



Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520
800-278-1254 • www.nlslab.com

July 02, 2024

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

Project: 2024 0.5 Expanded Zone (Starks/Stella)
Project Number: Scott Dombeck - 4094 Camp Bryn Afon Road
Work Order: CC06266
Received: 06/07/24

Enclosed are the results of analyses for samples received by our laboratory on 6/7/2024. If you have any questions concerning this report, please feel free to contact a client service representative at clientservices@nlslab.com.

Sincerely,

A handwritten signature in black ink that reads "Steven M. Hefter". The signature is written in a cursive style with a long horizontal line extending from the end.

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



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

Project: 2024 0.5 Expanded Zone (Starks/Stella)
Project Number: Scott Dombeck - 4094 Camp Bryn Afon Road
Project Manager: Mark Pauli

Reported:
7/2/24 14:49

Work Order:
CC06266

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
CC06266-01	Outdoor Spigot	DW		6/7/24 8:00	6/7/24 8:45
CC06266-02	Outdoor Spigot Field Blank	DW		6/7/24 8:00	6/7/24 8:45



Wisconsin Dept of Natural Res - Madison 107 Sutliff Ave Rhineland, WI 54501	Project: 2024 0.5 Expanded Zone (Starks/Stella) Project Number: Scott Dombeck - 4094 Camp Bryn Afon Road Project Manager: Mark Pauli	Reported: 7/2/24 14:49	Work Order: CC06266
---	--	----------------------------------	-------------------------------

Sample Results

Sample: Outdoor Spigot
CC06266-01 (DW) Sampled: 06/07/24 08:00

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.31	1.0		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.47	1.5		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.41	1.3		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.93	3.1		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.64	2.1		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.64	2.1		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	1.8	J	0.72	2.4		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.54	1.8		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.62	2.0		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	47		0.54	1.8		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	130		2.5	8.2		ng/L	6/11/24 7:17	6/12/24 10:41	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.63	2.1		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.52	1.7		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	34		0.47	1.5		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.48	1.6		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.54	1.8		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTTrDA)	ND		0.54	1.8		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.52	1.7		ng/L	6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	90%		Limits: 70-130%				6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	86%		Limits: 70-130%				6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	89%		Limits: 70-130%				6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	79%		Limits: 70-130%				6/11/24 7:17	6/11/24 21:38	RAW	EPA 537.1, Rev 2.0	2



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

Project: 2024 0.5 Expanded Zone (Starks/Stella)
Project Number: Scott Dombeck - 4094 Camp Bryn Afon Road
Project Manager: Mark Pauli

Reported:
7/2/24 14:49

Work Order:
CC06266

Sample: Outdoor Spigot Field Blank

CC06266-02 (DW) Sampled: 06/07/24 08:00

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.31	1.0		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.48	1.6		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.42	1.4		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.95	3.1		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.66	2.2		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.66	2.2		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.74	2.5		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.55	1.9		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.64	2.1		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		0.55	1.9		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		0.51	1.7		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.65	2.2		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.53	1.8		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		0.48	1.6		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.49	1.7		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.55	1.9		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTTrDA)	ND		0.55	1.9		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.53	1.8		ng/L	6/14/24 5:44	6/16/24 2:58	RAW	EPA 537.1, Rev 2.0	2
<i>Surrogate: (SURR) C13-PFHxA</i>	<i>99%</i>		<i>Limits: 70-130%</i>				<i>6/14/24 5:44</i>	<i>6/16/24 2:58</i>	<i>RAW</i>	<i>EPA 537.1, Rev 2.0</i>	<i>2</i>
<i>Surrogate: (SURR) C13-HFPODA</i>	<i>107%</i>		<i>Limits: 70-130%</i>				<i>6/14/24 5:44</i>	<i>6/16/24 2:58</i>	<i>RAW</i>	<i>EPA 537.1, Rev 2.0</i>	<i>2</i>
<i>Surrogate: (SURR) C13-PFDA</i>	<i>91%</i>		<i>Limits: 70-130%</i>				<i>6/14/24 5:44</i>	<i>6/16/24 2:58</i>	<i>RAW</i>	<i>EPA 537.1, Rev 2.0</i>	<i>2</i>
<i>Surrogate: (SURR) d5-NEtFOSAA</i>	<i>98%</i>		<i>Limits: 70-130%</i>				<i>6/14/24 5:44</i>	<i>6/16/24 2:58</i>	<i>RAW</i>	<i>EPA 537.1, Rev 2.0</i>	<i>2</i>



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

Project: 2024 0.5 Expanded Zone (Starks/Stella)
Project Number: Scott Dombeck - 4094 Camp Bryn Afon Road
Project Manager: Mark Pauli

Reported:
7/2/24 14:49

Work Order:
CC06266

List of Certifications

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



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

Project: 2024 0.5 Expanded Zone (Starks/Stella)
Project Number: Scott Dombeck - 4094 Camp Bryn Afon Road
Project Manager: Mark Pauli

Reported:
7/2/24 14:49

Work Order:
CC06266

Qualifiers and Definitions

Item	Definition
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

CC06266



Please provide the following information:

Name: Scott Dombek

Address: 4094 Camp Bryn Afon Rd

City/State/Zip: Rhinelander WI 54501

Phone: 715 581 1034

Sample Collection Date: 6/7 Sample Collection Time: 8:00 AM PM

Sample Collection Location (ex. Kitchen Sink): Outdoor spigot call per client 1411 GLT

Sample Collected By (Signature): [Signature]

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.**

* Mailing Address
Scott Dombek
184809 St Hwy 153
Wittenberg WI 54499

Laboratory use only:

Received at NLS by (Signature): [Signature] Date/Time: 06/07/2024 0845

Method of Delivery: Hand Delivery Condition (on ice / no ice) Ice

Receiving Temperature (°C) 8.5 Thermometer # 3
cooling