

Town of Peshtigo
Attn: Chairperson Jennifer Friday
W2435 Old Peshtigo Rd
Marinette, WI 54143

Arcadis U.S., Inc.
790 North Milwaukee Street
Suite 100A
Milwaukee
Wisconsin 53202
www.arcadis.com

Subject: Groundwater Sampling Results
Madsen Road Right-of-Way, Town of Peshtigo, Wisconsin
Date: 2/23/2026

Dear Chairperson Jennifer Friday,

As you are aware, Arcadis U.S., Inc. (Arcadis) collected a groundwater sample from a monitoring well located within the Madsen Road Right-of-Way on January 21, 2026. We recorded the sample's location, date, and other information and had the sample tested at an accredited, independent laboratory. That testing is now complete.

Laboratory results for this sample are summarized in the attached table. The full results from the laboratory¹ are included with this letter.

Thank you for your patience and assistance with our investigation. We will continue to provide updates to the community as our work continues.

If you have any questions or want to discuss these results further, please call the toll-free number that has been set up for this matter (800) 314-1381. Contact information for the Wisconsin Department of Natural Resources (WDNR) and Wisconsin Department of Health Services (WDHS) is provided below if you have other questions.

WDNR Alyssa Sellwood 608-622-8606 Alyssa.Sellwood@wisconsin.gov
<http://dnr.wisconsin.gov/topic/Contaminants/PFAS.html>

WDHS Amanda Koch 608-405-2292 Amanda.Koch@dhs.wi.gov
<http://www.dhs.wisconsin.gov/chemical/pfas.htm>

Sincerely,
Arcadis U.S., Inc.



Matthew Coleman
Project Communications Manager

Enc. Results Summary Table
 Sampling Location Figure
 Laboratory Results

¹ The attached preliminary laboratory report from TestAmerica Laboratories, Inc. includes sample results and summary quality control/quality assurance (QA/QC) forms associated with the samples. Pages containing sample results and associated QA/QC results that are not associated with this address have been removed from the report.

Table 1
Sampling Results
Tyco Fire Technology Center



Analyte	Wisconsin DHS Recommended Standards February 2025 (in Rulemaking/Not Yet Adopted) ⁽¹⁾	Location Sample ID Sample Date	MW-100-32 MW-100-32 (012126) 01/21/2026
Analyte		Units	
PFBA	--	ng/L	3.9
PFPeA	--	ng/L	< 1.6 U
PFHxA	--	ng/L	3.0
PFHpA	--	ng/L	1.5 J
PFOA	4	ng/L	3.6
PFNA	10	ng/L	< 1.6 U
PFDA	--	ng/L	< 1.6 U
PFUnA	--	ng/L	< 1.6 U
PFDoA	--	ng/L	< 1.6 U
PFTriA	--	ng/L	< 1.6 U
PFTeA	--	ng/L	< 1.6 U
PFBS	2,000	ng/L	< 1.6 U
PFPeS	--	ng/L	< 1.6 U
PFHxS	10	ng/L	0.49 J
PFHpS	--	ng/L	< 1.6 U
PFOS	4	ng/L	< 1.6 U
PFNS	--	ng/L	< 1.6 U
PFDS	--	ng/L	< 1.6 U
PFDoS	--	ng/L	< 1.6 U
4:2 FTS	--	ng/L	< 3.2 U
6:2 FTS	--	ng/L	< 3.2 U
8:2 FTS	--	ng/L	< 3.2 U
FOSA	--	ng/L	< 1.6 U
NMeFOSA	--	ng/L	< 1.6 U
NEtFOSA	--	ng/L	< 1.6 U
NMeFOSAA	--	ng/L	< 1.6 U
NEtFOSAA	--	ng/L	< 1.6 U
NMeFOSE	--	ng/L	< 8.1 U
NEtFOSE	--	ng/L	< 8.1 U
PFMPA	--	ng/L	< 1.6 U
PFMBA	--	ng/L	< 1.6 U
NFDHA	--	ng/L	< 1.6 UJ-
HFPO-DA	10	ng/L	< 1.2 U
DONA	--	ng/L	< 1.6 U
PFEESA	--	ng/L	< 1.6 U
9Cl-PF3ONS	--	ng/L	< 1.6 U
11Cl-PF3OUdS	--	ng/L	< 1.6 U
3:3 FTCA	--	ng/L	< 3.2 U
5:3 FTCA	--	ng/L	< 8.1 U
7:3 FTCA	--	ng/L	< 8.1 U

Notes:

< = Compound not detected at reporting detection limit.

(1) = In February 2025, Wisconsin DHS recommended individual groundwater standards of 4 nanograms per liter (ng/L) for PFOA and PFOS, 10 ng/L for perfluorohexanesulfonic acid (PFHxS), perfluorononanoic acid (PFNA), and hexafluoropropylene oxide dimer acid (HFPO-DA), and 2,000 ng/L for perfluorobutanesulfonic acid (PFBS). Following the February 2025 WDHS recommendation, the WDNr Secretary and the Governor signed the WDNr scope statement and the WDNr has initiated the rulemaking process for these proposed groundwater standards.

-- = No standard

ng/L = nanograms per liter

J = The analyte was positively identified; however the associated numerical value is an estimated concentration only

UJ- = The analyte was analyzed for but was not detected. The reported reporting limit (RL) is approximate and may be inaccurate or imprecise

U = The analyte was analyzed for but the result was not detected above the method detection limit.

Chemical Abbreviation:

PFBA = Perfluorobutanoic acid
 PFPeA = Perfluoropentanoic acid
 PFHxA = Perfluorohexanoic acid
 PFHpA = Perfluoroheptanoic acid
 PFOA = Perfluorooctanoic acid
 PFNA = Perfluorononanoic acid
 PFDA = Perfluorodecanoic acid
 PFUnA = Perfluoroundecanoic acid
 PFDoA = Perfluorododecanoic acid
 PFTriA = Perfluorotridecanoic acid
 PFTeA = Perfluorotetradecanoic acid
 PFBS = Perfluorobutanesulfonic acid
 PFPeS = Perfluoropentanesulfonic acid
 PFHxS = Perfluorohexanesulfonic acid
 PFHpS = Perfluoroheptanesulfonic acid
 PFOS = Perfluorooctanesulfonic acid
 PFNS = Perfluorononanesulfonic acid
 PFDS = Perfluorodecanesulfonic acid
 PFDoS = Perfluorododecanesulfonic acid
 4:2 FTS = 4:2 Fluorotelomer sulfonic acid

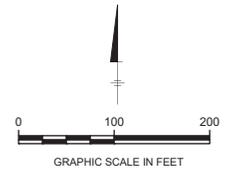
6:2 FTS = 6:2 Fluorotelomer sulfonic acid
 8:2 FTS = 8:2 Fluorotelomer sulfonic acid
 FOSA = Perfluorooctane sulfonamide
 NMeFOSA = N-Methyl perfluorooctane sulfonamide
 NEtFOSA = N-Ethyl perfluorooctane sulfonamide
 NMeFOSAA = N-Methyl perfluorooctane sulfonamidoacetic acid
 NEtFOSAA = N-Ethyl perfluorooctane sulfonamidoacetic acid
 NMeFOSE = N-Methyl perfluorooctane sulfonamidoethanol
 NEtFOSE = N-Ethyl perfluorooctane sulfonamidoethanol
 PFMPA = Perfluoro-3-methoxypropanoic acid
 PFMBA = Perfluoro-4-methoxybutanoic acid
 NFDHA = Nonafluoro-3,6-dioxahexanoic acid
 HFPO-DA = Hexafluoropropylene oxide dimer acid
 DONA = 4,8-Dioxa-3H-perfluorononanoic acid
 PFEESA = Perfluoro(2-ethoxyethane)sulfonic acid
 9Cl-PF3ONS = 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
 11Cl-PF3OUdS = 11-chloroicosadecafluoro-3-oxaundecane-1-sulfonic acid
 3:3 FTCA = 3-Perfluoropropyl propanoic acid
 5:3 FTCA = 2H,2H,3H,3H-Perfluorooctanoic acid
 7:3 FTCA = 3-Perfluoroheptyl propanoic acid

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LEGEND:
● OVERBURDEN MONITORING WELL
— ROAD

NOTES:
1. AERIAL IMAGERY GOOGLE EARTH.



TYCO FIRE TECHNOLOGY CENTER MARINETTE, WISCONSIN	
MONITORING LOCATION	
	FIGURE 1

Client Sample Results

Client: Arcadis US Inc.
 Project/Site: Marinette, WI 30307445 4.2.1 GW

Job ID: 500-280987-1

Client Sample ID: MW-100-32 (012126)

Lab Sample ID: 500-280987-4

Date Collected: 01/21/26 14:50

Matrix: Water

Date Received: 01/23/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.9		3.2	0.30	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoropentanoic acid (PFPeA)	<1.6		1.6	0.19	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorohexanoic acid (PFHxA)	3.0		1.6	0.22	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoroheptanoic acid (PFHpA)	1.5 J		1.6	0.28	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorooctanoic acid (PFOA)	3.6		1.6	0.32	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorononanoic acid (PFNA)	<1.6		1.6	0.37	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorodecanoic acid (PFDA)	<1.6		1.6	0.36	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoroundecanoic acid (PFUnA)	<1.6		1.6	0.18	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorododecanoic acid (PFDoA)	<1.6		1.6	0.45	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorotridecanoic acid (PFTriA)	<1.6		1.6	0.47	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorotetradecanoic acid (PFTeA)	<1.6		1.6	0.65	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorobutanesulfonic acid (PFBS)	<1.6		1.6	0.44	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoropentanesulfonic acid (PFPeS)	<1.6		1.6	0.17	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorohexanesulfonic acid (PFHxS)	0.49 J		1.6	0.20	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.6		1.6	0.14	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorooctanesulfonic acid (PFOS)	<1.6		1.6	0.22	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorononanesulfonic acid (PFNS)	<1.6		1.6	0.25	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorodecanesulfonic acid (PFDS)	<1.6		1.6	0.25	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorododecanesulfonic acid (PFDoS)	<1.6		1.6	0.43	ng/L		01/27/26 21:23	01/30/26 04:09	1
4:2 FTS	<3.2		3.2	0.35	ng/L		01/27/26 21:23	01/30/26 04:09	1
6:2 FTS	<3.2		3.2	0.33	ng/L		01/27/26 21:23	01/30/26 04:09	1
8:2 FTS	<3.2		3.2	0.72	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluorooctanesulfonamide (FOSA)	<1.6		1.6	0.18	ng/L		01/27/26 21:23	01/30/26 04:09	1
NMeFOSA	<1.6		1.6	0.31	ng/L		01/27/26 21:23	01/30/26 04:09	1
NEtFOSA	<1.6		1.6	0.36	ng/L		01/27/26 21:23	01/30/26 04:09	1
NMeFOSAA	<1.6		1.6	0.28	ng/L		01/27/26 21:23	01/30/26 04:09	1
NEtFOSAA	<1.6		1.6	0.36	ng/L		01/27/26 21:23	01/30/26 04:09	1
NMeFOSE	<8.1		8.1	1.8	ng/L		01/27/26 21:23	01/30/26 04:09	1
NEtFOSE	<8.1		8.1	2.0	ng/L		01/27/26 21:23	01/30/26 04:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.2		1.2	0.32	ng/L		01/27/26 21:23	01/30/26 04:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.6		1.6	0.32	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.6		1.6	0.15	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.6		1.6	0.21	ng/L		01/27/26 21:23	01/30/26 04:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.6 F2		1.6	0.58	ng/L		01/27/26 21:23	01/30/26 04:09	1
F-53B Major	<1.6		1.6	0.47	ng/L		01/27/26 21:23	01/30/26 04:09	1
F-53B Minor	<1.6		1.6	0.24	ng/L		01/27/26 21:23	01/30/26 04:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.6		1.6	0.20	ng/L		01/27/26 21:23	01/30/26 04:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	<3.2		3.2	0.58	ng/L		01/27/26 21:23	01/30/26 04:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	<8.1		8.1	1.4	ng/L		01/27/26 21:23	01/30/26 04:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	<8.1		8.1	1.0	ng/L		01/27/26 21:23	01/30/26 04:09	1

Eurofins Chicago

Client Sample Results

Client: Arcadis US Inc.
 Project/Site: Marinette, WI 30307445 4.2.1 GW

Job ID: 500-280987-1

Client Sample ID: MW-100-32 (012126)

Lab Sample ID: 500-280987-4

Date Collected: 01/21/26 14:50

Matrix: Water

Date Received: 01/23/26 09:15

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.1		5 - 130	01/27/26 21:23	01/30/26 04:09	1
13C5 PFPeA	93.7		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C5 PFHxA	95.8		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C4 PFHpA	94.6		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C8 PFOA	107		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C9 PFNA	110		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C6 PFDA	102		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C7 PFUnA	107		30 - 130	01/27/26 21:23	01/30/26 04:09	1
13C2 PFDoA	92.0		10 - 130	01/27/26 21:23	01/30/26 04:09	1
13C2 PFTeDA	90.5		10 - 130	01/27/26 21:23	01/30/26 04:09	1
13C3 PFBS	106		40 - 135	01/27/26 21:23	01/30/26 04:09	1
13C3 PFHxS	98.8		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C8 PFOS	102		40 - 130	01/27/26 21:23	01/30/26 04:09	1
13C8 FOSA	100		40 - 130	01/27/26 21:23	01/30/26 04:09	1
d3-NMeFOSAA	80.6		40 - 170	01/27/26 21:23	01/30/26 04:09	1
d5-NEtFOSAA	73.6		25 - 135	01/27/26 21:23	01/30/26 04:09	1
M2-4:2 FTS	205	*5+	40 - 200	01/27/26 21:23	01/30/26 04:09	1
M2-6:2 FTS	110		40 - 200	01/27/26 21:23	01/30/26 04:09	1
M2-8:2 FTS	93.3		40 - 300	01/27/26 21:23	01/30/26 04:09	1
13C3 HFPO-DA	101		40 - 130	01/27/26 21:23	01/30/26 04:09	1
d7-N-MeFOSE-M	85.1		10 - 130	01/27/26 21:23	01/30/26 04:09	1
d9-N-EtFOSE-M	66.0		10 - 130	01/27/26 21:23	01/30/26 04:09	1
d5-NEtPFOSA	78.2		10 - 130	01/27/26 21:23	01/30/26 04:09	1
d3-NMePFOSA	86.5		10 - 130	01/27/26 21:23	01/30/26 04:09	1