

May 17, 2023

Wayland Union Schools
324 West Sycamore
Wayland, MI 49348

RE: Dorr Elem (WSSN 2003803)

Order No.: 2305109

Dear Mr. John Huyck:

[Guide to Reading Lab Result](#)

Prein&Newhof Laboratory received 2 sample(s) on 5/2/2023 on your behalf. Your test results are provided in your Prein&Newhof Laboratory analytical report. Please carefully review your analytical report, noting the following.

- You can be assured that the sample results meet the Safe Drinking Water Criteria as no analyte tested exceeds the EPA Maximum Contaminant Level unless indicated by an " * " in the "Qual" column.
- You can be assured that all samples were received and analyzed within required holding times unless noted by a "H" in the "Qual" column.
- You can be assured that all quality control data is within laboratory-defined or method-specified acceptance limits unless defined by the addition of an attached Case Narrative document.
- When testing for PFHxS, PFOA, PFOS, MeFOSAA, and EtFOSAA results include both branched and linear isotopes. We extract a Method Blank and analyze it with the preparation batch. Method Blank analytes are within the Reporting Limit (RL).

We use EPA Approved Methods for all regulated parameters. EPA Lab #: MI000014

We are certified by the State of Michigan for Drinking Water Analysis for: Coliform Bacteria, Metals, Cyanide, Minerals, Anions, Volatile Organics, THM's, Haloacetic Acids, and PFAS.
Michigan Lab ID#: 0020

To learn more about interpreting your Drinking Water Test Results and reading your Lab Report, follow the link above to view our "Guide to Reading Lab Results". If you have any concerns about your test results or need additional help, please call: 616-364-7600 or email me: sbylsma@preinnewhof.com.

Thank you for trusting Prein&Newhof with your testing needs.

Sincerely,



Steve Bylsma
Laboratory Manager

CC:
Mr. Matt Baird
Ms. Kathy Chesebro

Case Narrative

WO#: 2305109

Date: 5/17/2023

CLIENT: Wayland Union Schools

Project: Dorr Elem (WSSN 2003803)

WorkOrder Narrative:

2305109: Any comments or problems with the analytical events associated with this report are noted below.

WorkOrder Comments:

2305109: Recovery for the surrogate d5-NEtFOSAA is outside method required quality control acceptance limits due to possible matrix interference. The sample was reanalyzed and reported per method requirements.

CLIENT: Wayland Union Schools
Project: Dorr Elem (WSSN 2003803)
Lab ID: 2305109-01
Client Sample ID: 324 W. Sycamore St
Location:

Collection Date: 5/2/2023 10:25:00 AM
Received Date: 5/2/2023 11:07:00 AM
Matrix: DRINKING WATER
Sampled By: Kathy C.

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
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PFAS, DRINKING WATER

EPA 537.1

Analyst: **JS**

PFBS	3.2	2.0		ng/L	420	5/10/2023 5:07:00 PM
PFHxA	2.8	2.0		ng/L	400000	5/10/2023 5:07:00 PM
HFPO-DA	< 2.0	2.0		ng/L	370	5/10/2023 5:07:00 PM
PFHxS	< 2.0	2.0		ng/L	51	5/10/2023 5:07:00 PM
PFHpA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
ADONA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
PFOA	3.7	2.0		ng/L	8.0	5/10/2023 5:07:00 PM
PFOS	< 2.0	2.0		ng/L	16	5/10/2023 5:07:00 PM
PFNA	< 2.0	2.0		ng/L	6.0	5/10/2023 5:07:00 PM
9CI-PF3ONS	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
PFDA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
NMeFOSAA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
NEtFOSAA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
PFUnA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
11CI-PF3OUdS	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
PFDaA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
PFTTrDA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
PFTA	< 2.0	2.0		ng/L		5/10/2023 5:07:00 PM
Surr: d5-N-EtFOSSA	65.8	70 - 130	S	%Rec		5/10/2023 5:07:00 PM
Surr: M3HFPO-DA	112	70 - 130		%Rec		5/10/2023 5:07:00 PM
Surr: MPFDA	72.8	70 - 130		%Rec		5/10/2023 5:07:00 PM
Surr: MPFHxA	87.8	70 - 130		%Rec		5/10/2023 5:07:00 PM

Qualifiers: < Not Detected at the Reporting Limit
MCL Maximum Contaminant Level
RL Reporting Limit

H Holding times for preparation or analysis exceeded
PL Permit Limit
S Spike Recovery outside accepted recovery limits

CLIENT:	Wayland Union Schools	Collection Date	5/2/2023 10:25:00 AM
Project:	Dorr Elem (WSSN 2003803)	Received Date:	5/2/2023 11:07:00 AM
Lab ID:	2305109-02	Matrix:	BLANK
Client Sample ID:	Field Blank	Sampled By:	Kathy C.
Location:			

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
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PFAS, DRINKING WATER

EPA 537.1

Analyst: **JS**

PFBS	< 2.0	2.0		ng/L	420	5/10/2023 1:48:00 PM
PFHxA	< 2.0	2.0		ng/L	400000	5/10/2023 1:48:00 PM
HFPO-DA	< 2.0	2.0		ng/L	370	5/10/2023 1:48:00 PM
PFHxS	< 2.0	2.0		ng/L	51	5/10/2023 1:48:00 PM
PFHpA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
ADONA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
PFOA	< 2.0	2.0		ng/L	8.0	5/10/2023 1:48:00 PM
PFOS	< 2.0	2.0		ng/L	16	5/10/2023 1:48:00 PM
PFNA	< 2.0	2.0		ng/L	6.0	5/10/2023 1:48:00 PM
9CI-PF3ONS	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
PFDA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
NMeFOSAA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
NEtFOSAA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
PFUnA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
11CI-PF3OUdS	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
PFDaA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
PFTrDA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
PFTA	< 2.0	2.0		ng/L		5/10/2023 1:48:00 PM
Surr: d5-N-EtFOSSA	101	70 - 130		%Rec		5/10/2023 1:48:00 PM
Surr: M3HFPO-DA	116	70 - 130		%Rec		5/10/2023 1:48:00 PM
Surr: MPFDA	101	70 - 130		%Rec		5/10/2023 1:48:00 PM
Surr: MPFHxA	93.8	70 - 130		%Rec		5/10/2023 1:48:00 PM

Qualifiers:

- < Not Detected at the Reporting Limit
- MCL Maximum Contaminant Level
- RL Reporting Limit

- H Holding times for preparation or analysis exceeded
- PL Permit Limit
- S Spike Recovery outside accepted recovery limits

3260 Evergreen Drive, NE
 Grand Rapids, MI 49525
 t. 616-364-7600
 f. 616-364-4222

Wastewater W
 Drinking Water D
 Groundwater G
 Soil S
 Sludge L
 Other X

Client: Wayland Union Schools
 Billing Address: 324 W. Spawmores St. Wayland
 Phone Number: 248 269.7922
 Project Name: Donerle
 Project Number: 2003803
 Email Results To: chesbrook@waylandunion.org
 Sampling Personnel: Kathy Chesbrook

CHAIN OF CUSTODY

LAB USE	Sample Information		Sample Description and Location (e.g. MW-1)	MATRIX						Preservative					Analysis Requested									
	Date Collected	Time Collected		None	H2SO4	HNO3	HCL	NaOH	Other															
5109-1	5/2/23	10:56a	At Well Donerle field blank																					
-2																								

Comments:

Relinquished By: (Signature) <i>Kathy Chesbrook</i>		Date 5/2/23	Time 11:07a	Received By: (Signature) <i>FC</i>		Date	Time
Relinquished By: (Signature)		Date	Time	Received By: (Signature)		Date	Time
Received for Laboratory By: <i>S. Dier</i>		Date 5/2/23	Time 11:07	Data Package Relinquished By:		Date	Time