Monocacy Elementary School Water Quality Report

Monocacy elementary school is classified as a public water system because the water is supplied by a well located on the property. Public water systems are regulated by the Maryland Department of the Environment (MDE) and required to test for lead and copper on a three year cycle. The current reports for the school are attached. Bottled water is provided for drinking and cooking at Monocacy elementary school.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Scott Haines
Certified Water Testing, LLC
15009 N Franklinville Rad
Thurmont, Maryland 21788

Generated 1/17/2025 11:16:45 AM

JOB DESCRIPTION

PFAS in DW - Monocacy Elementary

JOB NUMBER

410-201444-2

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
1/17/2025 11:16:45 AM

Authorized for release by
Nicole Brown, Project Manager
Nicole.Brown@et.eurofinsus.com
(717)471-3265

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

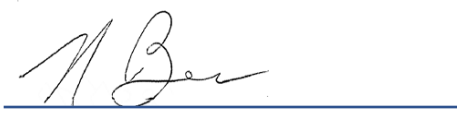

Table of Contents

Definitions/Glossary

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Qualifiers

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-201444-2 Eurofins Lancaster Laboratories Environment

Job Narrative
410-201444-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/19/2024 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

PFAS
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Client Sample ID: Monocacy Elementary - Nurses Room
Lab Sample ID: 410-201444-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	45		1.9	0.48	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	25		1.9	0.48	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	50		1.9	0.58	ng/L	1		EPA 537.1	Total/NA
Perfluorononanoic acid	9.6		1.9	0.48	ng/L	1		EPA 537.1	Total/NA
Perfluorodecanoic acid	11		1.9	0.48	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	2.1		1.9	0.48	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	2.0		1.9	0.48	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	25		1.9	0.48	ng/L	1		EPA 537.1	Total/NA
Perfluoroundecanoic acid	1.2	J	1.9	0.48	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: Monocacy Elementary - Nurses Room Blank/FRB
Lab Sample ID: 410-201444-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Monocacy Elementary - Nurses Room
Lab Sample ID: 410-201444-5
Date Collected: 12/17/24 14:15
Matrix: Drinking Water
Date Received: 12/19/24 08:30

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**45**		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluoroheptanoic acid	**25**		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorooctanoic acid	**50**		1.9	0.58	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorononanoic acid	**9.6**		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorodecanoic acid	**11**		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorotridecanoic acid	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorotetradecanoic acid	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorobutanesulfonic acid	**2.1**		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorohexanesulfonic acid	**2.0**		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorooctanesulfonic acid	**25**		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
NEtFOSAA	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
NMeFOSAA	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluoroundecanoic acid	**1.2**	**J**	1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
Perfluorododecanoic acid	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
HFPODA	ND		1.9	0.86	ng/L		12/20/24 14:32	12/27/24 02:42	1
9Cl-PF3ONS	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
11Cl-PF3OUdS	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1
DONA	ND		1.9	0.48	ng/L		12/20/24 14:32	12/27/24 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*107*		*70 - 130*	*12/20/24 14:32*	*12/27/24 02:42*	*1*
13C2 PFHxA	*112*		*70 - 130*	*12/20/24 14:32*	*12/27/24 02:42*	*1*
13C3 HFPO-DA	*94*		*70 - 130*	*12/20/24 14:32*	*12/27/24 02:42*	*1*
d5-NEtFOSAA	*92*		*70 - 130*	*12/20/24 14:32*	*12/27/24 02:42*	*1*

Client Sample ID: Monocacy Elementary - Nurses Room Blank/FRB
Lab Sample ID: 410-201444-6
Date Collected: 12/17/24 14:15
Matrix: Drinking Water
Date Received: 12/19/24 08:30

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11Cl-PF3OUdS	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
9Cl-PF3ONS	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
DONA	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
HFPODA	ND	cn	2.0	0.91	ng/L		12/20/24 14:32	12/27/24 02:55	1
NEtFOSAA	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
NMeFOSAA	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorobutanesulfonic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorodecanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorododecanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluoroheptanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorohexanesulfonic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorohexanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorononanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorooctanesulfonic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorooctanoic acid	ND	cn	2.0	0.60	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorotetradecanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluorotridecanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1
Perfluoroundecanoic acid	ND	cn	2.0	0.50	ng/L		12/20/24 14:32	12/27/24 02:55	1

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Client Sample ID: Monocacy Elementary - Nurses Room Blank/FRB
Lab Sample ID: 410-201444-6
Date Collected: 12/17/24 14:15
Matrix: Drinking Water
Date Received: 12/19/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	105	cn	70 - 130	12/20/24 14:32	12/27/24 02:55	1
13C2 PFHxA	116	cn	70 - 130	12/20/24 14:32	12/27/24 02:55	1
13C3 HFPO-DA	99	cn	70 - 130	12/20/24 14:32	12/27/24 02:55	1
d5-NEtFOSAA	93	cn	70 - 130	12/20/24 14:32	12/27/24 02:55	1

Surrogate Summary

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Matrix: Drinking Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDA (70-130)	PFHxA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)				
410-201444-5	Monocacy Elementary - Nurses	107	112	94	92				
410-201444-6	Monocacy Elementary - Nurses Room Blank/FRB	105 cn	116 cn	99 cn	93 cn				

Surrogate Legend

PFDA = 13C2 PFDA
PFHxA = 13C2 PFHxA
HFPODA = 13C3 HFPO-DA
d5NEFOS = d5-NEtFOSAA

QC Association Summary

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

LCMS

Prep Batch: 588840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-201444-5	Monocacy Elementary - Nurses Room	Total/NA	Drinking Water	537.1 DW Prep	
410-201444-6	Monocacy Elementary - Nurses Room Blank/FRE	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 590177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-201444-5	Monocacy Elementary - Nurses Room	Total/NA	Drinking Water	EPA 537.1	588840
410-201444-6	Monocacy Elementary - Nurses Room Blank/FRE	Total/NA	Drinking Water	EPA 537.1	588840

Lab Chronicle

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Client Sample ID: Monocacy Elementary - Nurses Room
Lab Sample ID: 410-201444-5
Date Collected: 12/17/24 14:15
Matrix: Drinking Water
Date Received: 12/19/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			588840	ULU3	ELLE	12/20/24 14:32
Total/NA	Analysis	EPA 537.1		1	590177	WR4P	ELLE	12/27/24 02:42

Client Sample ID: Monocacy Elementary - Nurses Room Blank/FRB
Lab Sample ID: 410-201444-6
Date Collected: 12/17/24 14:15
Matrix: Drinking Water
Date Received: 12/19/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			588840	ULU3	ELLE	12/20/24 14:32
Total/NA	Analysis	EPA 537.1		1	590177	WR4P	ELLE	12/27/24 02:55

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
EPA 537.1	537.1 DW Prep	Drinking Water	11Cl-PF3OUdS
EPA 537.1	537.1 DW Prep	Drinking Water	9Cl-PF3ONS
EPA 537.1	537.1 DW Prep	Drinking Water	DONA
EPA 537.1	537.1 DW Prep	Drinking Water	NEtFOSAA
EPA 537.1	537.1 DW Prep	Drinking Water	NMeFOSAA
EPA 537.1	537.1 DW Prep	Drinking Water	Perfluorodecanoic acid
EPA 537.1	537.1 DW Prep	Drinking Water	Perfluorododecanoic acid
EPA 537.1	537.1 DW Prep	Drinking Water	Perfluoroheptanoic acid
EPA 537.1	537.1 DW Prep	Drinking Water	Perfluorohexanoic acid
EPA 537.1	537.1 DW Prep	Drinking Water	Perfluorotetradecanoic acid
EPA 537.1	537.1 DW Prep	Drinking Water	Perfluorotridecanoic acid
EPA 537.1	537.1 DW Prep	Drinking Water	Perfluoroundecanoic acid

Method Summary

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Method	Method Description	Protocol	Laboratory
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Certified Water Testing, LLC
Job ID: 410-201444-2
Project/Site: PFAS in DW - Monocacy Elementary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-201444-5	Monocacy Elementary - Nurses Room	Drinking Water	12/17/24 14:15	12/19/24 08:30
410-201444-6	Monocacy Elementary - Nurses Room Blank/FRE	Drinking Water	12/17/24 14:15	12/19/24 08:30

E
24
La 410-201444 Chain of Custody
Pr

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Chain of Custody Record

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Client Information	Sampler: Scott Haines	Lab PM: Brown, Nicole	Carrier Tracking No(s):	COC No: 410-137578-21753.1
Client Contact: Vanessa Willhide	Phone: 240-285-3122	E-Mail: Nicole.Brown@et.eurofinsus.com	State of Origin: MD	Page: Page 1 of 1
Company: Certified Water Testing, LLC	PWSID:			Job #:
Address: 15009 N Franklinville Rad	Due Date Requested:			
City: Thurmont	TAT Requested (days):			
State, Zip: MD, 21788	Compliance Project: Δ Yes Δ No			
Phone: 301-663-5323	PO #: Purchase Order not required			
Email: vwillhide@gmail.com	WO #:			
Project Name: PFAS in Drinking Water	Project #: 41013710			
Site: C.O.T. / Monocacy Elementary	SSOW#:			

Analysis Requested

Preservation Codes: Y - Trizma

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	537.1_DW - DW EPA 537.1 List of 18	Total Number of containers	Special Instructions/Note:
			Preservation Code:				Y		
Well #16	12/17/24	12:00	G	DW	N		X	2	
Well #16 Blank-FRB	12/17/24	12:00	G	DW	N		X	2	
Well #17	12/17/24	12:10	G	DW	N		X	2	
Well #17 Blank-FRB	12/17/24	12:10	G	DW	N		X	2	
Monocacy Elementary - Nurses Room	12/17/24	14:15	G	DW	N		X	2	
Monocacy Elementary - Nurse Room Blank/FRB	12/17/24	14:15	G	DW	N		X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		12/18/24 14:40				
2						
3					12/19/24 0830	

Login Sample Receipt Checklist

Client: Certified Water Testing, LLC

Job Number: 410-201444-2

Login Number: 201444
List Number: 1
Creator: Santiago, Nathaniel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Certified Water Testing, LLC
(P) 301.663.5323
15009 N. Franklinville Road
Thurmont, MD 21788

SUMMARY OF ANALYTICAL RESULTS: 410-201444-2
Job Description: PFAS in DW - Monocacy Elementary

Sample ID		Monocacy Elementary - Nurses Room			
Lab Sample Number		410-201444-5			
Sampling Date		12/17/2024 14:15:00			
Matrix		Drinking Water			
Dilution Factor		1			
Units		ng/L			
Prep Level		Low			
LCMS - EPA 537.1	**CAS#**	**Result**	**Q**	**RL**	**MDL**
Perfluorobutanesulfonic acid	375-73-5	**2.1**		1.9	0.48
Perfluorodecanoic acid	335-76-2	**11**		1.9	0.48
Perfluoroheptanoic acid	375-85-9	**25**		1.9	0.48
NEtFOSAA	2991-50-6	ND	U	1.9	0.48
Perfluorohexanesulfonic acid	355-46-4	**2.0**		1.9	0.48
NMeFOSAA	2355-31-9	ND	U	1.9	0.48
Perfluorohexanoic acid	307-24-4	**45**		1.9	0.48
Perfluorononanoic acid	375-95-1	**9.6**		1.9	0.48
Perfluorododecanoic acid	307-55-1	ND	U	1.9	0.48
Perfluorooctanesulfonic acid	1763-23-1	**25**		1.9	0.48
HFPODA	13252-13-6	ND	U	1.9	0.86
Perfluorooctanoic acid	335-67-1	**50**		1.9	0.58
Perfluorotetradecanoic acid	376-06-7	ND	U	1.9	0.48
Perfluorotridecanoic acid	72629-94-8	ND	U	1.9	0.48
Perfluoroundecanoic acid	2058-94-8	**1.2**	J	1.9	0.48
9Cl-PF3ONS	756426-58-1	ND	U	1.9	0.48
11Cl-PF3OUdS	763051-92-9	ND	U	1.9	0.48
DONA	919005-14-4	ND	U	1.9	0.48

cn : Refer to Case Narrative for further detail
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.
Bold indicates detected result.
Sub-Contracted Eurofins

Certified Water Testing, LLC.

VWillhide

Vanessa Willhide
Labortory Mananger

Certified Water Testing, LLC
(P) 301.663.5323
15009 N. Franklinville Road
Thurmont, MD 21788

SUMMARY OF ANALYTICAL RESULTS: 410-201444-2
Job Description: PFAS in DW - Monocacy Elementary

Sample ID		Monocacy Elementary - Nurses Room			
Lab Sample Number		410-201444-5			
Sampling Date		12/17/2024 14:15:00			
Matrix		Drinking Water			
Dilution Factor		1			
Units		ng/L			
Prep Level		Low			
LCMS - EPA 537.1	**CAS#**	**Result**	**Q**	**RL**	**MDL**
Perfluorobutanesulfonic acid	375-73-5	**2.1**		1.9	0.48
Perfluorodecanoic acid	335-76-2	**11**		1.9	0.48
Perfluoroheptanoic acid	375-85-9	**25**		1.9	0.48
Perfluorohexanesulfonic acid	355-46-4	**2.0**		1.9	0.48
Perfluorohexanoic acid	307-24-4	**45**		1.9	0.48
Perfluorononanoic acid	375-95-1	**9.6**		1.9	0.48
Perfluorooctanesulfonic acid	1763-23-1	**25**		1.9	0.48
Perfluorooctanoic acid	335-67-1	**50**		1.9	0.58
Perfluoroundecanoic acid	2058-94-8	**1.2**	J	1.9	0.48

cn : Refer to Case Narrative for further detail
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Sub-Contracted Eurofins

Certified Water Testing, LLC.

VWillhide

Vanessa Willhide
Labortory Mananger

Maryland
Department of the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary

August 26, 2024

Brian Mullikin
Monocacy Elementary School
8301 Turkey Thicket Drive
Montgomery Village, MD 20879

Re: Follow-Up: Per- and Polyfluoroalkyl Substances (PFAS) Phase 5 Sampling
Monocacy Elementary School, 115-0018

Dear Brian Mullikin:

Enclosed in this letter are the PFAS results for the samples collected from your system on June 28, 2024. The Maryland Department of Health Laboratories Administration tested the sample for 25 PFAS under U.S. Environmental Protection Agency (EPA) Method 533.

The EPA recently announced finalized regulatory standards for six of the most prevalent PFAS compounds: PFOA, PFOS, PFBS, PFHxS, PFNA, and HFPO-DA (GenX). Under EPA's new regulations, non-transient non-community water systems will be regulated and required to monitor for PFAS on a routine basis. All public water systems under these regulations will be required to begin monitoring for PFAS by 2027 with requirements to be in compliance by 2029.

These PFAS compounds were detected in your water sample at the concentrations listed below. Under each PFAS compound are the individual Maximum Contaminant Levels (MCL) or Health Based Water Concentrations (HBWC) in which the EPA regulations are based.

Sample	PFOA	PFOS	PFBS	PFHxS	PFNA	HFPO-DA (GenX)	Hazard Index[a]
	MCL – 4.0 ppt	*MCL – 4.0 ppt*	*HBWC - 2000 ppt*	*MCL - 10 ppt*	*MCL - 10 ppt*	*MCL - 10 ppt*	*HI - 1.0*
TP01	45.9	25	2.7	1.88	8.66	<RL	1.06

Results in red show concentrations that exceed EPA's regulations. <RL = Reporting Limit

[a] The Hazard Index (HI) considers the combined concentrations of PFBS, PFHxS, PFNA, and HFPO-DA, in drinking water. HI greater than 1.0, is a violation of the EPA MCL.

For a full breakdown of all 25 PFAS analyte concentrations, refer to the results attached.

At these elevated levels, we recommend you take the following actions:

- **Discontinue use of your system's water.** Use of bottled water for consumption is recommended until a long-term solution is put in place.

- **Issue a tier II public notice notifying your consumers within 30 days.** To assist you with the public notice, we have drafted the attached notice for your review. This is the same notice that was provided prior to sampling.

- **Develop a plan to reduce PFAS in your drinking water.** Short-term solutions may include setting up a contract to purchase bottled water or hauled water, on an emergency basis. Longer term reduction strategies may include acquiring alternative sources of drinking water (i.e., drilling a new well, connecting with a larger nearby water system, etc.), or installing treatment to remove PFAS (i.e., granular activated carbon, ion exchange resins, high pressure membrane systems). Plans should be implemented as soon as practical.

  Prior to modifying or installing new treatment, a water and sewerage construction permit will need to be obtained.

For public schools and non-profit water systems, funding is available for projects addressing PFAS through the Infrastructure Investment and Jobs Act (Bipartisan Infrastructure Law). The funding solicitation period generally runs from December to January. For information about funding and for technical assistance, reach out to your MDE county engineer, Christopher Mosher at christopher.mosher@maryland.gov.

For more information about PFAS monitoring and reporting requirements, please refer to the EPA fact sheet linked below:

EPA: PFAS Monitoring and Reporting Fact Sheet

If you have any other questions, contact me at 410-537-3065 or Diana.Kremer@maryland.gov.

Sincerely,

Diana Kremer

Diana Kremer
Water Supply Program

State of Maryland
Department of Health
LABORATORIES ADMINISTRATION
1770 Ashland Avenue
Baltimore, MD 21205
Robert Myers, Ph.D., Director

Division of Environmental Sciences
CHEMICAL EMERGENCY PREPAREDNESS AND RESPONSE LABORATORY

Certificate of Analysis

FINAL REPORT

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Field ID: 115-0018-TP01
Submitted By: Joseph Gay
Date Collected: 06/28/2024
Information in this section was not generated by the laboratory

Lab No: PF2400031401
Date Recieved: 06/28/2024
Date Analyzed: 08/08/2024

Analyte	Method	RL	Result †	Uncertainty	Units
PFBA	EPA 533	1.0	20.9	± 18.6%	ppt
PFPeA	EPA 533	1.0	54.9	± 18.4%	ppt
PFHxA	EPA 533	1.0	45.6	± 17.2%	ppt
PFHpA	EPA 533	1.0	22.5	± 26.6%	ppt
PFOA	EPA 533	1.0	45.9	± 23.4%	ppt
PFNA	EPA 533	1.0	8.66	± 24.4%	ppt
PFDA	EPA 533	1.5	11.1	± 18.7%	ppt
PFUnDA	EPA 533	1.0	1.40	± 25.9%	ppt
PFDOA	EPA 533	1.0	0.946 †	± 15.8%	ppt
PFBS	EPA 533	1.0	2.70	± 19.6%	ppt
PFPeS	EPA 533	1.0	ND	± 25.9%	ppt
PFHxS	EPA 533	1.5	1.88	± 19.5%	ppt
PFHpS	EPA 533	1.0	ND	± 26.1%	ppt
PFOS	EPA 533	1.0	25.0	± 19.0%	ppt
4-2 FTS	EPA 533	1.0	ND	± 18.2%	ppt
6-2 FTS	EPA 533	1.5	ND	± 17.5%	ppt
8-2 FTS	EPA 533	1.0	ND	± 17.7%	ppt
HFPO-DA	EPA 533	1.0	ND	± 21.2%	ppt
ADONA	EPA 533	1.0	ND	± 22.8%	ppt
9Cl-PF3ONS	EPA 533	1.0	ND	± 17.3%	ppt

Approved by: Sadia Mureen
Approval date: 08/13/2024

Samples are tested as received. Results relate only to the items tested.

ND= Below the Method Detection Limit (MDL) or 1/3 Reporting Level (RL)

Methods marked with an asterisk (*) are included in our A2LA scope of accreditation.

Results marked with a cross (†) are above the Method Detection Limit (MDL) but below the Reporting Level (RL)

State of Maryland
Department of Health
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Baltimore, MD 21205
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FINAL REPORT

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Field ID: 115-0018-TP01
Submitted By: Joseph Gay
Date Collected: 06/28/2024
Information in this section was not generated by the laboratory

Lab No: PF2400031401
Date Recieved: 06/28/2024
Date Analyzed: 08/08/2024

Analyte	Method	RL	Result †	Uncertainty	Units
11Cl-PF3OUdS	EPA 533	1.0	ND	± 23.9%	ppt
PFEESA	EPA 533	1.0	ND	± 17.4%	ppt
PFMPA	EPA 533	1.0	ND	± 22.2%	ppt
PFMBA	EPA 533	1.0	ND	± 23.7%	ppt
NFDHA	EPA 533	2.5	ND	± 28.2%	ppt

Approved by: Sadia Mureen
Approval date: 08/13/2024

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Department of Health
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1770 Ashland Avenue
Baltimore, MD 21205
Robert Myers, Ph.D., Director

Division of Environmental Sciences
CHEMICAL EMERGENCY PREPAREDNESS AND RESPONSE LABORATORY

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FINAL REPORT

Folder No:	PF24000314	Date/Time Logged:	06/28/2024 13:16
Sample ID:	PF2400031401	Temperature Control:	6
Date Received in Lab:	06/28/2024	Sample Condition:	Acceptable
Sample Received By:		Received Under Chain of Custody (COC)?	No

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Field ID:	115-0018-TP01	Field ID:	115-0018-TP01
County:	Montgomery	Submitted By:	Joseph Gay
Plant:	0018	Date Collected:	06/28/2024
Sample Station:	TP01	Collected By:	Joseph Gay
Site Name:	MONOCACY ELEMENTARY	County Code:	15
Sample Source:	PFAS 533 sample	Submitter Code:	Water Quality Monitoring Program (52)
Location:		Reason For Testing:	Routine
Long/Lat:		Data Category Code:	4A
Sample Preserved By:	Ammonium Acetate	Regulation Supported:	SDWA
Sample pH:	06.7	Federal Project:	Safe Drinking Water Act (SDWA) (S)
Free Chlorine:	0.0	Sample Type:	Drinking Water
Total Chlorine:	0.0	System Type:	Non-Community
Comment:		Source Descriptor:	Water Treatment Plant POE
		Collector Phone:	(410) 446-7324
		Collection Date/Time:	06/28/2024 09:00

Analysis Requested
DW PFAS - 533

Information in this section was not generated by the laboratory

Approved by: Sadia Mureen Approval date: 08/13/2024

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FINAL REPORT

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Field ID: 115-0018-TP01FB
Submitted By: Joseph Gay
Date Collected: 06/28/2024
Information in this section was not generated by the laboratory

Lab No: PF2400031402
Date Recieved: 06/28/2024
Date Analyzed: 07/30/2024

Analyte	Method	RL	Result †	Uncertainty	Units
PFBA	EPA 533	1.0	ND	± 18.6%	ppt
PFPeA	EPA 533	1.0	ND	± 18.4%	ppt
PFHxA	EPA 533	1.0	ND	± 17.2%	ppt
PFHpA	EPA 533	1.0	ND	± 26.6%	ppt
PFOA	EPA 533	1.0	ND	± 23.4%	ppt
PFNA	EPA 533	1.0	ND	± 24.4%	ppt
PFDA	EPA 533	1.5	ND	± 18.7%	ppt
PFUnDA	EPA 533	1.0	ND	± 25.9%	ppt
PFDOA	EPA 533	1.0	0.420 †	± 15.8%	ppt
PFBS	EPA 533	1.0	ND	± 19.6%	ppt
PFPeS	EPA 533	1.0	ND	± 25.9%	ppt
PFHxS	EPA 533	1.5	ND	± 19.5%	ppt
PFHpS	EPA 533	1.0	ND	± 26.1%	ppt
PFOS	EPA 533	1.0	ND	± 19.0%	ppt
4-2 FTS	EPA 533	1.0	ND	± 18.2%	ppt
6-2 FTS	EPA 533	1.5	ND	± 17.5%	ppt
8-2 FTS	EPA 533	1.0	ND	± 17.7%	ppt
HFPO-DA	EPA 533	1.0	ND	± 21.2%	ppt
ADONA	EPA 533	1.0	ND	± 22.8%	ppt
9Cl-PF3ONS	EPA 533	1.0	ND	± 17.3%	ppt

Approved by: Sadia Mureen Approval date: 08/13/2024

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Results marked with a cross (†) are above the Method Detection Limit (MDL) but below the Reporting Level (RL)

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FINAL REPORT

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Field ID: 115-0018-TP01FB
Submitted By: Joseph Gay
Date Collected: 06/28/2024
Information in this section was not generated by the laboratory

Lab No: PF2400031402
Date Recieved: 06/28/2024
Date Analyzed: 07/30/2024

Analyte	Method	RL	Result †	Uncertainty	Units
11Cl-PF3OUdS	EPA 533	1.0	ND	± 23.9%	ppt
PFEESA	EPA 533	1.0	ND	± 17.4%	ppt
PFMPA	EPA 533	1.0	ND	± 22.2%	ppt
PFMBA	EPA 533	1.0	ND	± 23.7%	ppt
NFDHA	EPA 533	2.5	ND	± 28.2%	ppt

Approved by: Sadia Mureen Approval date: 08/13/2024

Samples are tested as received. Results relate only to the items tested.

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State of Maryland
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1770 Ashland Avenue
Baltimore, MD 21205
Robert Myers, Ph.D., Director

Division of Environmental Sciences
CHEMICAL EMERGENCY PREPAREDNESS AND RESPONSE LABORATORY

Certificate of Analysis

FINAL REPORT

Folder No:	PF24000314	Date/Time Logged:	06/28/2024 13:16
Sample ID:	PF2400031402	Temperature Control:	6
Date Received in Lab:	06/28/2024	Sample Condition:	Acceptable
Sample Received By:		Received Under Chain of Custody (COC)?	No

MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

		Field ID:	115-0018-TP01FB
		Submitted By:	Joseph Gay
		Date Collected:	06/28/2024
Field ID:	115-0018-TP01FB	Collected By:	Joseph Gay
County:	Montgomery	County Code:	15
Plant:		Submitter Code:	Water Quality Monitoring Program (52)
Sample Station:		Reason For Testing:	Routine
Site Name:	MONOCACY ELEMENTARY	Data Category Code:	
Sample Source:	PFAS 533 field blank	Regulation Supported:	SDWA
Location:		Federal Project:	Safe Drinking Water Act (SDWA) (S)
Long/Lat:			
Sample Preserved By:	Ammonium Acetate	Sample Type:	Drinking Water
Sample pH:	NA	System Type:	Non-Community
Free Chlorine:	NA	Source Descriptor:	Water Treatment Plant POE
Total Chlorine:	NA		
Comment:		Collector Phone:	(410) 446-7324
		Collection Date/Time:	06/28/2024 09:00

Analysis Requested
DW PFAS - 533

Information in this section was not generated by the laboratory

Approved by: Sadia Mureen Approval date: 08/13/2024

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Results marked with a cross (†) are above the Method Detection Limit (MDL) but below the Reporting Level (RL)

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER SUPPLY PROGRAM

1800 Washington Boulevard • Baltimore, Maryland 21230
410-537-3729 • (800) 633-6101 ext. 3729 • http://www.mde.state.md.us

==========

CERTIFICATION OF LEAD SAMPLE RESULT NOTICE

For Non-Transient Non-Community Water Systems

==========

Lead/Copper Sample Collection Date (Month and Year): February 2024
Name of Laboratory: Martel Laboratory

AFTER NOTIFYING ALL WATER CUSTOMERS OF LEAD SAMPLE RESULTS, SEND* THE WATER SUPPLY PROGRAM A COPY OF:

A. A copy of the notice distributed;
B. This form with the Certification portion below completed.

CERTIFICATION

***I certify that* (check items completed):**

X All customers served by the facility on a regular basis (e.g. employees, staff, students, etc.) received a notice of all lead tap water monitoring results either by mail or other methods such as posting (please specify below):
Posted on school bulletin boards

■ All customers received the notice no later than 30 days after the water system learned of the lead tap monitoring results.

X The notice included the following information:

- Results of lead tap water monitoring
- Explanation of the health effects of lead using EPA mandatory language
- List of steps consumers can take to reduce their exposure to lead in drinking water
- The Maximum Contaminant Level Goal (MCLG) and the Action Level (AL) for lead and the EPA definitions.
- Utility contact information

Phill Billing (ER) — SIGNATURE
5/13/2024 — DATE

Phill Billings — NAME (printed or typed)
202-407-6757 — PHONE NUMBER

Monocacy Elementary School — WATER SYSTEM NAME
115-0018 — PWSID
Montgomery — COUNTY

*** This completed form and a copy of the notice distributed must be received by the MDE Water Supply Program no later than three months following the end of the monitoring period in which the lead/copper samples were collected:**

September 30 for the January – June semi-annual period
March 31 for the July – December semi-annual period
December 31 for the June – September reduced (annual or triennial) period.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER SUPPLY PROGRAM

1800 Washington Blvd., STE. 450•Baltimore, Maryland 21230-1708
(410) 537-3729 • (800) 633-6101 ext. 3729• http://www.mde.state.md.us

LEAD AND COPPER MONITORING REPORT FORM
For Non-Transient Non-Community Water Systems

System Name: __Monocacy Elementary School_____ PWSID #: _115-0018_____

County: _Montgomery_____ Population: __+/- 350_____

Laboratory: _Martel Laboratory_____ Laboratory Certification ID#: _107_____

Monitoring Record for: Year __2024_____ Period (CIRCLE ONE) January - June / July - December / June - September *(REDUCED)*

This report must be submitted within 10 days following the end of the monitoring period.

THE RESULTS OF THE LEAD AND COPPER WATER SAMPLES, INCLUDING LOCATIONS AND DATES OF COLLECTION AND ANALYSES, MUST BE ATTACHED TO THIS DOCUMENT AND RETURNED TO THE ABOVE ADDRESS

# of Samples Required ____**5**_____ # of Samples Analyzed ____**5**_____

Calculating the 90th percentile:
For lead and copper, list samples from the highest recorded value to the lowest recorded value. Starting from the bottom (lowest value) count up until the calculated number (# of samples analyzed x 0.9) is reached. The sample value in this number position is the 90th percentile. For systems collecting 5 samples, average the 4th and 5th highest sample values. For systems collecting fewer than 5 samples, contact the Water Supply Program.

90th Percentile Value Lead: _0.002___mg/L **90th Percentile Value Copper: _0.6895_mg/L**

TARGETING CRITERIA (*Non-Transient Non-Community Water Systems*):

Tier 1 Sites

_____ # of taps from buildings that are served by lead service lines and/or contain lead pipes or copper pipes with lead solder installed after 1982

Tier 2 Sites

_____5_____ # of taps from buildings that contain copper pipes with lead solder installed before 1983

Exceptional Sites (other than classifications listed)

_____ Describe:_____

_____5_____ **TOTAL** (should equal # samples analyzed)

Lead Service Lines

Are lead service lines present within the distribution system? Yes or No (circle one) If no, skip this section.

A. # of samples required to be collected from lead service line sites _____

B. # of samples collected from lead service line sites _____

C. Difference (A-B). Explain if other than zero. _____

Methods used to identify lead service line sites: (attach additional pages if necessary)

_____

CERTIFICATION OF COLLECTION METHODS:

I certify that:

1. Each first-draw tap sample for lead and copper is one liter in volume and to the best of my knowledge, has stood motionless in the plumbing system of each sampling site for at least six hours.

2. Each first-draw sample collected from a residential building has been collected from the cold water kitchen tap or bathroom sink tap.

3. Each first-draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.

4. Each first-draw sample collected during a reduced monitoring period (annual or triennial) has been collected in the months of June, July, August, or September.

5. Each resident who volunteered to collect tap water samples from his or her home has been properly instructed by this water system in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results. Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the residents who performed sampling.

SIGNATURE

Phill Billings (ER)

Phill Billings — NAME (printed or typed)

5/13/2024 — DATE

Operations — TITLE

202-406-6757 — PHONE NUMBER

IMPORTANT NOTICE:
Lead and Copper Water Sample Results
Monocacy Elementary School WTP

SAMPLE RESULT
On **2/27/2024**, five lead and copper water samples were collected from five locations throughout the Monocacy Elementary School water distribution system that are frequently used by students and/or staff for water consumption. The Safe Drinking Water Act requires Monocacy Elementary School or Montgomery County Public Schools management to provide each customer served by the facility on a regular basis (e.g. staff, students, etc.) the results of those lead and copper samples.

The lead results from the samples collected at the above address were as follows:

Sample Location	Sample #	Sample Date	Sample Time	Lead Result (mg/L)
Room 113 Sink	1	2/27/2024	10:20	0.002
Room 102 Sink	2	2/27/2024	10:20	<0.002
Health Room Sink	3	2/27/2024	10:20	<0.002
Faculty Lunch Room Sink	4	2/27/2024	10:20	<0.002
Cafeteria Sink	5	2/27/2024	10:20	<0.002

90th percentile results: 0.002 mg/L. Action Level: 0.015 mg/L. No action required.

The copper results from the samples taken were as follows:

Sample Location	Sample #	Sample Date	Sample Time	Copper Result (mg/L)
Room 113 Sink	1	2/27/2024	10:20	0.891
Room 102 Sink	2	2/27/2024	10:20	0.488
Health Room Sink	3	2/27/2024	10:20	0.225
Faculty Lunch Room Sink	4	2/27/2024	10:20	0.09
Cafeteria Sink	5	2/27/2024	10:20	0.09

90th percentile results: 0.6895 mg/L. Action Level: 1.3 mg/L. No action required.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) & ACTION LEVEL (AL)
The MCLG for lead is zero and the AL is 15 parts per billion (or 0.015 parts per million). The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. The AL is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

HEALTH EFFECTS OF LEAD
Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

STEPS YOU CAN TAKE TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

1. Run your water to flush out lead**:** If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.
3. Look for alternative sources (e.g. bottled water) **if lead levels are elevated**.
4. Get your child tested. Contact your local health department or healthcare provider to find out how you can get your child tested for lead, if you are concerned about exposure.

Please note that boiling the water will not reduce lead levels.

ADDITIONAL INFORMATION

For additional information, please contact Monocacy Elementary School water operator Jack Bradshaw at (443) 903-4758. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead or contact your health care provider.

PWSID: **MES WTP 115-0018**

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 71200-01

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Phill Billings

Address: 18801 Barnesville Rd Telephone #: 202-407-6757

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Rm 113 Sink

Water last used: Time: 19:00 Date: 2/26/2024

Sample was collected: Time: 10:20 Date: 2/27/2024

Length of time water remained in pipes before sample was drawn: 15.3 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Phill Billings (ER) 5/13/2024

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 71200-02

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Phill Billings

Address: 18801 Barnesville Rd Telephone #: 202-407-6757

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Rm 102 Sink

Water last used: Time: 19:00 Date: 2/26/2024

Sample was collected: Time: 10:20 Date: 2/27/2024

Length of time water remained in pipes before sample was drawn: 15.3 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Phill Billings (ER) 5/13/2024

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 71200-03

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Phill Billings

Address: 18801 Barnesville Rd Telephone #: 202-407-6757

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Health Room Sink

Water last used: Time: 19:00 Date: 2/26/2024

Sample was collected: Time: 10:20 Date: 2/27/2024

Length of time water remained in pipes before sample was drawn: 15.3 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Phill Billings (ER) 5/13/2024

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 71200-04

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Phill Billings

Address: 18801 Barnesville Rd Telephone #: 202-407-6757

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Faculty Lunch Room Sink

Water last used: Time: 19:00 Date: 2/26/2024

Sample was collected: Time: 10:20 Date: 2/27/2024

Length of time water remained in pipes before sample was drawn: 15.3 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Phill Billings (ER) 5/13/2024

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 71200-05

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Phill Billings

Address: 18801 Barnesville Rd Telephone #: 202-407-6757

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Cafeteria Sink

Water last used: Time: 19:00 Date: 2/26/2024

Sample was collected: Time: 10:20 Date: 2/27/2024

Length of time water remained in pipes before sample was drawn: 15.3 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Phill Billings (ER) 5/13/2024

SIGNATURE DATE

MARTEL

1025 Cromwell Bridge Road - Baltimore, Maryland 21286
PH 410-825-7790 martel@martellabs.com

Professional Startup Services
3414 Baywood Rd.

Forest Hill, MD 21050
Attention: **Bill Farrell**

Friday, April 5, 2024

Certificate of Analysis
FINAL

Project Information:

Report for Lab No: 71200.
Project Identification: Monocacy ES Drinking Water Lead and Copper - 2/27/24

Samples received by Martel and the results apply to the samples as received. Martel is not responsible for sample collection or transportation to the laboratory. Sampling Plan and Sampling Method are the responsibility of the Client. Received dates are included in the chain of custody portion of the report.

References and Important Notes:

40CFR136=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. SM="Standard Methods for the Examination of Water and Wastewater", American Public Health Association, American Water Works Association, and Water Environment Federation. 40CFR141=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 141, National Primary Drinking Water Regulations.

Notices:

Chain of Custody Form(s) are attached and are an integral part of this report.
This report will be retained for at least five years and will be disposed of without notice.
Measurement uncertainty for each listed test is available upon request.
The results presented herein relate only to the samples or items tested.
All samples tested were in acceptable condition, unless otherwise noted.

Thomas Mccaffrey
Project Manager

MARTEL

Certificate of Analysis

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
71200	000001	RM 113 SINK	02/27/2024 10:20

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	0.002	mg/l	EPA 200.8	0.002	03/08/2024 18:38 CSG
Copper	0.891	mg/l	EPA 200.8	0.002	03/08/2024 18:38 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
71200	000002	RM 102 SINK	02/27/2024 10:20

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	<0.002	mg/l	EPA 200.8	0.002	03/08/2024 18:41 CSG
Copper	0.488	mg/l	EPA 200.8	0.002	03/08/2024 18:41 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
71200	000003	HEALTH ROOM SINK	02/27/2024 10:20

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	<0.002	mg/l	EPA 200.8	0.002	03/08/2024 18:44 CSG
Copper	0.225	mg/l	EPA 200.8	0.002	03/08/2024 18:44 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
71200	000004	FACULTY LUNCH RM SINK	02/27/2024 10:20

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	<0.002	mg/l	EPA 200.8	0.002	03/08/2024 18:46 CSG
Copper	0.09	mg/l	EPA 200.8	0.002	03/08/2024 18:46 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
71200	000005	CAFETERIA SINK	02/27/2024 10:20

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	<0.002	mg/l	EPA 200.8	0.002	03/08/2024 18:49 CSG
Copper	0.09	mg/l	EPA 200.8	0.002	03/08/2024 18:49 CSG

MARTEL *CHAIN OF CUSTODY / SAMPLE INFORMATION FORM*

Martel Laboratories ,ps Inc. • 1025 Cromwell Bridge Road • Baltimore, MD 21286 • (410) 825-7790 • FAX (410) 821-1054 • martel@martellabs.com

MARTEL Log # 71200 Client Code PROFES

Client Name/Phone Monocacy Elementary

Client Address

E-mail Address Pro Start

Sampler Phill Billings

Project #/Name MES-WTP

Contract/P.O # Pro Start

Sample Turnaround Time Routine

Sample No.	Sample Location	Matrix	Container Description/Preservation Status	# of Containers	Date	Time	Analyses Required/Comments
1	Rm 113 sink	DRW	950 ML	1	2/27/24	10:20A	Lead & Copper
2	Rm 102 sink	DRW	950 ML	1	2/27/24	10:20A	Lead & Copper
3	Health Room sink	DRW	950 ML	1	2/27/24	10:20A	Lead & Copper
4	Facility Lunch Rm sink	DRW	950 ML	1	2/27/24	10:20A	Lead & Copper
5	Cafeteria sink	DRW	950 ML	1	2/27/24	10:20A	Lead & Copper

Transferred by: [signature] Received by: [signature] Date 2/27 Time 1240

Transferred by: Received by: Date Time

Transferred by: Received by: Date Time

Cooler Receipt Information (LAB USE ONLY)

Received on ice/blue ice? - Yes/No IR temp = 10 °C

Sample containers pres'd? - Yes/No If No, explain

Custody Seal present? - Yes/No Intact - Yes/No

Initials: SK Date: 2/27/24

Page 3

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER SUPPLY PROGRAM
1800 Washington Boulevard • Baltimore, Maryland 21230
410-537-3729 • (800) 633-6101 ext. 3729 • http://www.mde.state.md.us

==========

CERTIFICATION OF LEAD SAMPLE RESULT NOTICE

For Non-Transient Non-Community Water Systems

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Lead/Copper Sample Collection Date (Month and Year): December 2022
Name of Laboratory: Martel Laboratory

AFTER NOTIFYING ALL WATER CUSTOMERS OF LEAD SAMPLE RESULTS, SEND* THE WATER SUPPLY PROGRAM A COPY OF:

A. A copy of the notice distributed;
B. This form with the Certification portion below completed.

CERTIFICATION

I certify that** **(check items completed):

☐ All customers served by the facility on a regular basis (e.g. employees, staff, students, etc.) received a notice of all lead tap water monitoring results either by mail or other methods such as posting (please specify below):
Posted on school bulletin boards

■ All customers received the notice no later than 30 days after the water system learned of the lead tap monitoring results.

☐ The notice included the following information:

- Results of lead tap water monitoring
- Explanation of the health effects of lead using EPA mandatory language
- List of steps consumers can take to reduce their exposure to lead in drinking water
- The Maximum Contaminant Level Goal (MCLG) and the Action Level (AL) for lead and the EPA definitions.
- Utility contact information

Levi Bradshaw

SIGNATURE — 3/6/2023 DATE

Levi Bradshaw — NAME (printed or typed)

301-529-8136 — PHONE NUMBER

Monocacy Elementary School — WATER SYSTEM NAME

115-0018 — PWSID

Montgomery — COUNTY

*** This completed form and a copy of the notice distributed must be received by the MDE Water Supply Program no later than three months following the end of the monitoring period in which the lead/copper samples were collected:**

September 30 for the January – June semi-annual period
March 31 for the July – December semi-annual period
December 31 for the June – September reduced (annual or triennial) period.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER SUPPLY PROGRAM

1800 Washington Blvd., STE. 450•Baltimore, Maryland 21230-1708
(410) 537-3729 • (800) 633-6101 ext. 3729• http://www.mde.state.md.us

LEAD AND COPPER MONITORING REPORT FORM
For Non-Transient Non-Community Water Systems

System Name: __Monocacy Elementary School_____ PWSID #: _115-0018_____

County: _Montgomery_____ Population: __+/- 350_____

Laboratory: _Martel Laboratory_____ Laboratory Certification ID#: _107_____

Monitoring Record for: Year __2022_____ Period (CIRCLE ONE) January - June / July - December / June - September *(REDUCED)*

This report must be submitted within 10 days following the end of the monitoring period.

THE RESULTS OF THE LEAD AND COPPER WATER SAMPLES, INCLUDING LOCATIONS AND DATES OF COLLECTION AND ANALYSES, MUST BE ATTACHED TO THIS DOCUMENT AND RETURNED TO THE ABOVE ADDRESS

# of Samples Required ____**5**_____ # of Samples Analyzed _____**5**_____

Calculating the 90th percentile:
For lead and copper, list samples from the highest recorded value to the lowest recorded value. Starting from the bottom (lowest value) count up until the calculated number (# of samples analyzed x 0.9) is reached. The sample value in this number position is the 90th percentile. For systems collecting 5 samples, average the 4th and 5th highest sample values. For systems collecting fewer than 5 samples, contact the Water Supply Program.

90th Percentile Value Lead: _0.011_ mg/L **90th Percentile Value Copper: _0.869_ mg/L**

TARGETING CRITERIA (*Non-Transient Non-Community Water Systems*):

Tier 1 Sites

_____ # of taps from buildings that are served by lead service lines and/or contain lead pipes or copper pipes with lead solder installed after 1982

Tier 2 Sites

_____5_____ # of taps from buildings that contain copper pipes with lead solder installed before 1983

Exceptional Sites (other than classifications listed)

_____ Describe:_____

_____5_____ **TOTAL** (should equal # samples analyzed)

Lead Service Lines

Are lead service lines present within the distribution system? Yes or No (circle one) If no, skip this section.

A. # of samples required to be collected from lead service line sites _____

B. # of samples collected from lead service line sites _____

C. Difference (A-B). Explain if other than zero. _____

Methods used to identify lead service line sites: (attach additional pages if necessary)

_____

CERTIFICATION OF COLLECTION METHODS:

I certify that:

1. Each first-draw tap sample for lead and copper is one liter in volume and to the best of my knowledge, has stood motionless in the plumbing system of each sampling site for at least six hours.

2. Each first-draw sample collected from a residential building has been collected from the cold water kitchen tap or bathroom sink tap.

3. Each first-draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.

4. Each first-draw sample collected during a reduced monitoring period (annual or triennial) has been collected in the months of June, July, August, or September.

5. Each resident who volunteered to collect tap water samples from his or her home has been properly instructed by this water system in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results. Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the residents who performed sampling.

SIGNATURE Levi Bradshaw

Levi Bradshaw	3/6/2023
NAME (printed or typed)	DATE
Operations	301-529-8136
TITLE	PHONE NUMBER

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 63390-01

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Levi Bradshaw

Address: 18801 Barnesville Rd Telephone #: 301-529-8136

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Rm 102 Sink CWT

Water last used: Time: 18:00 Date: 12/30/2022

Sample was collected: Time: 15:00 Date: 12/31/2022

Length of time water remained in pipes before sample was drawn: 21.0 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Levi Bradshaw EB 3/6/2023

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 63390-02

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Levi Bradshaw

Address: 18801 Barnesville Rd Telephone #: 301-529-8136

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Rm 113 Sink CWT

Water last used: Time: 18:00 Date: 12/30/2022

Sample was collected: Time: 15:05 Date: 12/31/2022

Length of time water remained in pipes before sample was drawn: 21.1 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Levi Bradshaw LB 3/6/2023

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 63390-03

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Levi Bradshaw

Address: 18801 Barnesville Rd Telephone #: 301-529-8136

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Healthcare Sink CWT

Water last used: Time: 18:00 Date: 12/30/2022

Sample was collected: Time: 15:10 Date: 12/31/2022

Length of time water remained in pipes before sample was drawn: 21.2 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Levi Bradshaw EB 3/6/2023

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 63390-04

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Levi Bradshaw

Address: 18801 Barnesville Rd Telephone #: 301-529-8136

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Faculty Lunch Room Sink CWT

Water last used: Time: 18:00 Date: 12/30/2022

Sample was collected: Time: 15:15 Date: 12/31/2022

Length of time water remained in pipes before sample was drawn: 21.25 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Levi Bradshaw LB 3/6/2023

SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle under the cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marked “1-L” or "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: 63390-05

(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Levi Bradshaw

Address: 18801 Barnesville Rd Telephone #: 301-529-8136

Dickerson, MD 20842

Sample tap location (kitchen sink, water fountain, etc.): Cafeteria Sink CWT

Water last used: Time: 18:00 Date: 12/30/2022

Sample was collected: Time: 15:20 Date: 12/31/2022

Length of time water remained in pipes before sample was drawn: 21.3 hours

Any plumbing changes since the last sample was collected from this location? Yes (No)
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

Levi Bradshaw LB 3/6/2023

SIGNATURE DATE

IMPORTANT NOTICE:
Lead and Copper Water Sample Results
Monocacy Elementary School WTP

SAMPLE RESULT
On **12/31/2022**, five lead and copper water samples were collected from five locations throughout the Monocacy Elementary School water distribution system that are frequently used by students and/or staff for water consumption. The Safe Drinking Water Act requires Monocacy Elementary School or Montgomery County Public Schools management to provide each customer served by the facility on a regular basis (e.g. staff, students, etc.) the results of those lead and copper samples.

The lead results from the samples collected at the above address were as follows:

Sample Location	Sample #	Sample Date	Sample Time	Lead Result (mg/L)
CAFETERIA SINK CWT	5	12/31/2022	15:20	0.015
HEALTH CARE SINK CWT	3	12/31/2022	15:10	0.007
RM 113 SINK CWT	2	12/31/2022	15:05	0.006
RM 102 SINK CWT	1	12/31/2022	15:00	0.005
FACULTY LUNCH ROOM SINK CWT	4	12/31/2022	15:15	<0.002

90th percentile results: 0.011 mg/L. Action Level: 0.015 mg/L. No action required.

The copper results from the samples taken were as follows:

Sample Location	Sample #	Sample Date	Sample Time	Copper Result (mg/L)
RM 113 SINK CWT	2	12/31/2022	15:05	0.895
RM 102 SINK CWT	1	12/31/2022	15:00	0.843
HEALTH CARE SINK CWT	3	12/31/2022	15:10	0.787
CAFETERIA SINK CWT	5	12/31/2022	15:20	0.350
FACULTY LUNCH ROOM SINK CWT	4	12/31/2022	15:15	0.349

90th percentile results: 0.869 mg/L. Action Level: 1.3 mg/L. No action required.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) & ACTION LEVEL (AL)
The MCLG for lead is zero and the AL is 15 parts per billion (or 0.015 parts per million). The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. The AL is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

HEALTH EFFECTS OF LEAD
Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life.

During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

STEPS YOU CAN TAKE TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

1. Run your water to flush out lead**:** If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.
3. Look for alternative sources (e.g. bottled water) **if lead levels are elevated**.
4. Get your child tested. Contact your local health department or healthcare provider to find out how you can get your child tested for lead, if you are concerned about exposure.

Please note that boiling the water will not reduce lead levels.

ADDITIONAL INFORMATION

For additional information, please contact Monocacy Elementary School water operator Jack Bradshaw at (443) 903-4758. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead or contact your health care provider.

PWSID: **MES WTP 115-0018**

MARTEL

1025 Cromwell Bridge Road - Baltimore, Maryland 21286
PH 410-825-7790 martel@martellabs.com

Professional Startup Services
3414 Baywood Rd.

Forest Hill, MD 21050
Attention: **Bill Farrell**

Wednesday, February 22, 2023

Certificate of Analysis

FINAL

Project Information:

Report for Lab No: 63390.
Project Identification: Monocacy ES DW Lead and Copper - 12/31/22

Samples received by Martel and the results apply to the samples as received. Martel is not responsible for sample collection or transportation to the laboratory. Sampling Plan and Sampling Method are the responsibility of the Client. Received dates are included in the chain of custody portion of the report.

References and Important Notes:

40CFR141=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 141, National Primary Drinking Water Regulations. SM="Standard Methods for the Examination of Water and Wastewater", American Public Health Association, American Water Works Association, and Water Environment Federation.

Notices:

Chain of Custody Form(s) are attached and are an integral part of this report.
This report will be retained for at least five years and will be disposed of without notice.
Measurement uncertainty for each listed test is available upon request.
The results presented herein relate only to the samples or items tested.
All samples tested were in acceptable condition, unless otherwise noted.

Project Manager

MARTEL

Certificate of Analysis

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
63390	000001	RM 102 SINK CWT	12/31/2022 15:00

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	0.005	mg/l	EPA 200.8	0.002	02/08/2023 10:36 BJ
Copper	0.843	mg/l	EPA 200.8	0.002	02/16/2023 13:00 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
63390	000002	RM 113 SINK CWT	12/31/2022 15:05

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	0.006	mg/l	EPA 200.8	0.002	02/08/2023 10:39 BJ
Copper	0.895	mg/l	EPA 200.8	0.002	02/16/2023 13:03 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
63390	000003	HEALTH CARE SINK CWT	12/31/2022 15:10

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	0.007	mg/l	EPA 200.8	0.002	02/08/2023 10:42 BJ
Copper	0.787	mg/l	EPA 200.8	0.002	02/16/2023 13:05 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
63390	000004	FACULTY LUNCH ROOM SINK CWT	12/31/2022 15:15

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	<0.002	mg/l	EPA 200.8	0.002	02/08/2023 10:44 BJ
Copper	0.349	mg/l	EPA 200.8	0.002	02/08/2023 10:44 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
63390	000005	CAFETERIA SINK CWT	12/31/2022 15:20

Compound	Test Value	Test Unit	Method	LOQ/PQL	Analysis Date/Time/Initial
Lead	0.015	mg/l	EPA 200.8	0.002	02/08/2023 10:47 BJ
Copper	0.350	mg/l	EPA 200.8	0.002	02/16/2023 13:08 CSG

MARTEL *CHAIN OF CUSTODY / SAMPLE INFORMATION FORM*

Martel Laboratories JDS Inc. • 1025 Cromwell Bridge Road • Baltimore, MD 21286 • (410) 825-7790 • FAX (410) 821-1054 Email: vk@martellabs.com

MARTEL Log # 63390 Client Code	Sampler J Bradshaw Jr
Client Name/Phone/FAX Monocacy Elementary School	Project Name/#
Client Address	Contract/P.O Number
Invoice Address Provtant	Sample Turnaround Time Routine

Station No./ Sample ID	Station Location	Matrix	Container Description/ Preservation Status	Potentially Hazardous?	# of Containers	Date	Time	Analyses Required/Comments
1	Rm 102 Sink CWT	DRW	950 ml	HNO3	1	12/31/22	3Pm	Lead + Copper
2	Rm 113 Sink CWT	"	"	"	1	"	3:05 Pm	"
3	Health Care Sink CWT	"	"	"	1	"	3:10 Pm	"
4	Faculty Lunch Rm Sink CWT	"	"	"	1	"	3:15 Pm	"
5	Cafeteria Sink CWT	DRW	950 ml	HNO3	1	12/31/22	3Pm	Lead + Copper

Transferred by: [signature]	Received by: [signature]	Date 1-12-23	Time 16:48	Cooler Receipt Information **(LAB USE ONLY)**
Transferred by:	Received by:	Date	Time	Sufficient ice? Yes/No (Yes circled) If No, temp.= 20.0°C
Transferred by:	Received by:	Date	Time	Sample containers pres'd? Yes/No (Yes circled) If No, explain
				Custody Seal present/intact? Yes/No (Yes circled)
				Initials: AJ Date: 1-12-23

Page 3

SUBURBAN TESTING LABS

Results Report

Order ID: 6085456

Singh Operational Services, Inc.
8 Rees Drive
Willowstreet, PA 17584

Project: Monocacy E. S.

Attn: Kaitlyn Secora

Regulatory ID: 1150018

Sample Number: 6085456-01 | Site: Staff Lunch Room Sink | Sample ID:
Collector: GUS | Collect Date: 08/29/2016 7:00 am | Sample Type: D

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Metals									
Copper	0.014	mg/L	EPA 200.8	0.010	1	09/22/16	RPV	09/23/16 21:08	RPV
Lead	< 0.001	mg/L	EPA 200.8	0.001	1	09/22/16	RPV	09/23/16 21:08	RPV

Sample Number: 6085456-02 | Site: Health Room Sink | Sample ID:
Collector: GUS | Collect Date: 08/29/2016 7:06 am | Sample Type: D

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Metals									
Copper	0.017	mg/L	EPA 200.8	0.010	1	09/22/16	RPV	09/23/16 21:11	RPV
Lead	< 0.001	mg/L	EPA 200.8	0.001	1	09/22/16	RPV	09/23/16 21:11	RPV

Sample Number: 6085456-03 | Site: Cafeteria kitchen Sink | Sample ID:
Collector: GUS | Collect Date: 08/29/2016 7:02 am | Sample Type: D

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Metals									
Copper	0.014	mg/L	EPA 200.8	0.010	1	09/22/16	RPV	09/23/16 21:13	RPV
Lead	< 0.001	mg/L	EPA 200.8	0.001	1	09/22/16	RPV	09/23/16 21:13	RPV

Sample Number: 6085456-04 | Site: Room 113 Sink | Sample ID:
Collector: GUS | Collect Date: 08/29/2016 7:08 am | Sample Type: D

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Metals									
Copper	0.011	mg/L	EPA 200.8	0.010	1	09/22/16	RPV	09/23/16 21:15	RPV
Lead	< 0.001	mg/L	EPA 200.8	0.001	1	09/22/16	RPV	09/23/16 21:15	RPV

Sample Number: 6085456-05 | Site: Room 102 Sink | Sample ID:
Collector: GUS | Collect Date: 08/29/2016 7:04 am | Sample Type: D

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Metals									

Report Generated On: 09/28/2016 5:43 pm 6085456
STL_Results Revision #1.6 Effective: 07/09/2014

SUBURBAN TESTING LABS

Sample Number: 6085456-05	Site: Room 102 Sink	Sample ID:
Collector: GUS	Collect Date: 08/29/2016 7:04 am	Sample Type: D

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Metals (Continued)									
90th Percentile									
90th Percentile Copper	0.016	mg/L	Calculation	0.010	1	09/24/16	RPV	09/26/16 18:27	RPV
90th Percentile Lead	< 0.001	mg/L	Calculation	0.001	1	09/24/16	RPV	09/26/16 18:27	RPV
Copper	0.014	mg/L	EPA 200.8	0.010	1	09/22/16	RPV	09/23/16 21:17	RPV
Lead	< 0.001	mg/L	EPA 200.8	0.001	1	09/22/16	RPV	09/23/16 21:17	RPV

Data Qualifiers:

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:
Deborah Hannum
Project Manager

Deborah M. Hannum

Report Generated On: 09/28/2016 5:43 pm 6085456
STL_Results Revision #1.6 Effective: 07/09/2014

SUBURBAN TESTING LABS

610-37!

6085456
Deborah Hannum

TAT (Circle One): Standard 24hr / 48hr / 72hr / Other
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID:

Client Name: Singo Operational Services
Address: 8 Rees Drive
Willow Street, PA 17584
Contact Name: Kaitlyn Secora
Phone: 717-464-7395
Fax:
Email:

Project Name: Monocacy Elementary
Address: 11651 Crabbs Branch Way
Rockville, MD 20855
Payment / P.O. Info:

Comments:
Sampler ID: 9801GS

STL Sample Number	Sample Description / Site ID:	Date Sampled	Time Sampled	Samplers Initials	Test(s) Requested:	Bottle Quantity	Matrix	Sample Type	Bottle Type	Preservative	Comments / Field Data:
	Staff Lunch Room Sink	8/29/16	0700	GrS	Pb/Cu	1	SDWA	D	P	H	PH<2 ok
	Health Room Sink		0706		Pb/Cu	1	SDWA	D	P	H	PH<2 ok
	Cafeteria Kitchen Sink		0702		Pb/Cu	1	SDWA	D	P	H	PH<2 ok
	Room 113 Sink		0708		Pb/Cu	1	SDWA	D	P	H	PH<2 ok
	Room 102 Sink		0704		Pb/Cu	1	SDWA	D	P	H	PH<2 ok
				BKW 8/31/16	~~add sample P/u~~						

Relinquished By:	Date / Time	Temp	Sample Conditions
Relinquished By: [signature], SOS	Date: 8/31/16 Time: 0200		Submitted with COC? (Y) / N
Received By: [signature]	Date: 8-31-16 Time: 10:55	Temp °C: 6.4 C Acceptable: (Y) / N	Number of containers match number on COC? (Y) / N
Relinquished By: [signature]	Date: 8-31-16 Time: 13:00	Temp °C: [illegible] Acceptable: (Y) / N	All containers in tact? (Y) / N
Received in Lab By: B K[signature]	Date: 8/31/16 Time: 1300	Temp °C: ____ Acceptable: (Y) / N	Tests within holding times (Y) / N
			40 mL VOA vials free of headspace? Y / N

Matrix Key
NPW = Non-Potable Water
Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg)
PW = Potable Water (not for SDWA compliance)
SDWA = Safe Drinking Water Act Potable Sample

Sample Type Key
G = Grab
8HC = 8 Hr. Composite
24HC = 24 Hr. Composite

SDWA Sample Types
D=Distribution
E=Entry Point
R=Raw
C=Check
S=Special
M=Maximum Residence

Bottle Type Key
P = Plastic
G = Glass
O = Other

Preservative Key
N = Sodium Thiosulfate
A = Ascorbic Acid
H = HNO_3
C = HCl
S = H_2SO_4
OH = NaOH
O = Other
NA = None Required

Reporting Options
[X] SDWA Reporting
PWSID: 1150015
[ ] Fax
[ ] Email
[ ] Other____
[ ] Return a copy of this form with Report

Signing this form indicates your agreement with STL's Standard Terms and Conditions unless otherwise specified in writing. SLF059 Rev. 1.3 Effective May 16, 2013.
Shaded areas are for STL use only.

PH<2 ok 8-31-16

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- ❍ The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- ❍ The sample bottle must be one liter (or 1000 milliliters) in volume.
- ❍ The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- ❍ The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle cold water tap.

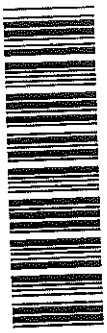
2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marke "1000-mL").
   - ❍ Do not allow the tap to flow prior to collection.
   - ❍ Do not rinse bottle prior to collection.
   - ❍ Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is corre

5. Fill out the bottom portion of this sheet and return with the sample bottle.

6085456
Deborah Hannum



Sample ID#: _____
(should correspond with sample b

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Greg Smith

Address: _____ Telephone #: 7177787322

_____

Sample tap location (kitchen sink, water fountain, etc.): Room 113 Sink

Water last used: Time: 1900 Date: 8/26/16

Sample was collected: Time: 0708 Date: 8/29/16

Length of time water remained in pipes before sample was drawn: 62 hours

Any plumbing changes since the last sample was collected from this location? Yes_____ No X
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

SIGNATURE _____ DATE 8/29/16

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

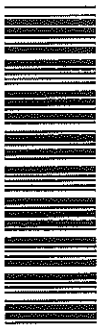
BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- The sample bottle must be one liter (or 1000 milliliters) in volume.
- The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum o 18 hours). This is referred to as a "First Draw" sample.
- The sample must be collected from a COLD water tap.

6086456
Deborah Hannum



DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle i cold water tap.

2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marke "1000-mL").
   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is corre

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: _____
(should correspond with sample bottle label #)

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Greg Smith

Address: _____ Telephone #: _____

Sample tap location (kitchen sink, water fountain, etc.): Cafeteria Kitchen Sink

Water last used: Time: 1700 Date: 8/26/16

Sample was collected: Time: 0700 Date: 8/29/16

Length of time water remained in pipes before sample was drawn: 62 hours

Any plumbing changes since the last sample was collected from this location? Yes_____ No X
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

_____ 8/29/16
SIGNATURE DATE

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

BACKGROUND

A sample is to be collected after an extended period (6 hours) of stagnant water conditions in the building's plumbing. This means the water in the building cannot be used for any reason, including toilet flushing, showers, etc. Due to this requirement, early morning is the best time to collect samples. If your business operates 24 hours per day, contact the Maryland Department of the Environment Water Supply Program at (410) 537-3729. **If your facility is a school, lead/copper samples should be collected while school is in session.**

REQUIREMENTS

- ❍ The sample tap location must be an interior tap from which water is typically drawn for consumption (e.g. kitchen sink, water fountain, etc.).
- ❍ The sample bottle must be one liter (or 1000 milliliters) in volume.
- ❍ The water must stand in the plumbing for a minimum of 6 hours (and a recommended maximum of 18 hours). This is referred to as a "First Draw" sample.
- ❍ The sample must be collected from a COLD water tap.

DIRECTIONS

1. After the water has been dormant in the plumbing for a minimum of 6 hours, place the 1 liter bottle cold water tap.

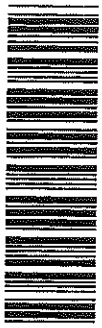
2. Gently open the cold water tap directly into the bottle and fill the bottle to the neck (or line marke "1000-mL").
   - ❍ Do not allow the tap to flow prior to collection.
   - ❍ Do not rinse bottle prior to collection.
   - ❍ Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is corre

5. Fill out the bottom portion of this sheet and return with the sample bottle.

6083456
Deborah Hannum



Sample ID#: _____
(should correspond with sample l

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Greg Smith

Address: _____ Telephone #: 7177787322

Sample tap location (kitchen sink, water fountain, etc.): Health Room Sink

Water last used: Time@ 1700 Date: 8/26/16

Sample was collected: Time: 0706 Date: 8/29/16

Length of time water remained in pipes before sample was drawn: 62 hours

Any plumbing changes since the last sample was collected from this location? Yes____ No X
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

SIGNATURE _____ DATE 8/29/16

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

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   - Do not allow the tap to flow prior to collection.
   - Do not rinse bottle prior to collection.
   - Do not overfill.

3. Tightly cap the sample bottle.

4. Review the sample bottle label to ensure that all of the information contained on the label is correct.

5. Fill out the bottom portion of this sheet and return with the sample bottle.

6085456
Deborah Hannum

Sample ID#: _____
(should correspond with sample bottl

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Greg Smith

Address: _____ Telephone #: 7177783722

Sample tap location (kitchen sink, water fountain, etc.): Staff Lunch Room Sink

Water last used: Time: 1700 Date: 8/26/16

Sample was collected: Time: 0700 Date: 8/29/16

Length of time water remained in pipes before sample was drawn: 62 hours

Any plumbing changes since the last sample was collected from this location? Yes____ No X
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

SIGNATURE _____ DATE 8/29/16

THE LEAD AND COPPER RULE

SAMPLE COLLECTION FORM

For Nonresidential Buildings

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6085456
Deborah Hannum

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4. Review the sample bottle label to ensure that all of the information contained on the label is correct

5. Fill out the bottom portion of this sheet and return with the sample bottle.

Sample ID#: _____
(should correspond with sample bottl

TO BE COMPLETED BY THE PERSON COLLECTING THE SAMPLE:

Name: Greg Smith

Address: _____ Telephone #: 7172787322

_____

Sample tap location (kitchen sink, water fountain, etc.): Room 102 Sink

Water last used: Time: 0700 Date: 8/26/16

Sample was collected: Time: 0704 Date: 8/29/16

Length of time water remained in pipes before sample was drawn: 62 hours

Any plumbing changes since the last sample was collected from this location? Yes_____ No X
(If yes, explain on back of form)

CERTIFICATION:

I have read the above directions and have collected this sample in accordance with these directions

_____ 8/29/16
SIGNATURE DATE