



Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520  
800-278-1254 • [www.nlslab.com](http://www.nlslab.com)

June 25, 2024

Mark Pauli  
Wisconsin Dept of Natural Res - Madison  
107 Sutliff Ave  
Rhineland, WI 54501

Project: 2024 0.5 Expanded Zone (Starks/Stella)  
Project Number: Mark W. Schwaller Tr ETAL - 3148 E. Cottage Road  
Work Order: CC06579  
Received: 06/14/24

Enclosed are the results of analyses for samples received by our laboratory on 6/14/2024. If you have any questions concerning this report, please feel free to contact a client service representative at [clientservices@nlslab.com](mailto:clientservices@nlslab.com).

Sincerely,

A handwritten signature in black ink that reads "Steven M. Hefter".

Steven M. Hefter For Client Services  
Northern Lake Service, Inc.



Wisconsin Dept of Natural Res - Madison  
107 Sutliff Ave  
Rhineland, WI 54501

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**Reported:**  
6/25/24 15:10

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CC06579

### Sample Summary

Descriptions of all qualifiers listed throughout this report can be found on the Qualifiers and Definitions Page.

Lab ID	Sample	Matrix	Qualifiers	Date Sampled	Date Received
CC06579-01	Kitchen Sink	DW		6/14/24 9:30	6/14/24 10:00
CC06579-02	Kitchen Sink Field Blank	DW		6/14/24 9:30	6/14/24 10:00

#### Analysis Qualifiers:

LabNumber	Analysis	Qualifier
CC06579-01	537.1 Perfluorinated Chemicals by LC/MS/MS	FBNA1

#### Cancelled Tests:

Lab ID	Sample	Analysis	Cancelled	Initials
CC06579-02	Kitchen Sink Field Blank	Perfluorinated Chemicals by EPA Method 537.1 FB	6/21/24 12:27	CSC



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**Sample Results**

**Sample: Kitchen Sink**

**CC06579-01 (DW) Sampled: 06/14/24 09:30**

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
<b>Semi-Volatiles</b>											
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.31	1.0		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.48	1.6		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.42	1.4		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.95	3.1		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.66	2.2		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.66	2.2		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.74	2.5		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.55	1.9		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.64	2.1		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		0.55	1.9		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		0.51	1.7		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.65	2.2		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.53	1.8		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		0.48	1.6		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.49	1.7		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.55	1.9		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTTrDA)	ND		0.55	1.9		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.53	1.8		ng/L	6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	94%		Limits: 70-130%				6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	97%		Limits: 70-130%				6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	98%		Limits: 70-130%				6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	89%		Limits: 70-130%				6/20/24 5:38	6/20/24 15:59	RAW	EPA 537.1, Rev 2.0	2



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### List of Certifications

<b>Code</b>	<b>Description</b>	<b>Number</b>	<b>Expires</b>
2	NLS (Crandon) WDNR Laboratory ID No.	721026460	8/31/24



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### Qualifiers and Definitions

Item	Definition
FBNA1	The field sample had no detects at or greater than the minimum reporting limit of 2.0 ng/L, per method requirements the corresponding field reagent blank was not required to be analyzed.
J	Result is between LOD and LOQ and considered to be within a region of less-certain quantitation.
ND	Analyte NOT DETECTED at or above the LOD or MRL.
LOD	Limit of Detection.
LOQ	Limit of Quantitation.
NA	Not Applicable.
Dry	Dry Weight Basis.
Wet	Wet Weight Basis.
% Dry	Equal to: (mg/kg dry) / 10000.
1000 ug/L	Equal to: 1 mg/L.
MCL	Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.
RPD	Relative Percent Difference.
%REC	Percent Recovery.
Source	Sample that was matrix spiked or duplicated.

All LOD/LOQs adjusted to reflect preparation volumes, dilutions, and/or solids content.

# Sample Collection Record

## Town of Stella-Starks Expanded PFAS (537.1) Sampling Project

Return your sample no later than 2 days after collection to:

Northern Lake Service  
400 N Lake Ave  
Crandon, WI 54520

Please provide the following information:

Name: Mark W Schwaller Tr ETAL

Address: 3148 E. Cottage Rd.

City/State/Zip: Rhineland, WI 54501

Phone: 262-470-3378

Sample Collection Date: 6-14-24 Sample Collection Time: 9:30 AM PM

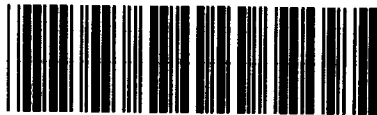
Sample Collection Location (ex. Kitchen Sink): Kitchen Sink

Sample Collected By (Signature): Mark W Schwaller

\*\*Per EPA 537.1, each sample set **must** be accompanied by a field blank. The purpose of the field blank is to allow for the identification of potential contamination during sample collection and handling.

Final results will be reported directly to the Wisconsin DNR. WDNR will review, interpret, and inform residents of further action. **DO NOT CONTACT NORTHERN LAKE SERVICE DIRECTLY FOR SAMPLE RESULTS.**

CC06579



### Laboratory use only:

Received at NLS by (Signature): Starks Date/Time: 6/14/24 10am EST

Method of Delivery: walk-in Condition (on ice / no ice) ICE packs

Receiving Temperature (°C) 10.4 Thermometer # Re-10

Cooling EST

Wisconsin Department of Natural  
Resources  
Bureau of Drinking Water and Groundwater  
P.O. Box 7921, DG/5  
Madison, WI 53707

Wisconsin Department of Health Services  
Bureau of Environmental and Occupational  
Health  
1 W. Wilson Street  
Madison, WI 53701

5/17/2024

Mark W Schwaller Tr ETAL  
PO Box 232  
Genesee Depot, WI 53127

**RE: Free Private Well PFAS Testing – 3148 E Cottage Rd**

Dear Mark W Schwaller Tr ETAL,

The department is offering free testing of private wells for perfluoroalkyl substances (PFAS) with-in a 3-mile radius of the Town of Stella town hall. The testing is available to full-time and seasonal residents that receive this letter of eligibility from the department. Letters are being sent to homeowners in batches to accommodate laboratory capacity, therefore someone may receive the letter before you. We expect the sampling to occur over approximately two to three months.

**Why is the department offering free PFAS testing?** A private well sample was collected from a residence in Starks in the summer of 2022 as part of a statewide groundwater study that indicated reported levels of PFAS were above Department of Health Services (DHS) recommended health guidelines. Additional private well testing conducted in Starks in 2022 indicated that the PFAS detections were not limited to just one residence. To try to determine the extent of private well impacts, additional private well sampling was offered to all residents with-in 1-mile of the Town of Stella Town Hall and full-time residents out to a 2.5-mile radius in 2023. Analytical results from that testing indicated that the areal extent of groundwater impacts is not currently known. Therefore, the department is extending the offer of private well PFAS testing out to a 3-mile radius for all residences at the department's expense.

**Why Should I Have My Well Tested?** Because the areal extent of PFAS groundwater contamination is unknown, and other private well owners in the designated area have tested their wells for PFAS with reported results greater than DHS recommended health guidelines, the department recommends you sample your well for PFAS. If you sample your private well for PFAS and reported results indicate PFAS levels above DHS recommended health guidelines, you will be offered emergency temporary drinking water at the department's expense. In addition, funding may be available to some well owners through a well compensation program to replace PFAS impacted private wells or in some instances provide treatment.

**How do I participate?** If you would like to have your private well tested for PFAS, there are two ways to obtain a sample kit: