

SAMUEL W TUCKER ELEMENTARY SCHOOL



SAMUEL TUCKER ELEMENTARY

435 FERDINAND DAY DRIVE
ALEXANDRIA, VIRGINIA 22304

ECS PROJECT NO. 47:11652-E

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

OCTOBER 2, 2023





October 2, 2023

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: Samuel W Tucker Elementary School, Samuel Tucker Elementary, 435 Ferdinand Day Drive, 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 Samuel Tucker Elementary located at 435 Ferdinand Day Drive 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

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

Christopher J. Chapman, CIH
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1.0 PROJECT DESCRIPTION

The Samuel Tucker Elementary is a two-story school building located at 435 Ferdinand Day Drive 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 the City of Alexandria and is under the jurisdiction of the 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 15 micrograms per liter (ug/L), and a copper action level of 1300 parts per billion (1300 ug/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 (10 ug/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

The samples collected did not exceed the Commonwealth of Virginia action level of 10 ug/L. In total, twenty four (24) water samples were collected from the building. A table of the collected samples and the associated analytical results can be found in the appendices. 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

The samples collected did not contain concentrations above the EPA action level of 1300 ug/L. In total, twenty (20) water samples were collected from the building. A table of the collected samples and the associated analytical results can be found in the appendices. 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 Samuel W Tucker Elementary School, 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

ACPS Samuel W. Tucker ES
435 Ferdinand Day Drive
Alexandria, VA 22304

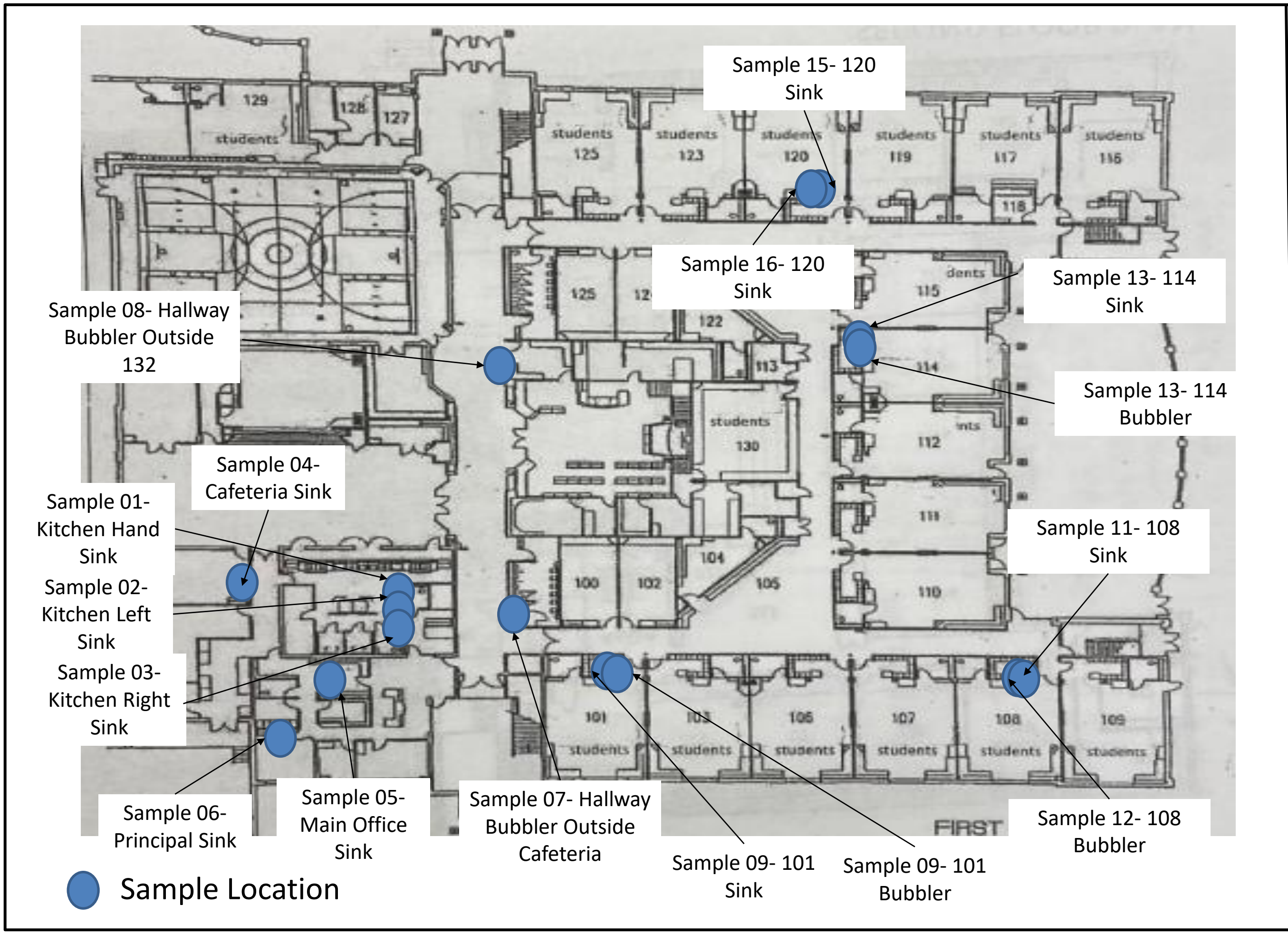


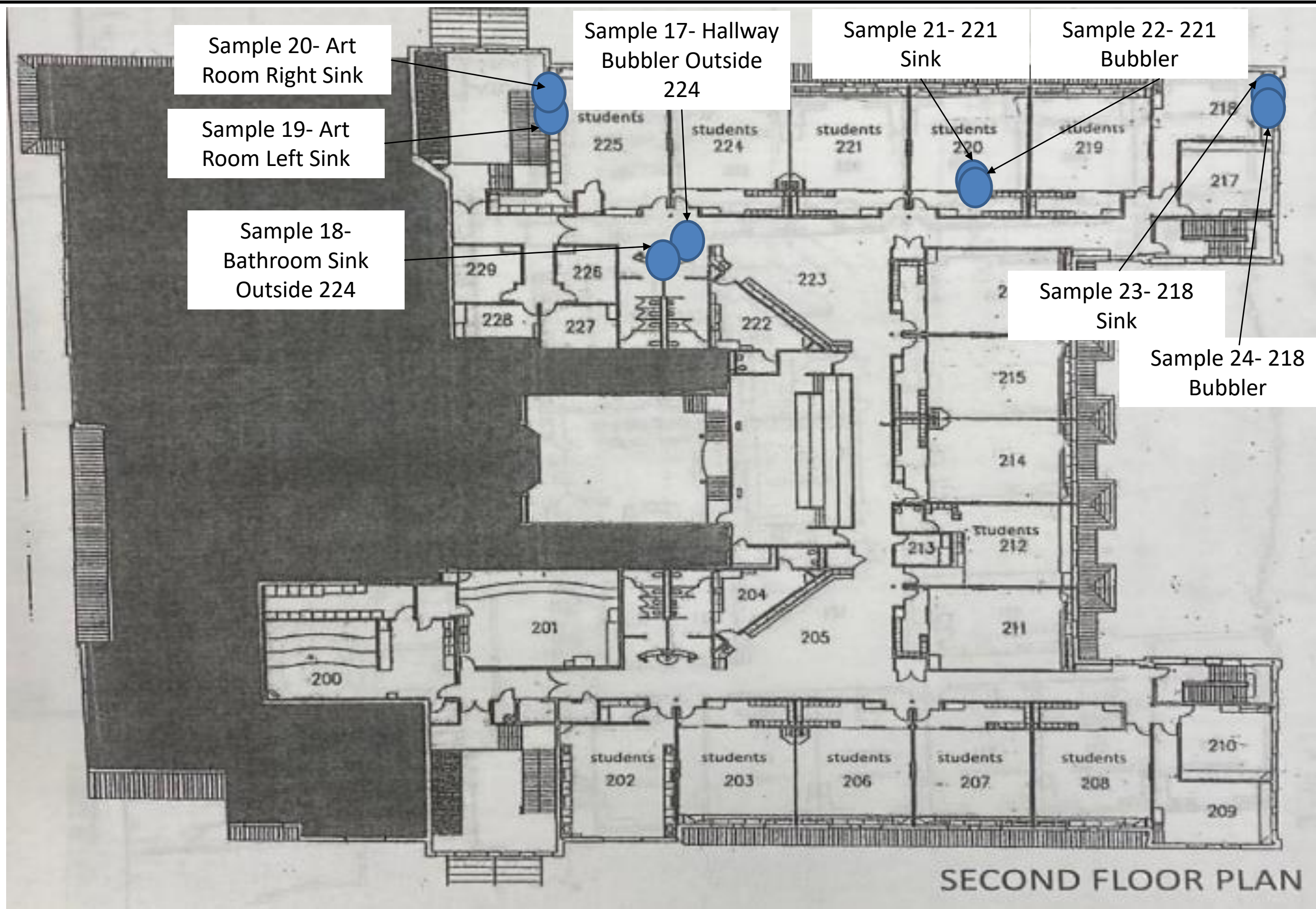
Water Sampling Map- Level 1

Scale: NTS

Project No.
47:11652-E

Site Visit:
6/5/23





● Sample Location

ACPS Samuel W. Tucker ES
 435 Ferdinand Day Drive
 Alexandria, VA 22304



**Water Sampling
 Map- Level 1**

Scale: NTS

Project No.
 47:11652-E

Site Visit:
 6/5/23

Appendix II: Sample Table



Copper and Lead Drinking Water Results Table		
Sample Number	Copper Result (ug/L)	Lead Result (ug/L)
1	181.000	ND
2	128.000	ND
3	155.000	ND
4	205.000	ND
5	155.000	ND
6	225.000	1.530
7	417.000	ND
8	567.000	ND
9	301.000	1.880
10	156.000	ND
11	265.000	ND
12	251.000	ND
13	255.000	ND
14	188.000	ND
15	434.000	ND
16	209.000	ND
17	339.000	ND
18	224.000	ND
19	445.000	3.550

Table Notes:

Red = Above the EPA Action Level

Orange = Exceeds VA Action Level for Lead

ND = Not Detected



Sample Number	Copper Result (ug/L)	Lead Result (ug/L)
20	370.000	ND
21	730.000	3.100
22	439.000	ND
23	244.000	1.130
24	184.000	ND

The EPA's Lead and Copper Rule set an action level of 15 ug/L for lead and an action level of 1300 ug/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 10 ug/L of Lead (Pb).

Table Notes:

Red = Above the EPA Action Level

Orange = Exceeds VA Action Level for Lead

ND = Not Detected

Appendix III: Laboratory Report(s)

04 August 2023

Lauren Kesslak
ECS-Chantilly
14026 Thunderbolt Place, Suite 100
Chantilly, VA 20151
RE: ACPS-ST

Enclosed are the results of analyses for samples received by the laboratory on 07/28/23 15:50.

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-ST

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

Reported:
 08/04/23 17:24

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01		3072835-01	Drinking Water	06/05/23 17:01	07/28/23 15:50
02		3072835-02	Drinking Water	06/05/23 17:02	07/28/23 15:50
03		3072835-03	Drinking Water	06/05/23 17:03	07/28/23 15:50
04		3072835-04	Drinking Water	06/05/23 17:04	07/28/23 15:50
05		3072835-05	Drinking Water	06/05/23 17:12	07/28/23 15:50
06		3072835-06	Drinking Water	06/05/23 17:13	07/28/23 15:50
07		3072835-07	Drinking Water	06/05/23 17:15	07/28/23 15:50
08		3072835-08	Drinking Water	06/05/23 17:17	07/28/23 15:50
09		3072835-09	Drinking Water	06/05/23 17:23	07/28/23 15:50
10		3072835-10	Drinking Water	06/05/23 17:24	07/28/23 15:50
11		3072835-11	Drinking Water	06/05/23 17:25	07/28/23 15:50
12		3072835-12	Drinking Water	06/05/23 17:26	07/28/23 15:50
13		3072835-13	Drinking Water	06/05/23 17:30	07/28/23 15:50
14		3072835-14	Drinking Water	06/05/23 17:31	07/28/23 15:50
15		3072835-15	Drinking Water	06/05/23 17:33	07/28/23 15:50
16		3072835-16	Drinking Water	06/05/23 17:34	07/28/23 15:50
17		3072835-17	Drinking Water	06/05/23 17:38	07/28/23 15:50
18		3072835-18	Drinking Water	06/05/23 17:40	07/28/23 15:50
19		3072835-19	Drinking Water	06/05/23 17:42	07/28/23 15:50
20		3072835-20	Drinking Water	06/05/23 17:43	07/28/23 15:50
21		3072835-21	Drinking Water	06/05/23 17:48	07/28/23 15:50
22		3072835-22	Drinking Water	06/05/23 17:49	07/28/23 15:50
23		3072835-23	Drinking Water	06/05/23 17:55	07/28/23 15:50
24		3072835-24	Drinking Water	06/05/23 17:56	07/28/23 15:50

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-ST

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

Reported:
08/04/23 17:24



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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-ST

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

Reported:
 08/04/23 17:24

01

3072835-01 (Drinking Water)
Sampled on: 06/05/23 17:01

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	181		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:34	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:34	VVD



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Will Brewington, President

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 MD DW LabID 153

Project: ACPS-ST

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

Reported:
 08/04/23 17:24

02

3072835-02 (Drinking Water)
Sampled on: 06/05/23 17:02

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	128		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:36	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:36	VVD

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Project: ACPS-ST

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

Reported:
 08/04/23 17:24

03

3072835-03 (Drinking Water)
Sampled on: 06/05/23 17:03

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	155		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:38	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:38	VVD

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 MD DW LabID 153

Project: ACPS-ST

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

Reported:
 08/04/23 17:24

04

3072835-04 (Drinking Water)
Sampled on: 06/05/23 17:04

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	205		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:39	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:39	VVD



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MD DW LabID 153

Project: ACPS-ST

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

Reported:
08/04/23 17:24

05

3072835-05 (Drinking Water)
Sampled on: 06/05/23 17:12

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	155		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:51	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:51	VVD



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MD DW LabID 153

Project: ACPS-ST

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

Reported:
08/04/23 17:24

06

3072835-06 (Drinking Water)
Sampled on: 06/05/23 17:13

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	225		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:52	VVD
Lead	1.53		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:52	VVD



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Project: ACPS-ST

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

Reported:
 08/04/23 17:24

07

3072835-07 (Drinking Water)
Sampled on: 06/05/23 17:15

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	417		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:54	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:54	VVD



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MD DW LabID 153

Project: ACPS-ST

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

Reported:
08/04/23 17:24

08

3072835-08 (Drinking Water)
Sampled on: 06/05/23 17:17

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	567		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:56	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:56	VVD



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 MD DW LabID 153

Project: ACPS-ST

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 Project Manager: Lauren Kesslak

Reported:
 08/04/23 17:24

09

3072835-09 (Drinking Water)
Sampled on: 06/05/23 17:23

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	301		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:57	VVD
Lead	1.88		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:57	VVD



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Project: ACPS-ST

Project Number: 47:11652-E
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Reported:
 08/04/23 17:24

10

3072835-10 (Drinking Water)
Sampled on: 06/05/23 17:24

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	156		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:59	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 00:59	VVD



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Project: ACPS-ST

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

Reported:
 08/04/23 17:24

11

3072835-11 (Drinking Water)
Sampled on: 06/05/23 17:25

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	265		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:01	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:01	VVD



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 410-247-7600
 www.mdspectral.com
 MD DW LabID 153

Project: ACPS-ST

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

Reported:
 08/04/23 17:24

12

3072835-12 (Drinking Water)
Sampled on: 06/05/23 17:26

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	251		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:02	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:02	VVD

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Will Brewington, President

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

Project: ACPS-ST

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

Reported:
 08/04/23 17:24

13

3072835-13 (Drinking Water)
Sampled on: 06/05/23 17:30

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	255		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:07	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:07	VVD



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MD DW LabID 153

Project: ACPS-ST

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

Reported:
08/04/23 17:24

14

3072835-14 (Drinking Water)
Sampled on: 06/05/23 17:31

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	188		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:09	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:09	VVD



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Project: ACPS-ST

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

Reported:
 08/04/23 17:24

15

3072835-15 (Drinking Water)
Sampled on: 06/05/23 17:33

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	434		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:17	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:17	VVD



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MD DW LabID 153

Project: ACPS-ST

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

Reported:
08/04/23 17:24

16

3072835-16 (Drinking Water)
Sampled on: 06/05/23 17:34

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	209		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:19	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:19	VVD



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MD DW LabID 153

Project: ACPS-ST

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

Reported:
08/04/23 17:24

17

3072835-17 (Drinking Water)
Sampled on: 06/05/23 17:38

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	339		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:20	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:20	VVD



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Project: ACPS-ST

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

Reported:
08/04/23 17:24

18

3072835-18 (Drinking Water)
Sampled on: 06/05/23 17:40

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	224		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:22	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:22	VVD



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Project: ACPS-ST

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

Reported:
08/04/23 17:24

19

3072835-19 (Drinking Water)
Sampled on: 06/05/23 17:42

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	445		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:27	VVD
Lead	3.55		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:27	VVD



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Project: ACPS-ST

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

Reported:
 08/04/23 17:24

20

3072835-20 (Drinking Water)
Sampled on: 06/05/23 17:43

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	370		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:28	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:28	VVD



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Project: ACPS-ST

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

Reported:
08/04/23 17:24

21

3072835-21 (Drinking Water)
Sampled on: 06/05/23 17:48

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	730		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:30	VVD
Lead	3.10		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:30	VVD



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Project: ACPS-ST

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

Reported:
 08/04/23 17:24

22

3072835-22 (Drinking Water)
Sampled on: 06/05/23 17:49

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	439		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:32	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:32	VVD

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Project: ACPS-ST

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

Reported:
 08/04/23 17:24

23

3072835-23 (Drinking Water)
Sampled on: 06/05/23 17:55

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	244		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:33	VVD
Lead	1.13		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:33	VVD



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MD DW LabID 153

Project: ACPS-ST

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

Reported:
08/04/23 17:24

24

3072835-24 (Drinking Water)
Sampled on: 06/05/23 17:56

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	184		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:35	VVD
Lead	ND		ug/L	1.00	1.00	1	08/03/23	08/04/23 01:35	VVD

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Will Brewington, President

Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals										
Blank (B308091-BLK1)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLK2)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLK3)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLK4)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLK5)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLK6)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLK7)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLK8)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						

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Will Brewington, President

Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals										
Blank (B308091-BLK9)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLKA)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLKB)					Prepared & Analyzed: 08/03/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLKC)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLKD)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLKE)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B308091-BLKF)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
LCS (B308091-BS1)					Prepared & Analyzed: 08/03/23					
Copper	10.4		1.00	ug/L	10.00		104	85-115		
Lead	9.73		1.00	ug/L	10.00		97	85-115		



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Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals										
LCS (B308091-BS2)					Prepared & Analyzed: 08/03/23					
Copper	10.5		1.00	ug/L	10.00		105	85-115		
Lead	10.1		1.00	ug/L	10.00		101	85-115		
LCS (B308091-BS3)					Prepared & Analyzed: 08/03/23					
Copper	11.2		1.00	ug/L	10.00		112	85-115		
Lead	10.6		1.00	ug/L	10.00		106	85-115		
LCS (B308091-BS4)					Prepared & Analyzed: 08/03/23					
Copper	10.5		1.00	ug/L	10.00		105	85-115		
Lead	9.93		1.00	ug/L	10.00		99	85-115		
LCS (B308091-BS5)					Prepared & Analyzed: 08/03/23					
Copper	10.6		1.00	ug/L	10.00		106	85-115		
Lead	10.8		1.00	ug/L	10.00		108	85-115		
LCS (B308091-BS6)					Prepared & Analyzed: 08/03/23					
Copper	10.5		1.00	ug/L	10.00		105	85-115		
Lead	9.90		1.00	ug/L	10.00		99	85-115		
LCS (B308091-BS7)					Prepared & Analyzed: 08/03/23					
Copper	10.7		1.00	ug/L	10.00		107	85-115		
Lead	10.0		1.00	ug/L	10.00		100	85-115		
LCS (B308091-BS8)					Prepared & Analyzed: 08/03/23					
Copper	10.4		1.00	ug/L	10.00		104	85-115		
Lead	9.76		1.00	ug/L	10.00		98	85-115		
LCS (B308091-BS9)					Prepared & Analyzed: 08/03/23					
Copper	10.7		1.00	ug/L	10.00		107	85-115		
Lead	10.1		1.00	ug/L	10.00		101	85-115		

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Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals										
LCS (B308091-BSA)					Prepared & Analyzed: 08/03/23					
Copper	10.7		1.00	ug/L	10.00		107	85-115		
Lead	9.90		1.00	ug/L	10.00		99	85-115		
LCS (B308091-BSB)					Prepared & Analyzed: 08/03/23					
Copper	11.0		1.00	ug/L	10.00		110	85-115		
Lead	10.2		1.00	ug/L	10.00		102	85-115		
LCS (B308091-BSC)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	10.5		1.00	ug/L	10.00		105	85-115		
Lead	9.85		1.00	ug/L	10.00		98	85-115		
LCS (B308091-BSD)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	10.6		1.00	ug/L	10.00		106	85-115		
Lead	9.95		1.00	ug/L	10.00		100	85-115		
LCS (B308091-BSE)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	10.6		1.00	ug/L	10.00		106	85-115		
Lead	9.93		1.00	ug/L	10.00		99	85-115		
LCS (B308091-BSF)					Prepared: 08/03/23 Analyzed: 08/04/23					
Copper	10.9		1.00	ug/L	10.00		109	85-115		
Lead	10.1		1.00	ug/L	10.00		101	85-115		
Duplicate (B308091-DUP1)			Source: 3072617-01			Prepared & Analyzed: 08/03/23				
Copper	35.5		1.00	ug/L		35.7			0.4	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUP2)			Source: 3072831-11			Prepared & Analyzed: 08/03/23				
Copper	104		1.00	ug/L		104			0.2	20
Lead	ND		1.00	ug/L		ND				20

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Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals										
Duplicate (B308091-DUP3)			Source: 3072831-20			Prepared & Analyzed: 08/03/23				
Copper	179		1.00	ug/L		181			0.9	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUP4)			Source: 3072832-10			Prepared & Analyzed: 08/03/23				
Copper	554		1.00	ug/L		554			0.0001	20
Lead	2.23		1.00	ug/L		2.01			10	20
Duplicate (B308091-DUP5)			Source: 3072832-20			Prepared & Analyzed: 08/03/23				
Copper	379		1.00	ug/L		383			0.9	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUP6)			Source: 3072833-10			Prepared & Analyzed: 08/03/23				
Copper	190		1.00	ug/L		193			2	20
Lead	19.8		1.00	ug/L		19.8			0.4	20
Duplicate (B308091-DUP7)			Source: 3072833-20			Prepared & Analyzed: 08/03/23				
Copper	214		1.00	ug/L		212			1	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUP8)			Source: 3072834-10			Prepared & Analyzed: 08/03/23				
Copper	235		1.00	ug/L		233			1	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUP9)			Source: 3072834-20			Prepared & Analyzed: 08/03/23				
Copper	242		1.00	ug/L		240			0.9	20
Lead	3.04		1.00	ug/L		3.01			1	20
Duplicate (B308091-DUPA)			Source: 3072835-10			Prepared & Analyzed: 08/03/23				
Copper	157		1.00	ug/L		156			0.4	20
Lead	ND		1.00	ug/L		ND				20

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Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals										
Duplicate (B308091-DUPB)			Source: 3072835-20			Prepared & Analyzed: 08/03/23				
Copper	366		1.00	ug/L		370			0.9	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUPC)			Source: 3072836-10			Prepared: 08/03/23 Analyzed: 08/04/23				
Copper	323		1.00	ug/L		319			1	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUPD)			Source: 3072836-20			Prepared: 08/03/23 Analyzed: 08/04/23				
Copper	247		1.00	ug/L		246			0.6	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUPE)			Source: 3080108-01			Prepared: 08/03/23 Analyzed: 08/04/23				
Copper	451		1.00	ug/L		451			0.05	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B308091-DUPF)			Source: 3080108-05			Prepared: 08/03/23 Analyzed: 08/04/23				
Copper	5.50		1.00	ug/L		5.52			0.4	20
Lead	ND		1.00	ug/L		ND				20
Matrix Spike (B308091-MS1)			Source: 3072617-01			Prepared & Analyzed: 08/03/23				
Copper	44.7		1.00	ug/L	10.00	35.7	90	70-130		
Lead	11.3		1.00	ug/L	10.00	ND	113	70-130		
Matrix Spike (B308091-MS2)			Source: 3072831-11			Prepared & Analyzed: 08/03/23				
Copper	113		1.00	ug/L	10.00	104	87	70-130		
Lead	10.4		1.00	ug/L	10.00	ND	104	70-130		
Matrix Spike (B308091-MS3)			Source: 3072831-20			Prepared & Analyzed: 08/03/23				
Copper	200	QM-4X	1.00	ug/L	10.00	181	189	70-130		
Lead	10.4		1.00	ug/L	10.00	ND	104	70-130		

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Will Brewington, President

Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals

Matrix Spike (B308091-MS4)		Source: 3072832-10			Prepared & Analyzed: 08/03/23					
Copper	545	QM-4X	1.00	ug/L	10.00	554	NR	70-130		
Lead	12.1		1.00	ug/L	10.00	2.01	101	70-130		
Matrix Spike (B308091-MS5)		Source: 3072832-20			Prepared & Analyzed: 08/03/23					
Copper	382	QM-4X	1.00	ug/L	10.00	383	NR	70-130		
Lead	10.3		1.00	ug/L	10.00	ND	103	70-130		
Matrix Spike (B308091-MS6)		Source: 3072833-10			Prepared & Analyzed: 08/03/23					
Copper	195	QM-4X	1.00	ug/L	10.00	193	23	70-130		
Lead	29.9		1.00	ug/L	10.00	19.8	101	70-130		
Matrix Spike (B308091-MS7)		Source: 3072833-20			Prepared & Analyzed: 08/03/23					
Copper	219	QM-4X	1.00	ug/L	10.00	212	67	70-130		
Lead	10.5		1.00	ug/L	10.00	ND	105	70-130		
Matrix Spike (B308091-MS8)		Source: 3072834-10			Prepared & Analyzed: 08/03/23					
Copper	240		1.00	ug/L	10.00	233	74	70-130		
Lead	10.1		1.00	ug/L	10.00	ND	101	70-130		
Matrix Spike (B308091-MS9)		Source: 3072834-20			Prepared & Analyzed: 08/03/23					
Copper	247		1.00	ug/L	10.00	240	78	70-130		
Lead	13.9		1.00	ug/L	10.00	3.01	109	70-130		
Matrix Spike (B308091-MSA)		Source: 3072835-10			Prepared & Analyzed: 08/03/23					
Copper	164		1.00	ug/L	10.00	156	74	70-130		
Lead	11.2		1.00	ug/L	10.00	ND	112	70-130		
Matrix Spike (B308091-MSB)		Source: 3072835-20			Prepared & Analyzed: 08/03/23					
Copper	370	QM-4X	1.00	ug/L	10.00	370	5	70-130		
Lead	10.9		1.00	ug/L	10.00	ND	109	70-130		

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Will Brewington, President

Project: ACPS-ST

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

Reported:
08/04/23 17:24

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 B308091 - 200.8-No Digestion Metals

Matrix Spike (B308091-MSC)		Source: 3072836-10		Prepared: 08/03/23		Analyzed: 08/04/23		
Copper	324	QM-4X	1.00	ug/L	10.00	319	51	70-130
Lead	11.0		1.00	ug/L	10.00	ND	110	70-130
Matrix Spike (B308091-MSD)		Source: 3072836-20		Prepared: 08/03/23		Analyzed: 08/04/23		
Copper	252	QM-4X	1.00	ug/L	10.00	246	64	70-130
Lead	10.7		1.00	ug/L	10.00	ND	107	70-130
Matrix Spike (B308091-MSE)		Source: 3080108-01		Prepared: 08/03/23		Analyzed: 08/04/23		
Copper	453	QM-4X	1.00	ug/L	10.00	451	25	70-130
Lead	12.2		1.00	ug/L	10.00	ND	122	70-130
Matrix Spike (B308091-MSF)		Source: 3080108-05		Prepared: 08/03/23		Analyzed: 08/04/23		
Copper	15.6		1.00	ug/L	10.00	5.52	101	70-130
Lead	10.5		1.00	ug/L	10.00	ND	105	70-130



Will Brewington, President

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Project: ACPS-ST

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

Reported:
08/04/23 17:24

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

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

Company Name:		Project Manager:		Analysis Requested		CHAIN-OF-CUSTODY RECORD	
ECS Mid-Atlantic LLC		Project ID: 47:11652-C/Sealed/Tucker				Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 * Fax 410-247-7602 reporting@mdspectral.com	
Project Name: ACS Drinking Water Residual Monitoring		P.O. Number:				Matrix Codes: NPW - non-potable water DW - drinking water	
Sampler(s): Zach Harrell		State of Origin: VA				Preservative: MSS Lab ID	
Field Sample ID:		Date		Time		MSS Lab ID	
01	6/5/23	5:01					3072835-01 A
02		1:02					-02
03		1:03					-03
04		1:04					-04
05		1:12					-05
06		1:13					-06
07		1:15					-07
08		1:17					-08
09		1:23					-09
10		1:27					-10
Relinquished by: (Signature) Zach Harrell		Date / Time		Relinquished by: (Signature)		Please indicate if any of the following certifications are required:	
(Printed) Zach Harrell				(Printed)		<input type="checkbox"/> Virginia VELAP <input type="checkbox"/> Pennsylvania NELAP <input type="checkbox"/> West Virginia DEP <input type="checkbox"/> MD Drinking Water <input type="checkbox"/> VA Drinking Water <input type="checkbox"/> Other	
Relinquished by: (Signature)		Date / Time		Received by lab: (Signature)		Lab Use:	
(Printed)		7-28-23		Keri Foster		Temp: 23.6°C <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received Same Day	
Special Instructions / QC Requirements & Comments:				Turn Around Time:		Sample Disposal:	
				<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: _____		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ___ days	

Company Name: <u>ECS Mid Atlantic LLC</u>		Project Manager:		Analysis Requested		CHAIN-OF-CUSTODY RECORD					
Project Name: <u>LEAP BRIDGES Water Purification Plant</u>		Project ID: <u>47-11652E/Sewer Treatment</u>				Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 * Fax 410-247-7602 reporting@mdspectral.com					
Sampler(s): <u>Zach Herrell</u>		P.O. Number:				Matrix Codes: NPW - non-potable water DW - drinking water					
State of Origin: <u>VA</u>						Preservative					
Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers	Field Notes	MSS Lab ID
11	6-5-13	5:25								108 SINK	3072835-11
12		:26								108 BUCKET	-12
13		:30								114 SINK	-13
14		:31								114 BUCKET	-14
15		:33								120 SINK	-15
16		:34								120 BUCKET	-16
17		:38								120 SINK	-17
18		:40								120 SINK	-18
19		:42								120 SINK	-19
20		:43								120 SINK	-20

Relinquished by: (Signature) <u>Zach Herrell</u>	Date / Time	Relinquished by: (Signature)	Turn Around Time:	Delivery Method:	Lab Use:
(Printed)		(Printed)	<input type="checkbox"/> Normal (7 day)	<input type="checkbox"/> Courier	Temp: _____ °C
Relinquished by: (Signature) <u>Zach Herrell</u>	Date / Time	Received by lab: (Signature)	<input type="checkbox"/> 5 day	<input type="checkbox"/> Client	<input type="checkbox"/> Received on Ice
(Printed)		(Printed)	<input type="checkbox"/> 4 day	<input type="checkbox"/> UPS	<input type="checkbox"/> Received Same Day
Special Instructions / QC Requirements & Comments:			<input type="checkbox"/> 3 day	<input type="checkbox"/> Fed Ex	Sample Disposal:
			<input type="checkbox"/> Rush (2 day)	<input type="checkbox"/> USPS	<input type="checkbox"/> Return to Client
			<input type="checkbox"/> Next Day	<input type="checkbox"/> Other _____	<input type="checkbox"/> Disposal by lab
			<input type="checkbox"/> Other: _____	<input type="checkbox"/> Specific Due Date: _____	<input type="checkbox"/> Archive for _____ days

