Maryland
Department of the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary

October 07, 2024

Washington County Public Schools
10435 Downsville Pike
Hagerstown, MD 21740

Re: Follow-Up: Per- and Polyfluoroalkyl Substances (PFAS) Phase 5 Sampling
Fountain Rock Elementary, 121-0005

Dear Jonathan Kerns:

Enclosed in this letter are the PFAS results for the samples collected from your system on September 16, 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. All results are below EPA's regulatory standards. Under each PFAS compound are the individual Maximum Contaminant Levels (MCL) or Health Based Water Concentrations (HBWC) in which the EPA regulations are based. For a full breakdown of all 25 PFAS analyte concentrations, refer to the results on the following page.

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	<RL	0.957	<RL	0.683	<RL	<RL	0

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.

No further action is recommended at this time. As mentioned above, your water system will be required to begin monitoring for PFAS by 2027. MDE will be reaching out with further guidance regarding this.

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 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

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Certificate # 3525.02

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: 121-0005-TP01
Submitted By: John Holt
Date Collected: 09/16/2024
Information in this section was not generated by the laboratory

Lab No: PF2500008601
Date Recieved: 09/17/2024
Date Analyzed: 09/27/2024

Analyte	Method	RL	Result †	Uncertainty	Units
PFBA	EPA 533*	2.0	ND	± 25.1%	ppt
PFPeA	EPA 533*	0.5	0.387 †	± 23.2%	ppt
PFHxA	EPA 533*	0.5	0.354 †	± 24.1%	ppt
PFHpA	EPA 533*	0.5	ND	± 24.9%	ppt
PFOA	EPA 533*	0.5	0.356 †	± 26.6%	ppt
PFNA	EPA 533*	0.5	ND	± 26.8	ppt
PFDA	EPA 533*	0.5	ND	± 26.0%	ppt
PFUnDA	EPA 533*	0.5	ND	± 23.6%	ppt
PFDOA	EPA 533*	0.5	ND	± 25.4%	ppt
PFBS	EPA 533*	1.0	0.999 †	± 24.7%	ppt
PFPeS	EPA 533*	1.0	ND	± 21.9%	ppt
PFHxS	EPA 533*	0.5	0.683	± 24.5%	ppt
PFHpS	EPA 533*	0.5	ND	± 25.9%	ppt
PFOS	EPA 533*	0.5	0.957	± 28.7%	ppt
4-2 FTS	EPA 533*	1.5	ND	± 34.3%	ppt
6-2 FTS	EPA 533*	1.0	ND	± 33.6%	ppt
8-2 FTS	EPA 533*	0.5	ND	± 22.5%	ppt
HFPO-DA	EPA 533*	0.5	ND	± 25.7%	ppt
ADONA	EPA 533*	0.5	ND	± 22.6%	ppt
9Cl-PF3ONS	EPA 533*	0.5	ND	± 27.8%	ppt

Approved by: Sadia Mureen
Approval date: 10/01/2024

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)

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Lab No: PF2500008601
Date Recieved: 09/17/2024
Date Analyzed: 09/27/2024

Analyte	Method	RL	Result †	Uncertainty	Units
11Cl-PF3OUdS	EPA 533*	0.5	ND	± 25.1%	ppt
PFEESA	EPA 533*	0.5	ND	± 26.1%	ppt
PFMPA	EPA 533*	0.5	ND	± 18.3%	ppt
PFMBA	EPA 533*	0.5	ND	± 20.7%	ppt
NFDHA	EPA 533*	1.0	ND	± 26.1%	ppt

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FINAL REPORT

Folder No:	PF25000086	Date/Time Logged:	09/17/2024 11:11
Sample ID:	PF2500008601	Temperature Control:	10
Date Received in Lab:	09/17/2024	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:	121-0005-TP01
		Submitted By:	John Holt
		Date Collected:	09/16/2024
Field ID:	121-0005-TP01	Collected By:	John Holt
County:	Washington	County Code:	21
Plant:		Submitter Code:	Water Quality Monitoring Program (Water
Sample Station:		Reason For Testing:	Routine
Site Name:	FOUNTAIN ROCK ELEMENTARY	Data Category Code:	4A-MCL Surveys
Sample Source:	17145 LAPPANS RD	Regulation Supported:	NPDES
Location:	FOUNTAIN ROCK EL WTP -WELL	Federal Project:	Safe Drinking Water Act (SDWA) (Safe Dr
Long/Lat:			
Sample Preserved By:	Ammonium chloride	Sample Type:	Drinking Water
Sample pH:	6.9	System Type:	Non-Community
Free Chlorine:	1.5	Source Descriptor:	Water Treatment Plant POE
Total Chlorine:	1.7		
Comment:		Collector Phone:	(410) 446-7432
		Collection Date/Time:	09/16/2024 12:00

Analysis Requested
DW PFAS - 533

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Approved by: Sadia Mureen Approval date: 10/01/2024

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ANNAPOLIS, MD 21401

Field ID: 121-0005-TP01FB
Submitted By: John Holt
Date Collected: 09/16/2024
Information in this section was not generated by the laboratory

Lab No: PF2500008605
Date Recieved: 09/17/2024
Date Analyzed: 09/23/2024

Analyte	Method	RL	Result †	Uncertainty	Units
PFBA	EPA 533*	2.0	ND	± 25.1%	ppt
PFPeA	EPA 533*	0.5	ND	± 23.2%	ppt
PFHxA	EPA 533*	0.5	ND	± 24.1%	ppt
PFHpA	EPA 533*	0.5	ND	± 24.9%	ppt
PFOA	EPA 533*	0.5	ND	± 26.6%	ppt
PFNA	EPA 533*	0.5	ND	± 26.8	ppt
PFDA	EPA 533*	0.5	ND	± 26.0%	ppt
PFUnDA	EPA 533*	0.5	ND	± 23.6%	ppt
PFDOA	EPA 533*	0.5	ND	± 25.4%	ppt
PFBS	EPA 533*	1.0	ND	± 24.7%	ppt
PFPeS	EPA 533*	1.0	ND	± 21.9%	ppt
PFHxS	EPA 533*	0.5	ND	± 24.5%	ppt
PFHpS	EPA 533*	0.5	ND	± 25.9%	ppt
PFOS	EPA 533*	0.5	0.193 †	± 28.7%	ppt
4-2 FTS	EPA 533*	1.5	ND	± 34.3%	ppt
6-2 FTS	EPA 533*	1.0	ND	± 33.6%	ppt
8-2 FTS	EPA 533*	0.5	ND	± 22.5%	ppt
HFPO-DA	EPA 533*	0.5	ND	± 25.7%	ppt
ADONA	EPA 533*	0.5	ND	± 22.6%	ppt
9Cl-PF3ONS	EPA 533*	0.5	ND	± 27.8%	ppt

Approved by: Sadia Mureen
Approval date: 10/01/2024

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416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Field ID: 121-0005-TP01FB
Submitted By: John Holt
Date Collected: 09/16/2024
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Lab No: PF2500008605
Date Recieved: 09/17/2024
Date Analyzed: 09/23/2024

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PFMPA	EPA 533*	0.5	ND	± 18.3%	ppt
PFMBA	EPA 533*	0.5	ND	± 20.7%	ppt
NFDHA	EPA 533*	1.0	ND	± 26.1%	ppt

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Sample ID:	PF2500008605	Temperature Control:	10
Date Received in Lab:	09/17/2024	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:	121-0005-TP01FB
		Submitted By:	John Holt
		Date Collected:	09/16/2024
Field ID:	121-0005-TP01FB	Collected By:	John Holt
County:	Washington	County Code:	21
Plant:		Submitter Code:	Water Quality Monitoring Program (Water
Sample Station:		Reason For Testing:	Routine
Site Name:	FOUNTAIN ROCK ELEMENTARY	Data Category Code:	4A-MCL Surveys
Sample Source:	17145 LAPPANS RD	Regulation Supported:	
Location:	FOUNTAIN ROCK EL WTP -WELL	Federal Project:	Safe Drinking Water Act (SDWA) (Safe Dr
Long/Lat:			
Sample Preserved By:	Ammonium chloride	Sample Type:	Drinking Water
Sample pH:	6.9	System Type:	Non-Community
Free Chlorine:	1.5	Source Descriptor:	Water Treatment Plant POE
Total Chlorine:	1.7		
Comment:	Field Blank (expiration 9/5/24)	Collector Phone:	(410) 446-7432
		Collection Date/Time:	09/16/2024 12:00

Analysis Requested
DW PFAS - 533

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