Maryland spectral Services

Analytical Chemistry Services

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

20 November 2024

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

Enclosed are the results of analyses for samples received by the laboratory on 11/07/24 08:01.

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,



Rabecka Koons
Quality Assurance Officer

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

Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01		4110704-01	Drinking Water	10/02/24 05:12	11/07/24 08:01
02		4110704-02	Drinking Water	10/02/24 05:16	11/07/24 08:01
03		4110704-03	Drinking Water	10/02/24 05:19	11/07/24 08:01
04		4110704-04	Drinking Water	10/02/24 05:20	11/07/24 08:01
05		4110704-05	Drinking Water	10/02/24 05:21	11/07/24 08:01

Rabecka Koons, Quality Assurance Officer

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MD DW LabID 153

Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

01

4110704-01 (Drinking Water)
Sampled on: 10/02/24 05:12

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Total Metals Analysis by EPA 200.8DW Prepared by 200.2-Digested Metals									
Copper	**303**		ug/L	1.00	1.00	1	11/18/24	11/19/24 17:06	AWH
Lead	**1.43**		ug/L	1.00	1.00	1	11/18/24	11/19/24 17:06	AWH

Rabecka Koons

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Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

02

4110704-02 (Drinking Water)
Sampled on: 10/02/24 05:16

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	**14.1**		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:01	AWH
Lead	ND		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:01	AWH

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Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

03

4110704-03 (Drinking Water)
Sampled on: 10/02/24 05:19

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	**410**		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:03	AWH
Lead	**1.73**		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:03	AWH

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Reported:
11/20/24 11:07

04

4110704-04 (Drinking Water)
Sampled on: 10/02/24 05:20

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	**329**		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:04	AWH
Lead	**1.12**		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:04	AWH

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Project: ACPS ACHS

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Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

05

4110704-05 (Drinking Water)
Sampled on: 10/02/24 05:21

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	**449**		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:06	AWH
Lead	**1.62**		ug/L	1.00	1.00	1	11/16/24	11/16/24 22:06	AWH

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Project: ACPS ACHS

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Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

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 B411415 - 200.8-No Digestion Metals										
Blank (B411415-BLK1)					Prepared & Analyzed: 11/16/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLK2)					Prepared & Analyzed: 11/16/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLK3)					Prepared & Analyzed: 11/16/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLK4)					Prepared & Analyzed: 11/16/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLK5)					Prepared & Analyzed: 11/16/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLK6)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLK7)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLK8)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						

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Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

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 B411415 - 200.8-No Digestion Metals										
Blank (B411415-BLK9)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
Blank (B411415-BLKA)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
LCS (B411415-BS1)					Prepared & Analyzed: 11/16/24					
Copper	10.2		1.00	ug/L	10.00		102	85-115		
Lead	10.4		1.00	ug/L	10.00		104	85-115		
LCS (B411415-BS2)					Prepared & Analyzed: 11/16/24					
Copper	10.5		1.00	ug/L	10.00		105	85-115		
Lead	10.7		1.00	ug/L	10.00		107	85-115		
LCS (B411415-BS3)					Prepared & Analyzed: 11/16/24					
Copper	10.0		1.00	ug/L	10.00		100	85-115		
Lead	10.5		1.00	ug/L	10.00		105	85-115		
LCS (B411415-BS4)					Prepared & Analyzed: 11/16/24					
Copper	9.82		1.00	ug/L	10.00		98	85-115		
Lead	10.2		1.00	ug/L	10.00		102	85-115		
LCS (B411415-BS5)					Prepared & Analyzed: 11/16/24					
Copper	10.3		1.00	ug/L	10.00		103	85-115		
Lead	10.8		1.00	ug/L	10.00		108	85-115		
LCS (B411415-BS6)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	10.7		1.00	ug/L	10.00		107	85-115		
Lead	11.2		1.00	ug/L	10.00		112	85-115		

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Reported:
11/20/24 11:07

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 B411415 - 200.8-No Digestion Metals										
LCS (B411415-BS7)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	9.30		1.00	ug/L	10.00		93	85-115		
Lead	9.92		1.00	ug/L	10.00		99	85-115		
LCS (B411415-BS8)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	9.74		1.00	ug/L	10.00		97	85-115		
Lead	10.4		1.00	ug/L	10.00		104	85-115		
LCS (B411415-BS9)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	10.3		1.00	ug/L	10.00		103	85-115		
Lead	11.0		1.00	ug/L	10.00		110	85-115		
LCS (B411415-BSA)					Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	10.7		1.00	ug/L	10.00		107	85-115		
Lead	11.5		1.00	ug/L	10.00		115	85-115		
Duplicate (B411415-DUP1)		**Source: 4110605-01**			Prepared & Analyzed: 11/16/24					
Copper	207		1.00	ug/L		205			1	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B411415-DUP2)		**Source: 4110605-11**			Prepared & Analyzed: 11/16/24					
Copper	774		1.00	ug/L		774			0.05	20
Lead	4.29		1.00	ug/L		4.37			2	20
Duplicate (B411415-DUP3)		**Source: 4110605-21**			Prepared & Analyzed: 11/16/24					
Copper	359		1.00	ug/L		356			0.8	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B411415-DUP4)		**Source: 4110605-31**			Prepared & Analyzed: 11/16/24					
Copper	426		1.00	ug/L		437			3	20
Lead	ND		1.00	ug/L		ND				20

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MD DW LabID 153

Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

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 B411415 - 200.8-No Digestion Metals										
Duplicate (B411415-DUP5)		**Source: 4110605-41**			Prepared & Analyzed: 11/16/24					
Copper	213		1.00	ug/L		212			0.6	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B411415-DUP6)		**Source: 4110605-51**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	319		1.00	ug/L		323			1	20
Lead	ND		1.00	ug/L		ND				20
Duplicate (B411415-DUP7)		**Source: 4110606-01**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	216		1.00	ug/L		215			0.4	20
Lead	5.33		1.00	ug/L		5.30			0.5	20
Duplicate (B411415-DUP8)		**Source: 4110606-11**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	344		1.00	ug/L		341			0.8	20
Lead	1.45		1.00	ug/L		1.46			1	20
Duplicate (B411415-DUP9)		**Source: 4110606-21**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	644		1.00	ug/L		646			0.2	20
Lead	11.2		1.00	ug/L		11.2			0.2	20
Duplicate (B411415-DUPA)		**Source: 4110606-31**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	284		1.00	ug/L		279			2	20
Lead	ND		1.00	ug/L		ND				20
Matrix Spike (B411415-MS1)		**Source: 4110605-01**			Prepared & Analyzed: 11/16/24					
Copper	213		1.00	ug/L	10.00	205	74	70-130		
Lead	10.1		1.00	ug/L	10.00	ND	101	70-130		
Matrix Spike (B411415-MS2)		**Source: 4110605-11**			Prepared & Analyzed: 11/16/24					
Copper	761	QM-4X	1.00	ug/L	10.00	774	NR	70-130		
Lead	14.0		1.00	ug/L	10.00	4.37	96	70-130		

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MD DW LabID 153

Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

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 B411415 - 200.8-No Digestion Metals										
Matrix Spike (B411415-MS3)		**Source: 4110605-21**			Prepared & Analyzed: 11/16/24					
Copper	354	QM-4X	1.00	ug/L	10.00	356	NR	70-130		
Lead	9.72		1.00	ug/L	10.00	ND	97	70-130		
Matrix Spike (B411415-MS4)		**Source: 4110605-31**			Prepared & Analyzed: 11/16/24					
Copper	426	QM-4X	1.00	ug/L	10.00	437	NR	70-130		
Lead	10.2		1.00	ug/L	10.00	ND	102	70-130		
Matrix Spike (B411415-MS5)		**Source: 4110605-41**			Prepared & Analyzed: 11/16/24					
Copper	217	QM-4X	1.00	ug/L	10.00	212	51	70-130		
Lead	9.51		1.00	ug/L	10.00	ND	95	70-130		
Matrix Spike (B411415-MS6)		**Source: 4110605-51**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	324	QM-4X	1.00	ug/L	10.00	323	8	70-130		
Lead	9.82		1.00	ug/L	10.00	ND	98	70-130		
Matrix Spike (B411415-MS7)		**Source: 4110606-01**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	219	QM-4X	1.00	ug/L	10.00	215	41	70-130		
Lead	15.2		1.00	ug/L	10.00	5.30	99	70-130		
Matrix Spike (B411415-MS8)		**Source: 4110606-11**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	345	QM-4X	1.00	ug/L	10.00	341	33	70-130		
Lead	11.6		1.00	ug/L	10.00	1.46	102	70-130		
Matrix Spike (B411415-MS9)		**Source: 4110606-21**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	641	QM-4X	1.00	ug/L	10.00	646	NR	70-130		
Lead	21.9		1.00	ug/L	10.00	11.2	108	70-130		
Matrix Spike (B411415-MSA)		**Source: 4110606-31**			Prepared: 11/16/24 Analyzed: 11/17/24					
Copper	285	QM-4X	1.00	ug/L	10.00	279	59	70-130		
Lead	10.3		1.00	ug/L	10.00	ND	103	70-130		

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Project: ACPS ACHS

Project Number: 47:11652-84
Project Manager: Lauren Kesslak

Reported:
11/20/24 11:07

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 B411423 - 200.2-Digested Metals										
Blank (B411423-BLK1)					Prepared: 11/18/24 Analyzed: 11/19/24					
Copper	ND		1.00	ug/L						
Lead	ND		1.00	ug/L						
LCS (B411423-BS1)					Prepared: 11/18/24 Analyzed: 11/19/24					
Copper	10.2		1.00	ug/L	10.00		102	85-115		
Lead	10.5		1.00	ug/L	10.00		105	85-115		
Duplicate (B411423-DUP1)		**Source: 4110704-01**			Prepared: 11/18/24 Analyzed: 11/19/24					
Copper	303		1.00	ug/L		303			0.1	20
Lead	1.36		1.00	ug/L		1.43			5	20
Matrix Spike (B411423-MS1)		**Source: 4110704-01**			Prepared: 11/18/24 Analyzed: 11/19/24					
Copper	311		1.00	ug/L	10.00	303	72	70-130		
Lead	11.5		1.00	ug/L	10.00	1.43	101	70-130		

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Project: ACPS ACHS

Project Number: 47:11652-84
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Reported:
11/20/24 11:07

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 accredidation

Rabecka Koons

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Company Name: ECS Mid-Atlantic, LLC	Project Manager: Lauren Kessiak
Project Name: AGPS Drinking Water Periodic Monitoring	Project ID: 47:11652 / AGMS
Sampler(s): Nicholas Sapio	P.O. Number: 47:11652:84
State of Origin: VA	

Analysis Requested

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 * Fax 410-247-7602
reporting@mdspectral.com

Matrix Codes: NPW - non-potable water
DW - drinking water

Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers	Lead	Copper	Preservative	Field Notes	MSS Lab ID
01	10.2.24	5:12	✓						1				CZ01 Bathroom Sink	4110704-01 A
02	↓	5:16	↓						1	↓	↓		CZ11 Left Sink	- 02
03		5:19							1				B218 Sink 2	- 03
04		5:20							1				B218 Sink 3	- 04
05		5:21							1				B218 Sink 4	- 05

Relinquished by: (Signature)	Date /Time	Relinquished by: (Signature)
(Printed)	Nov. 7, 24 8:00	(Printed)
Relinquished by: (Signature)	Date /Time 11/7/24 8:01	Received by lab: (Signature)
(Printed)		(Printed) Rachel Horner

Special Instructions / QC Requirements & Comments:
Report to: LKessiak@ecslimited.com
Contact Phone: 202.494.7649

Please indicate if any of the following certifications are required:
- ☐ Virginia VELAP
- ☐ Pennsylvania NELAP
- ☐ West Virginia DEP
- ☐ MD Drinking Water
- ☑ VA Drinking Water
- ☐ Other _____

Turn Around Time:
- ☑ Normal (7 day)
- ☐ 5 day
- ☐ 4 day
- ☐ 3 day
- ☐ Rush (2 day)
- ☐ Next Day
- ☐ Other: _____
- ☐ Specific Due Date: _____

Delivery Method:
- ☐ Courier
- ☑ Client
- ☐ UPS
- ☐ Fed Ex
- ☐ USPS
- ☐ Other _____

Lab Use:
Temp: 24.6 °C
- ☐ Received on Ice
- ☐ Received Same Day
- ☒ T-41 ☐ T-45

Sample Disposal:
- ☐ Return to Client
- ☐ Disposal by lab
- ☐ Archive for __ days