

GEORGE WASHINGTON WATER SAMPLING JUNE 2022



GEORGE WASHINGTON MIDDLE SCHOOL

1005 MR. VERNON AVE.
ALEXANDRIA, VIRGINIA 22301

ECS PROJECT NO. 47:11652-E

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

JULY 25, 2022





"Setting the Standard for Service"

Geotechnical • Construction Materials • Environmental • Facilities

July 25, 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: George Washington Water Sampling June 2022, George Washington Middle School, 1005 Mr. Vernon Ave., 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 George Washington Middle School located at 1005 Mr. Vernon Ave. 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
703-471-8400

TABLE OF CONTENTS	PAGE
1.0 PROJECT DESCRIPTION	1
2.0 PURPOSE	1
3.0 METHODOLOGY	1
3.1 Lead and Copper in Drinking Water	1
4.0 RESULTS	2
4.1 Lead in Drinking Water	2
4.2 Copper in Drinking Water	2
5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS	2
5.1 Lead in Drinking Water	3
5.2 Copper in Drinking Water	4
6.0 LIMITATIONS	5

TABLE OF APPENDICES

Appendix I: Drawings

Appendix II: Sample Table

Appendix III: Laboratory Report(s)

Appendix IV: Logo Graphics

1.0 PROJECT DESCRIPTION

The George Washington Middle School is a three-story school building located at 1005 Mr. Vernon Ave. in Alexandria, Virginia. The building is currently occupied, and is used by the Alexandria City Public Schools (ACPS) as a school and office facility. The site is located within 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 in schools.

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 proactive - periodic re-testing of select drinking water sources within the school. This was not a comprehensive retesting of all drinking water sources in the school.

The EPA created the Lead and Copper Rule under the 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

All of the samples collected were below both the US EPA and Commonwealth of Virginia action levels with the exception of one sample. The sample collected from the right faucet of the middle sink in classroom 203 exceeded the Virginia action level of 0.01 mg/L. In total, twenty seven (27) 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 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 and VA action level of 1.3 mg/L. In total, twenty seven (27) 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 George Washington 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 water sample collected from the right faucet of the middle sink in Classroom 203 was reported to be above the lead action level. The other water samples collected were reported below the action level and Virginia's notifiable level. The EPA's 3Ts document recommends choosing one of several short-term or permanent control measures. The following are the recommended short-term and permanent control measure options:

Short-Term Control Options:

- Mark the sink as hand wash only
- Provide Filters at Problem Taps - Point-of-use (POU) units are commercial available, can be relatively inexpensive, and quickly installed. The effectiveness of POU's can vary. POU's should be tested and certified against the NSF/ANSI Standard 53 (for lead removal) prior to installation. If POU's are installed, they should be incorporated into a routine maintenance plan;
- Flush Taps Prior to Use - Flushing individual outlets or all outlets may be used as a short term option; and,
- Provide Bottled Water - This control option is expensive and ECS does not recommend its use because of the relatively small number of elevated outlets.

Permanent Control Measures:

- Replacement of Problem Outlets - This option is recommended as a cost effective permanent control measure if there are only a few elevated outlets;
- Pipe Replacement;
- Provide Filters at Problem Taps: and,
- Reconfigure Plumbing.

After the implementation of a control option, ECS recommends follow-up sampling of the elevated outlets to evaluate effectiveness of the control option.

In addition to the remediation efforts for the elevated outlets, ECS recommends period follow-up screening be performed for the building. The EPA does not specify a specific time frame for which follow-up testing for schools needs to be performed. The EPA suggest that schools and child care facilities make testing a part of their routine building operations and states that annual monitoring provides information on changing concentrations and the effectiveness of remediation or treatment options.

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.

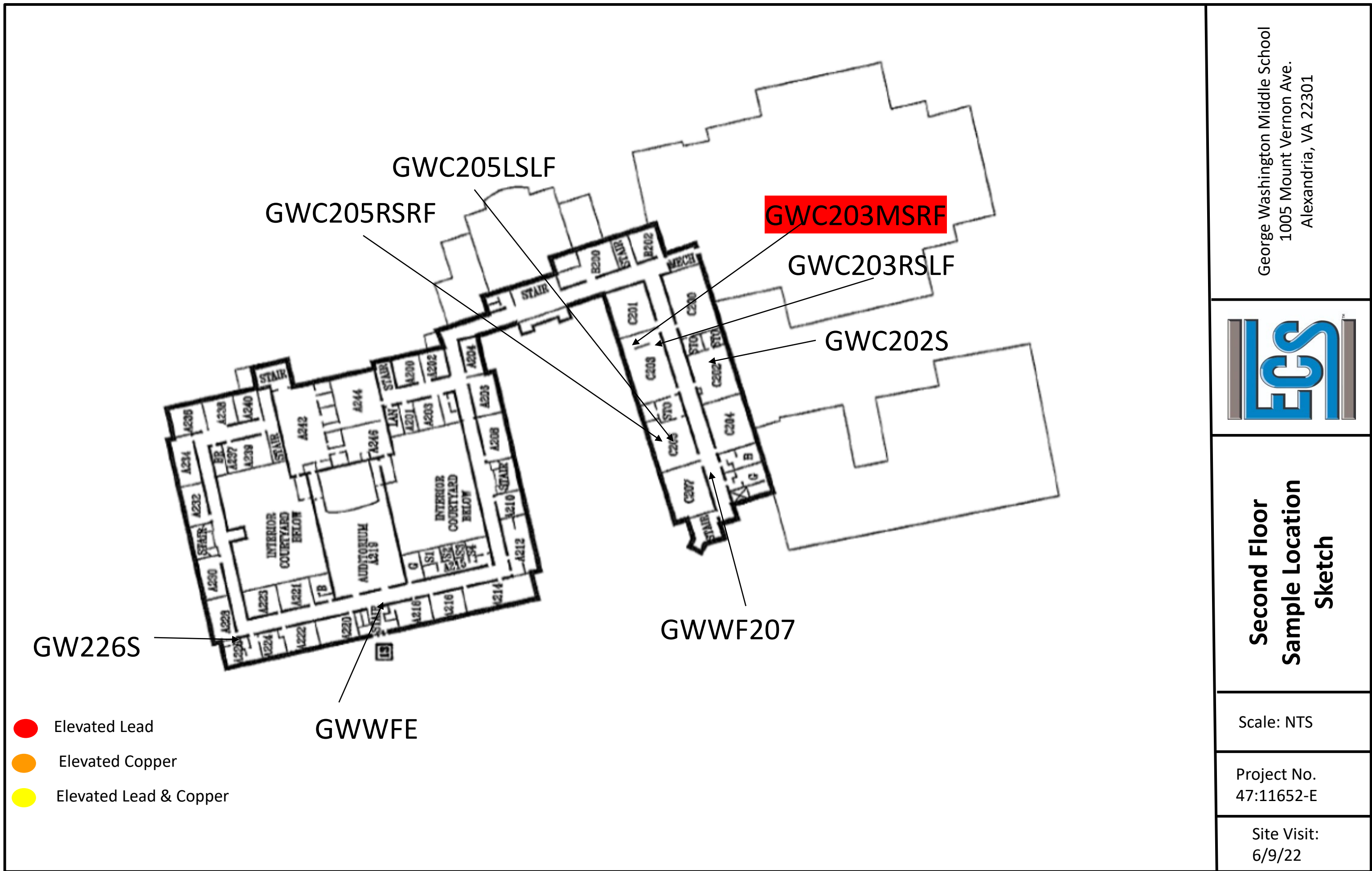
6.0 LIMITATIONS

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



GWCS1

GWCS2

GWCS3





GWCS4

GWCS5

Appendix II: Sample Table



Copper and Lead Drinking Water Results Table		
Sample Number	Copper Result (mg/L)	Lead Result (mg/L)
GWCS1	0.133	<0.001
GWCS2	0.071	<0.001
GWCS3	0.111	<0.001
GWCS4	0.607	0.002
GWCS5	0.144	<0.001
GWC101TSR	0.073	<0.001
GWC101SSL	0.082	<0.001
GWWF122	0.163	<0.001
GW124TS	0.809	0.007
GW124SSR	0.275	0.002
GW116SSL	0.321	0.005
GW116TS	0.296	0.009
GWWF112	0.147	<0.001
GWWFL	0.167	<0.001
GWC113S	0.252	<0.001
GWC111TS	0.646	0.002
GWC111SSL	0.180	0.006
GW226S	0.355	<0.001

Table Notes:

Red = Above the EPA Action Level

Orange = Exceeds VA Action Level for Lead



Sample Number	Copper Result (mg/L)	Lead Result (mg/L)
GWWE	0.268	<0.001
GWC205LSLF	0.290	0.006
GWC205RSRF	0.133	0.002
GWWF207	0.196	<0.001
GWC203MSRF	0.323	0.011
GWC203RSLF	0.379	0.004
GWC202S	0.294	<0.001
GWWF60	0.187	<0.001
GWWF308	0.210	<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 = Exceeds VA Action Level for Lead

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-GEORGE WASHINGTON M

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 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-GEORGE W.

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

Reported:
06/22/22 15:26

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GWCS1		2061310-01	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWCS2		2061310-02	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWCS3		2061310-03	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWCS4		2061310-04	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWCS5		2061310-05	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC101TSR		2061310-06	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC101SSL		2061310-07	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWWF122		2061310-08	Drinking Water	06/09/22 00:00	06/13/22 15:41
GW124TS		2061310-09	Drinking Water	06/09/22 00:00	06/13/22 15:41
GW124SSR		2061310-10	Drinking Water	06/09/22 00:00	06/13/22 15:41
GW116SSL		2061310-11	Drinking Water	06/09/22 00:00	06/13/22 15:41
GW116TS		2061310-12	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWWF112		2061310-13	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWWFL		2061310-14	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC113S		2061310-15	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC111TS		2061310-16	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC111SSL		2061310-17	Drinking Water	06/09/22 00:00	06/13/22 15:41
GW226S		2061310-18	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWWFE		2061310-19	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC205LSLF		2061310-21	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC205RSRF		2061310-22	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWWF207		2061310-23	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC203MSRF		2061310-24	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC203RSLF		2061310-25	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWC202S		2061310-26	Drinking Water	06/09/22 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-GEORGE W.

Project Number: 47:11652-E

Project Manager: Lauren Kesslak

Reported:

06/22/22 15:26

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GWWF60		2061310-27	Drinking Water	06/09/22 00:00	06/13/22 15:41
GWWF308		2061310-28	Drinking Water	06/09/22 00:00	06/13/22 15:41



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.

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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

GWCS1

2061310-01 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	133		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:27	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:27	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWCS2

2061310-02 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	71.3		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:28	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:28	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWCS3

2061310-03 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	111		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:33	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:33	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWCS4

2061310-04 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	607		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:35	VVD
Lead	2.21		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:35	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWCS5

2061310-05 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	144		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:37	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:37	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC101TSR

2061310-06 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	73.0		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:38	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:38	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC101SSL

2061310-07 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	81.8		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:40	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:40	VVD



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.

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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

GWWF122

2061310-08 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	163		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:42	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:42	VVD



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.

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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

GW124TS

2061310-09 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.2-Digested Metals									
Copper	809		ug/L	1.00	1.00	1	06/14/22	06/18/22 00:24	VVD
Lead	6.65		ug/L	1.00	1.00	1	06/14/22	06/18/22 00:24	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-GEORGE W.

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

Reported:
06/22/22 15:26

GW124SSR

2061310-10 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	275		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:43	VVD
Lead	1.58		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:43	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-GEORGE W.

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

Reported:
06/22/22 15:26

GW116SSL

2061310-11 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	321		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:45	VVD
Lead	5.13		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:45	VVD



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.

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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

GW116TS

2061310-12 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	296		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:56	VVD
Lead	9.07		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:56	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWWF112

2061310-13 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	147		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:58	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:58	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWFL

2061310-14 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	167		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:59	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 22:59	VVD



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.

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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

GWC113S

2061310-15 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	252		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:01	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:01	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC111TS

2061310-16 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	646		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:03	VVD
Lead	1.97		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:03	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC111SSL

2061310-17 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	180		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:04	VVD
Lead	6.38		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:04	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-GEORGE W.

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

Reported:
06/22/22 15:26

GW226S

2061310-18 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	355		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:06	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:06	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWWE

2061310-19 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	268		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:08	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:08	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC205LSLF

2061310-21 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	290		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:13	VVD
Lead	5.91		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:13	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC205RSRF

2061310-22 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	133		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:14	VVD
Lead	1.95		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:14	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWWF207

2061310-23 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	196		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:22	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:22	VVD



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.

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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

GWC203MSRF

2061310-24 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	323		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:24	VVD
Lead	10.6		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:24	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC203RSLF

2061310-25 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.2-Digested Metals									
Copper	379		ug/L	1.00	1.00	1	06/14/22	06/18/22 00:25	VVD
Lead	3.88		ug/L	1.00	1.00	1	06/14/22	06/18/22 00:25	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWC202S

2061310-26 (Drinking Water)
Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	294		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:26	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:26	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWWF60

2061310-27 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	187		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:27	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:27	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-GEORGE W.

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

Reported:
06/22/22 15:26

GWWF308

2061310-28 (Drinking Water)

Sample Date: 06/09/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.8-No Digestion Metals									
Copper	210		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:32	VVD
Lead	ND		ug/L	1.00	1.00	1	06/21/22	06/21/22 23:32	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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

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
---------	--------	-------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------

Batch B206261 - 200.2-Digested Metals

Blank (B206261-BLK1)

Prepared: 06/14/22 Analyzed: 06/16/22

Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						

LCS (B206261-BS1)

Prepared: 06/14/22 Analyzed: 06/16/22

Copper	10.1		1.00	ug/L	10.00		101	80-120		
Lead	9.65		1.00	ug/L	10.00		97	80-120		

Duplicate (B206261-DUP1)

Source: 2060927-01

Prepared: 06/14/22 Analyzed: 06/16/22

Copper	139	E	1.00	ug/L		131			6	20
Lead	5.66		1.00	ug/L		5.30			6	20

Matrix Spike (B206261-MS1)

Source: 2060927-01

Prepared: 06/14/22 Analyzed: 06/16/22

Copper	138	QM-4X, E	1.00	ug/L	10.00	131	76	80-120		
Lead	15.3		1.00	ug/L	10.00	5.30	100	80-120		

Batch B206390 - 200.8-No Digestion Metals

Blank (B206390-BLK1)

Prepared & Analyzed: 06/21/22

Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						

Blank (B206390-BLK2)

Prepared & Analyzed: 06/21/22

Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						

Blank (B206390-BLK3)

Prepared & Analyzed: 06/21/22

Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						

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

Project: ACPS PERIODIC WATER MONITORING-GEORGE W.

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

Reported:
06/22/22 15:26

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
Batch B206390 - 200.8-No Digestion Metals										
LCS (B206390-BS1)					Prepared & Analyzed: 06/21/22					
Copper	9.79		1.00	ug/L	10.00		98	80-120		
Lead	9.82		1.00	ug/L	10.00		98	80-120		
LCS (B206390-BS2)					Prepared & Analyzed: 06/21/22					
Copper	10.0		1.00	ug/L	10.00		100	80-120		
Lead	9.94		1.00	ug/L	10.00		99	80-120		
LCS (B206390-BS3)					Prepared & Analyzed: 06/21/22					
Copper	9.88		1.00	ug/L	10.00		99	80-120		
Lead	9.85		1.00	ug/L	10.00		98	80-120		
Duplicate (B206390-DUP1)					Source: 2061310-01		Prepared & Analyzed: 06/21/22			
Copper	132		1.00	ug/L		133			0.3	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B206390-DUP2)					Source: 2061310-11		Prepared & Analyzed: 06/21/22			
Copper	319		1.00	ug/L		321			0.6	20
Lead	5.14		1.00	ug/L		5.13			0.2	20
Duplicate (B206390-DUP3)					Source: 2061310-21		Prepared & Analyzed: 06/21/22			
Copper	290		1.00	ug/L		290			0.02	20
Lead	5.92		1.00	ug/L		5.91			0.1	20
Matrix Spike (B206390-MS1)					Source: 2061310-01		Prepared & Analyzed: 06/21/22			
Copper	139	QM-4X	1.00	ug/L	10.00	133	68	80-120		
Lead	10.2		1.00	ug/L	10.00	ND	102	80-120		
Matrix Spike (B206390-MS2)					Source: 2061310-11		Prepared & Analyzed: 06/21/22			
Copper	323	QM-4X	1.00	ug/L	10.00	321	26	80-120		
Lead	14.9		1.00	ug/L	10.00	5.13	98	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.



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-GEORGE W.

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

Reported:
06/22/22 15:26

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
---------	--------	-------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------

Batch B206390 - 200.8-No Digestion Metals

Matrix Spike (B206390-MS3)		Source: 2061310-21			Prepared & Analyzed: 06/21/22					
Copper	290	QM-4X	1.00	ug/L	10.00	290	NR	80-120		
Lead	15.8		1.00	ug/L	10.00	5.91	99	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.



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-GEORGE W.

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

Reported:
06/22/22 15:26

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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
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




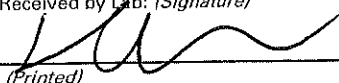
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Brewington, President

2061310-22 A

GWC205RSRF			X					X	X										
GWWF207			X					X	X										
GWC203MSRF			X					X	X										
GWC203RSLF			X					X	X										
GWC202S			X					X	X										
GWWF60			X					X	X										
GWWF308			X					X	X										

Relinquished by: (Signature) 	Date/Time 6/13/2022 13	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Maria Reynozo		(Printed)	(Printed)		(Printed)

Relinquished by: (Signature)	Date/Time 15:41 6-13-22	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:
(Printed)		(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 <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day 24.0

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