



October 07, 2024

Washington County Public Schools
10435 Downsview Pike
Hagerstown, MD 21740

**Re: Follow-Up: Per- and Polyfluoroalkyl Substances (PFAS) Phase 5 Sampling
Greenbrier Elementary School, 121-0006**

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
	<i>MCL – 4.0 ppt</i>	<i>MCL – 4.0 ppt</i>	<i>HBWC - 2000 ppt</i>	<i>MCL - 10 ppt</i>	<i>MCL - 10 ppt</i>	<i>MCL - 10 ppt</i>	<i>HI - 1.0</i>
TP01	1.39	3.0	1.27	1.13	<RL	<RL	0.11

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



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: 121-0006-TP01

Submitted By: John Holt

Date Collected: 09/16/2024

Information in this section was not generated by the laboratory

Lab No: PF2500008604

Date Received: 09/17/2024

Date Analyzed: 09/25/2024

Analyte	Method	RL	Result [†]	Uncertainty	Units
PFBA	EPA 533*	2.0	1.08 [†]	± 25.1%	ppt
PFPeA	EPA 533*	0.5	0.251 [†]	± 23.2%	ppt
PFHxA	EPA 533*	0.5	0.325 [†]	± 24.1%	ppt
PFHpA	EPA 533*	0.5	0.301 [†]	± 24.9%	ppt
PFOA	EPA 533*	0.5	1.39	± 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	1.27	± 24.7%	ppt
PFPeS	EPA 533*	1.0	ND	± 21.9%	ppt
PFHxS	EPA 533*	0.5	1.13	± 24.5%	ppt
PFHpS	EPA 533*	0.5	ND	± 25.9%	ppt
PFOS	EPA 533*	0.5	3.00	± 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
9CI-PF3ONS	EPA 533*	0.5	ND	± 27.8%	ppt

Approved by:

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)

This document may contain information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (443) 681-3851 and arrange for return or destruction.



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



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416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

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Submitted By: John Holt

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<u>Analyte</u>	<u>Method</u>	<u>RL</u>	<u>Result</u> [†]	<u>Uncertainty</u>	<u>Units</u>
11CI-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

Approved by:

Sadia Muneeb

Approval date: 10/01/2024

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PF2500008604

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CHEMICAL EMERGENCY PREPAREDNESS AND RESPONSE LABORATORY

Certificate of Analysis

FINAL REPORT

Folder No:	PF25000086	Date/Time Logged:	09/17/2024 11:11
Sample ID:	PF2500008604	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: 121-0006-TP01
Submitted By: John Holt
Date Collected: 09/16/2024

Field ID: 121-0006-TP01
County: Washington

Collected By: John Holt
County Code: 21

Plant:
Sample Station:
Site Name: GREENBRIER ELEMENTARY SCH
Sample Source: 21222 SAN MAR RD
Location: WTP 1- GREENBRIER ES
Long/Lat:

Submitter Code: Water Quality Monitoring Program (Water
Reason For Testing: Routine
Data Category Code: 4A-MCL Surveys
Regulation Supported:
Federal Project: Safe Drinking Water Act (SDWA) (Safe Dr

Sample Preserved By: Ammonium chloride
Sample pH: 7
Free Chlorine: 0.2
Total Chlorine: 0.3
Comment:

Sample Type: Drinking Water
System Type: Non-Community
Source Descriptor: Water Treatment Plant POE

Collector Phone: (410) 446-7432
Collection Date/Time: 09/16/2024 11:00

Analysis Requested
DW PFAS - 533

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Approval date: 10/01/2024

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FINAL REPORT

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

Field ID: 121-0006-TP01FB

Submitted By: John Holt

Date Collected: 09/16/2024

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Lab No: PF2500008603

Date Received: 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	0.167 [†]	± 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
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ADONA	EPA 533*	0.5	ND	± 22.6%	ppt
9CI-PF3ONS	EPA 533*	0.5	ND	± 27.8%	ppt

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FINAL REPORT

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416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Field ID: 121-0006-TP01FB

Submitted By: John Holt

Date Collected: 09/16/2024

Information in this section was not generated by the laboratory

Lab No: PF2500008603

Date Recieved: 09/17/2024

Date Analyzed: 09/23/2024

<u>Analyte</u>	<u>Method</u>	<u>RL</u>	<u>Result</u> [†]	<u>Uncertainty</u>	<u>Units</u>
11CI-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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Sample ID:	PF2500008603	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: 121-0006-TP01FB
Submitted By: John Holt
Date Collected: 09/16/2024

Field ID: 121-0006-TP01FB
County: Washington

Collected By: John Holt
County Code: 21

Plant:
Sample Station:
Site Name: GREENBRIER ELEMENTARY SCH
Sample Source: 21222 SAN MAR RD
Location: WTP 1- GREENBRIER ES
Long/Lat:

Submitter Code: Water Quality Monitoring Program (Water
Reason For Testing: Routine
Data Category Code: 4A-MCL Surveys
Regulation Supported:
Federal Project: Safe Drinking Water Act (SDWA) (Safe Dr

Sample Preserved By: Ammonium chloride
Sample pH: 7
Free Chlorine: 0.2
Total Chlorine: 0.3
Comment: Field Blank (expiration 9/5/24)

Sample Type: Drinking Water
System Type: Non-Community
Source Descriptor: Water Treatment Plant POE
Collector Phone: (410) 446-7432
Collection Date/Time: 09/16/2024 11:00

Analysis Requested
DW PFAS - 533

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