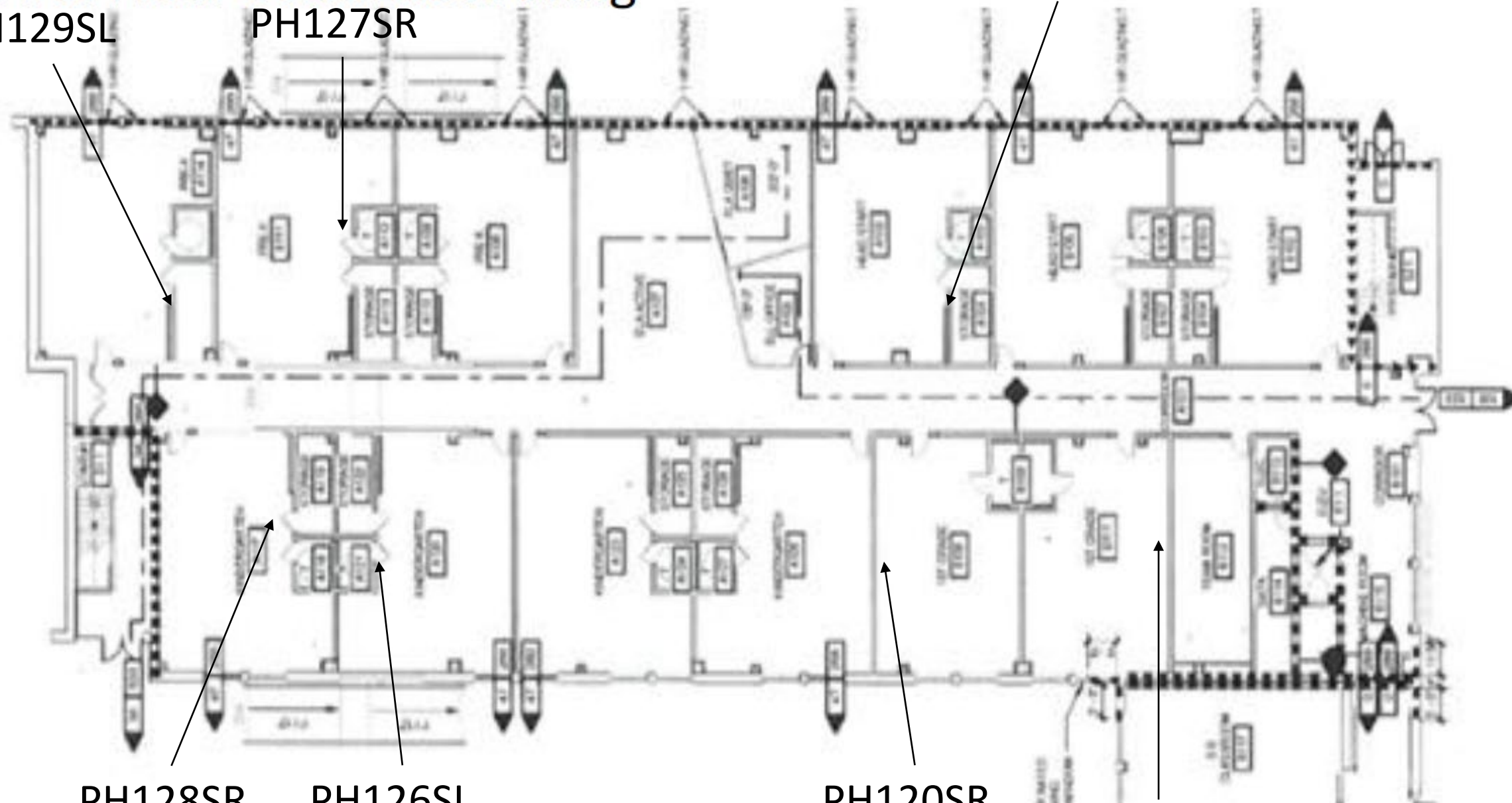
Site Visit:  
06/08/21

# First Floor Southwest Wing

PH129SL

PH127SR

PH121SL



PH128SR

PH126SL

PH120SR

PH117S

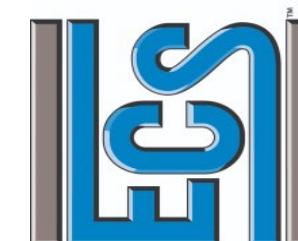
● Elevated Lead

● Elevated Copper

● Elevated Lead & Copper

1014

Patrick Henry K-8 School  
4643 Taney Avenue  
Alexandria, VA 22304



Sample Location  
Sketch

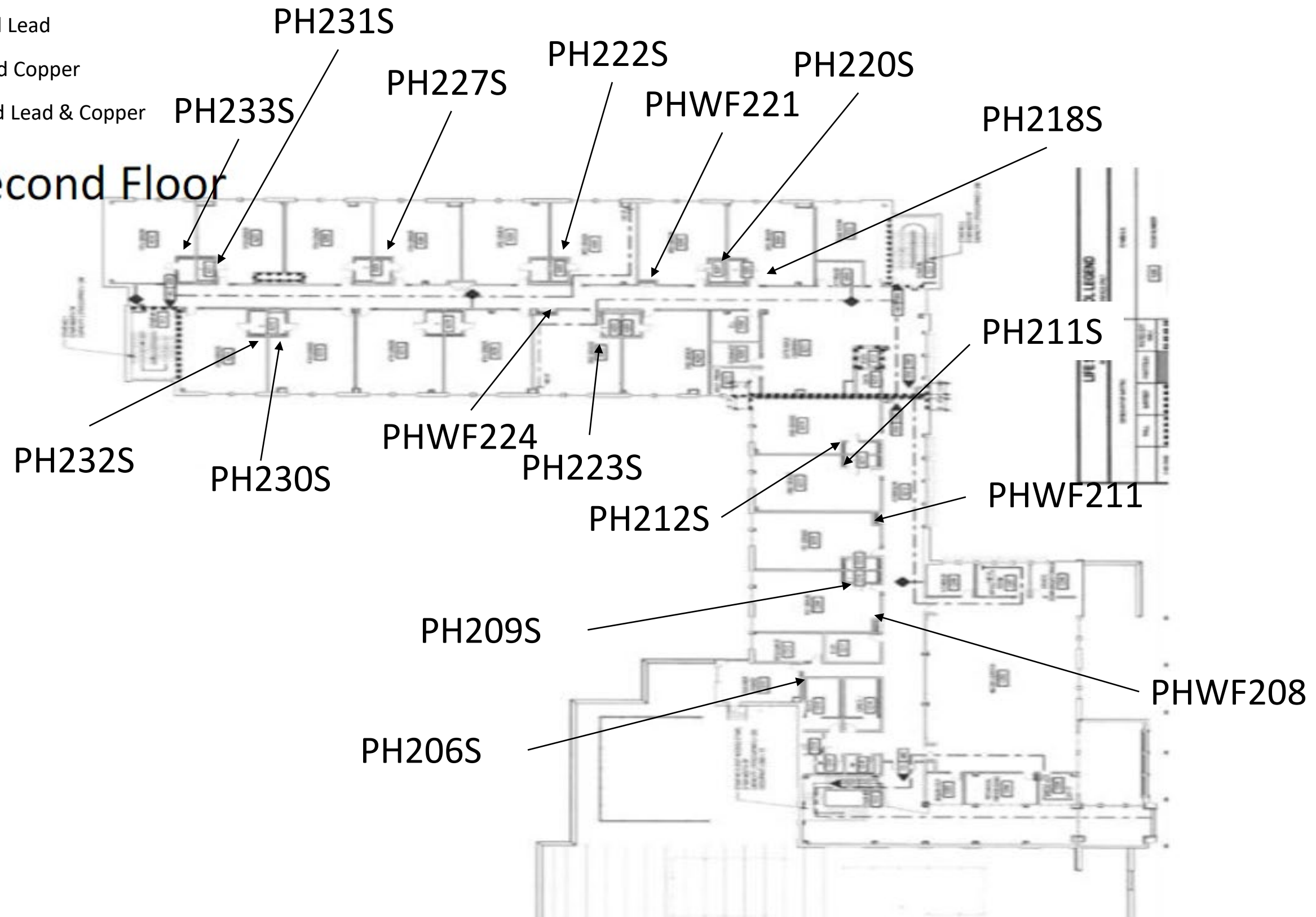
Scale: NTS

Project No.  
47:11652-E

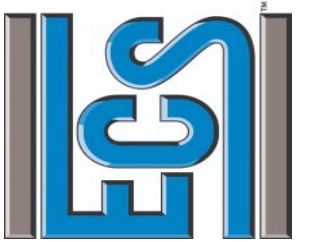
Site Visit:  
06/08/21

- Elevated Lead
- Elevated Copper
- Elevated Lead & Copper

## Second Floor



Patrick Henry K-8 School  
4643 Taney Avenue  
Alexandria, VA 22304



## Sample Location Sketch

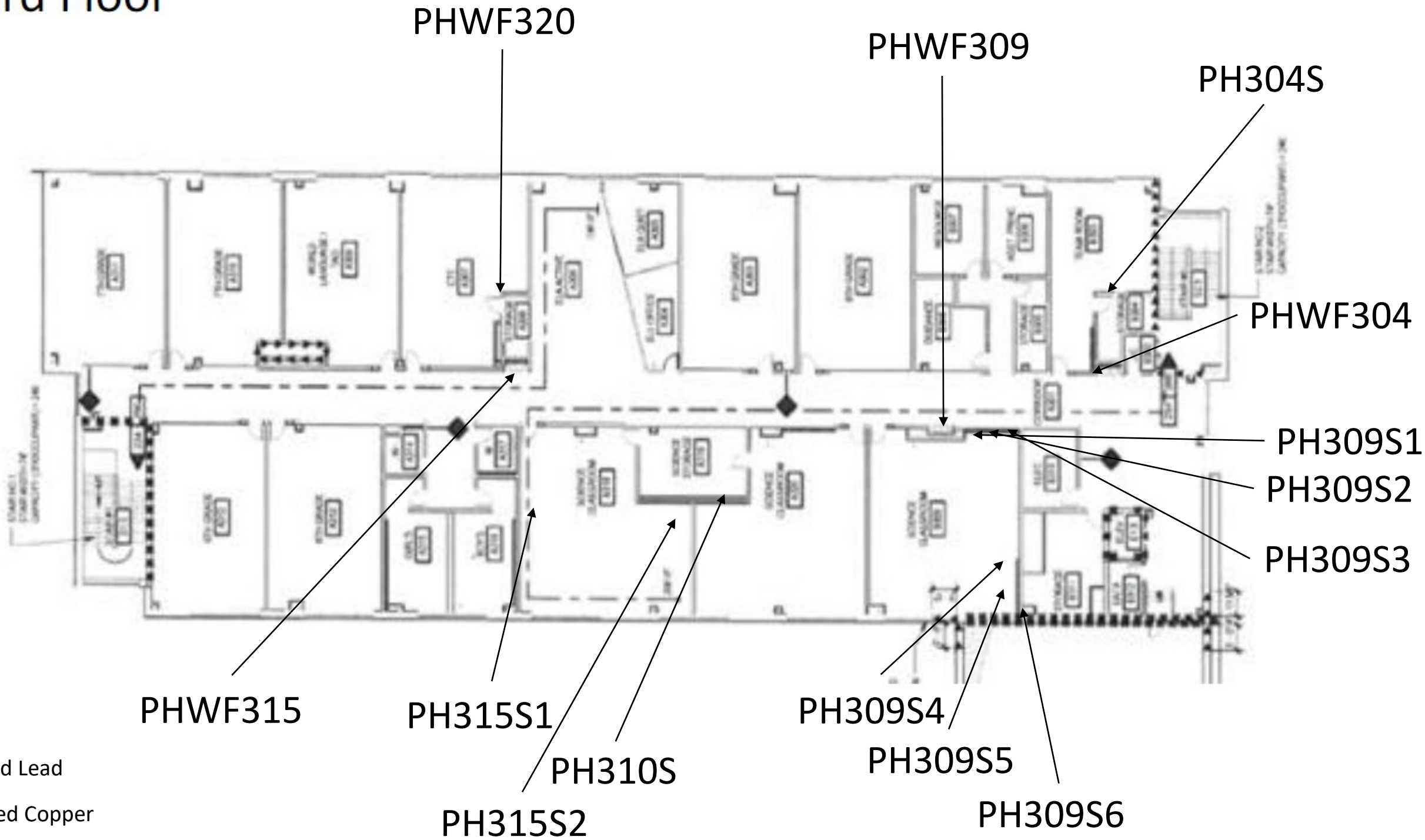
Scale: NTS

Project No.  
47:11652-E

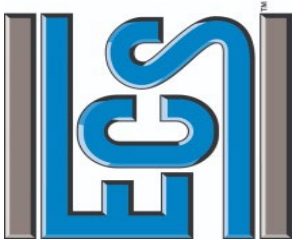
Site Visit:  
06/08/21



Third Floor



Patrick Henry K-8 School  
4643 Taney Avenue  
Alexandria, VA 22304



Sample Location  
Sketch

Scale: NTS

Project No.  
47:11652-E

Site Visit:  
06/08/21



PHK1

PHK2





## **Appendix II: Sample Table**





Charles Barrett Elementary School Copper and Lead Drinking Water Results Table		
Sample Number	Copper Result (mg/L)	Lead Result (mg/L)
PHK1	0.216	<0.001
PHK2	0.390	<0.001
PHK3	0.171	<0.001
PHK4	0.304	<0.001
PH107SL	0.422	<0.001
PH108SR	0.480	<0.001
PH128SR	0.484	<0.001
PH126SL	0.372	<0.001
PH120SR	0.293	<0.001
PH117S	0.259	<0.001
PH129SL	0.595	0.002
PH127SR	0.337	<0.001
PH121SL	0.423	<0.001
PH232S	0.419	<0.001
PH230S	0.379	<0.001
PH209S	0.294	<0.001
PHWF224	0.030	<0.001
PH223S	0.334	<0.001

Table Notes:

Red = Above the EPA Action Level

Orange = Above the VA Action Level



Sample Number	Copper Result (mg/L)	Lead Result (mg/L)
PH212S	0.406	<0.001
PH206S	0.482	<0.001
PHWF208	0.179	<0.001
PHWF211	0.185	<0.001
PH211S	0.335	<0.001
PH233S	0.380	<0.001
PH231S	0.542	<0.001
PH227S	0.487	<0.001
PH222S	0.389	<0.001
PHWF221	0.156	<0.001
PH220S	0.335	<0.001
PH218S	0.362	<0.001
PH320S	0.324	<0.001
PHWF309	0.165	<0.001
PH304S	0.482	<0.001
PHWF304	0.332	<0.001
PHWF315	0.034	<0.001
PH315S1	0.508	<0.001
PH315S2	0.675	0.001

Table Notes:

Red = Above the EPA Action Level

Orange = Above the VA Action Level



Sample Number	Copper Result (mg/L)	Lead Result (mg/L)
PH310S	0.386	<0.001
PH309S1	0.822	<0.001
PH309S2	0.605	<0.001
PH309S3	0.437	<0.001
PH309S4	0.722	0.002
PH309S5	0.671	<0.001
PH309S6	0.194	<0.001
The EPA's Lead and Copper Rule set an action level of 0.015 mg/L for lead and an action level of 1.3 mg/L for copper. Note these levels are related to public water systems (PWSs). The Code of Virginia requires school boards notify parents if testing results exceed 0.01 mg/L of Lead (Pb).		

Table Notes:

Red = Above the EPA Action Level

Orange = Above the VA Action Level

## **Appendix III: Laboratory Report(s)**

22 June 2022

Lauren Kesslak  
ECS-Chantilly  
14026 Thunderbolt Place, Suite 100  
Chantilly, VA 20151  
RE: ACPS PERIODIC WATER MONITORING-PATRICK HENRY

Enclosed are the results of analyses for samples received by the laboratory on 06/13/22 15:41.

Please visit our website at [www.mdspectral.com](http://www.mdspectral.com) for a complete listing of our accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Will Brewington  
President

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PHK1		2061309-01	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHK2		2061309-02	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHK3		2061309-03	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHK4		2061309-04	Drinking Water	06/08/22 00:00	06/13/22 15:41
107SL		2061309-05	Drinking Water	06/08/22 00:00	06/13/22 15:41
108SR		2061309-06	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH128SR		2061309-07	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH126SL		2061309-08	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH120SR		2061309-09	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH117S		2061309-10	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH129SL		2061309-11	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH127SR		2061309-12	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH121SL		2061309-13	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH232S		2061309-14	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH230S		2061309-15	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH209S		2061309-16	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHWF224		2061309-17	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH223S		2061309-18	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH212S		2061309-19	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH206S		2061309-20	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHWF208		2061309-21	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHWF211		2061309-22	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH211S		2061309-23	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH233S		2061309-24	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH231S		2061309-25	Drinking Water	06/08/22 00:00	06/13/22 15:41

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Will Brewington, President

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PH227S		2061309-26	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH222S		2061309-27	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHWF221		2061309-28	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH220S		2061309-29	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH218S		2061309-30	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH320S		2061309-31	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHWF309		2061309-32	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH304S		2061309-33	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHWF304		2061309-34	Drinking Water	06/08/22 00:00	06/13/22 15:41
PHWF315		2061309-35	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH315S1		2061309-36	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH315S2		2061309-37	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH310S		2061309-38	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH309S1		2061309-39	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH309S2		2061309-40	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH309S3		2061309-41	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH309S4		2061309-42	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH309S5		2061309-43	Drinking Water	06/08/22 00:00	06/13/22 15:41
PH309S6		2061309-44	Drinking Water	06/08/22 00:00	06/13/22 15:41

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Will Brewington, President

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHK1**

**2061309-01 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>216</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:45	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:45	VVD



Will Brewington, President

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1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHK2**

**2061309-02 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>390</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:47	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:47	VVD



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Will Brewington, President

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHK3**

**2061309-03 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>171</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:48	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:48	VVD



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Will Brewington, President

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
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www.mdspectral.com  
MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHK4**

**2061309-04 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>304</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:50	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:50	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**107SL**

**2061309-05 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>422</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:52	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:52	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**108SR**

**2061309-06 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>480</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:53	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:53	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH128SR**

**2061309-07 (Drinking Water)**

**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>484</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:58	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 19:58	VVD

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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH126SL**

**2061309-08 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>372</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:00	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:00	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH120SR**

**2061309-09 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>293</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:01	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:01	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH117S**

**2061309-10 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>259</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:03	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:03	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH129SL**

**2061309-11 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>595</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:11	VVD
<b>Lead</b>	<b>1.75</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:11	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH127SR**

**2061309-12 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>337</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:13	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:13	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH121SL**

**2061309-13 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>423</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:18	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:18	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH232S**

**2061309-14 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>419</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:19	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:19	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH230S**

**2061309-15 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>379</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:21	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:21	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH209S**

**2061309-16 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>294</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:22	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:22	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHWF224**

**2061309-17 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>29.7</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:24	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:24	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH223S**

**2061309-18 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>334</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:26	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:26	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH212S**

**2061309-19 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>406</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:27	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:27	VVD

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Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH206S**

**2061309-20 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>482</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:29	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 20:29	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHWF208**

**2061309-21 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>179</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:18	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:18	VVD



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MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHWF211**

**2061309-22 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>185</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:19	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:19	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH211S**

**2061309-23 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>335</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:21	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:21	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH233S**

**2061309-24 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>380</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:23	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:23	VVD

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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH231S**

**2061309-25 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>542</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:24	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:24	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH227S**

**2061309-26 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>487</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:26	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:26	VVD

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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH222S**

**2061309-27 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>389</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:28	VVD
<b>Lead</b>	<b>1.43</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:28	VVD



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MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHWF221**

**2061309-28 (Drinking Water)**

**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>156</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:29	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:29	VVD

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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH220S**

**2061309-29 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>335</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:35	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:35	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH218S**

**2061309-30 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>362</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:36	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:36	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH320S**

**2061309-31 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>324</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:44	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:44	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHWF309**

**2061309-32 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>165</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:46	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:46	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH304S**

**2061309-33 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>482</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:48	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:48	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHWF304**

**2061309-34 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>332</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:49	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:49	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PHWF315**

**2061309-35 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>33.6</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:54	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:54	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH315S1**

**2061309-36 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>508</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:56	VVD
<b>Lead</b>	<b>1.08</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:56	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH315S2**

**2061309-37 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>675</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:57	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:57	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH310S**

**2061309-38 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>386</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:59	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 21:59	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH309S1**

**2061309-39 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>822</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:01	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:01	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH309S2**

**2061309-40 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>605</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:02	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:02	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH309S3**

**2061309-41 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>437</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:14	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:14	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH309S4**

**2061309-42 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>722</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:15	VVD
<b>Lead</b>	<b>2.00</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:15	VVD



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MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH309S5**

**2061309-43 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>671</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:17	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:17	VVD



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MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**PH309S6**

**2061309-44 (Drinking Water)**  
**Sample Date: 06/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals</b>									
<b>Copper</b>	<b>194</b>		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:19	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:19	VVD



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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**Total Metals Analysis by EPA 200.8DW - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B206389 - 200.8-No Digestion Metals</b>										
<b>Blank (B206389-BLK1)</b>					Prepared & Analyzed: 06/21/22					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
<b>Blank (B206389-BLK2)</b>					Prepared & Analyzed: 06/21/22					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
<b>Blank (B206389-BLK3)</b>					Prepared & Analyzed: 06/21/22					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
<b>Blank (B206389-BLK4)</b>					Prepared & Analyzed: 06/21/22					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
<b>Blank (B206389-BLK5)</b>					Prepared & Analyzed: 06/21/22					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
<b>LCS (B206389-BS1)</b>					Prepared & Analyzed: 06/21/22					
Copper	10.2		1.00	ug/L	10.00		102	80-120		
Lead	9.70		1.00	ug/L	10.00		97	80-120		
<b>LCS (B206389-BS2)</b>					Prepared & Analyzed: 06/21/22					
Copper	10.1		1.00	ug/L	10.00		101	80-120		
Lead	9.75		1.00	ug/L	10.00		98	80-120		
<b>LCS (B206389-BS3)</b>					Prepared & Analyzed: 06/21/22					
Copper	10.1		1.00	ug/L	10.00		101	80-120		
Lead	9.73		1.00	ug/L	10.00		97	80-120		

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**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**Total Metals Analysis by EPA 200.8DW - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B206389 - 200.8-No Digestion Metals</b>										
<b>LCS (B206389-BS4)</b>					Prepared & Analyzed: 06/21/22					
Copper	9.80		1.00	ug/L	10.00		98	80-120		
Lead	9.90		1.00	ug/L	10.00		99	80-120		
<b>LCS (B206389-BS5)</b>					Prepared & Analyzed: 06/21/22					
Copper	9.76		1.00	ug/L	10.00		98	80-120		
Lead	9.81		1.00	ug/L	10.00		98	80-120		
<b>Duplicate (B206389-DUP1)</b>					<b>Source: 2061309-01</b>		Prepared & Analyzed: 06/21/22			
Copper	218		1.00	ug/L		216			1	20
Lead	ND		1.00	ug/L		ND				20
<b>Duplicate (B206389-DUP2)</b>					<b>Source: 2061309-11</b>		Prepared & Analyzed: 06/21/22			
Copper	595		1.00	ug/L		595			0.04	20
Lead	1.76		1.00	ug/L		1.75			0.5	20
<b>Duplicate (B206389-DUP3)</b>					<b>Source: 2061309-21</b>		Prepared & Analyzed: 06/21/22			
Copper	179		1.00	ug/L		179			0.06	20
Lead	ND		1.00	ug/L		ND				20
<b>Duplicate (B206389-DUP4)</b>					<b>Source: 2061309-31</b>		Prepared & Analyzed: 06/21/22			
Copper	329		1.00	ug/L		324			1	20
Lead	ND		1.00	ug/L		ND				20
<b>Duplicate (B206389-DUP5)</b>					<b>Source: 2061309-41</b>		Prepared & Analyzed: 06/21/22			
Copper	442		1.00	ug/L		437			1	20
Lead	ND		1.00	ug/L		ND				20
<b>Matrix Spike (B206389-MS1)</b>					<b>Source: 2061309-01</b>		Prepared & Analyzed: 06/21/22			
Copper	223	QM-4X	1.00	ug/L	10.00	216	69	80-120		
Lead	11.6		1.00	ug/L	10.00	ND	116	80-120		

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Will Brewington, President

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**Total Metals Analysis by EPA 200.8DW - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B206389 - 200.8-No Digestion Metals**

<b>Matrix Spike (B206389-MS2)</b>			<b>Source: 2061309-11</b>			Prepared & Analyzed: 06/21/22				
Copper	586	QM-4X	1.00	ug/L	10.00	595	NR	80-120		
Lead	11.9		1.00	ug/L	10.00	1.75	101	80-120		
<b>Matrix Spike (B206389-MS3)</b>			<b>Source: 2061309-21</b>			Prepared & Analyzed: 06/21/22				
Copper	184	QM-4X	1.00	ug/L	10.00	179	51	80-120		
Lead	9.86		1.00	ug/L	10.00	ND	99	80-120		
<b>Matrix Spike (B206389-MS4)</b>			<b>Source: 2061309-31</b>			Prepared & Analyzed: 06/21/22				
Copper	327	QM-4X	1.00	ug/L	10.00	324	31	80-120		
Lead	10.6		1.00	ug/L	10.00	ND	106	80-120		
<b>Matrix Spike (B206389-MS5)</b>			<b>Source: 2061309-41</b>			Prepared & Analyzed: 06/21/22				
Copper	437	QM-4X	1.00	ug/L	10.00	437	0.9	80-120		
Lead	10.4		1.00	ug/L	10.00	ND	104	80-120		



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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MD DW LabID 153

**Project: ACPS PERIODIC WATER MONITORING-PATRICK H**

Project Number: 47:11652-E  
Project Manager: Lauren Kesslak

Reported:  
06/22/22 15:09

**Notes and Definitions**

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
RE	Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%-Solids	Percent Solids is a supportive test and as such does not require accreditation



Will Brewington, President


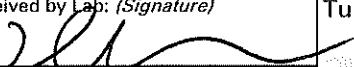
*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*





2061309-22 A

PHWF211			X					X	X											
PH211S			X					X	X											- 2 3
PH233S			X					X	X											- 2 4
PH231S			X					X	X											- 2 5
PH227S			X					X	X											- 2 6
PH222S			X					X	X											- 2 7
PHWF221			X					X	X											- 2 8
PH220S			X					X	X											- 2 9
PH218S			X					X	X											- 3 0
PH320S			X					X	X											- 3 1
PHWF309			X					X	X											- 3 2
PH304S			X					X	X											- 3 3
PHWF304			X					X	X											- 3 4
PHWF315			X					X	X											- 3 5
PH315S1			X					X	X											- 3 6
PH315S2			X					X	X											- 3 7
PH310S			X					X	X											- 3 8
PH309S1			X					X	X											- 3 9
PH309S2			X					X	X											- 4 0
PH309S3			X					X	X											- 4 1
PH309S4			X					X	X											- 4 2
PH309S5			X					X	X											- 4 3
PH309S6			X					X	X											- 4 4
Relinquished by: (Signature)	Date/Time 6/9/2022	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)															

(Printed) Maria Reynozo		(Printed)	(Printed)	(Printed)
Relinquished by: (Signature) 	Date/Time 6/13/22	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:
(Printed)	15:41	(Printed) Lori Foster	<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: ____°C 24.0 <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day
Delivery Method: <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____	Special Instructions/QC Requirements & Comments:  Lead in Drinking Water Analysis for each sample on attached pages		Sample Disposal:  <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ____ days	

## **Appendix IV: Logo Graphics**



1 - ECS Logo Flat color 300dpi