

August 23, 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: Julie and Nicholas Church - 3330 Meadow Lane

Work Order: CC09136 Received: 08/12/24

Enclosed are the results of analyses for samples received by our laboratory on 8/12/2024. If you have any questions concerning this report, please feel free to contact a client service representative at clientservices@nlslab.com.

Sincerely,

Steven M. Hefter For Client Services

Northern Lake Service, Inc.

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Reported:

Work Order:

Wisconsin Dept of Natural Res - Madison Project: 2024 0.5 Expanded Zone (Starks/Stella)

107 Sutliff Ave Project Number: Julie and Nicholas Church - 3330 Meadow Lane

Rhinelander, WI 54501 Project Manager: Mark Pauli 8/23/24 16:06 CC09136

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
CC09136-01	Kitchen Faucet	DW		8/12/24 8:10	8/12/24 13:00
CC09136-02	Kitchen Faucet Field Blank	DW		8/12/24 8:10	8/12/24 13:00

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107 Sutliff Ave Project Number: Julie and Nicholas Church - 3330 Meadow Lane

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Sample Results

Sample: Kitchen Faucet										
CC09136-01 (DW) Sampled: 0	8/12/24 08:10									
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	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND	0.48	1.6		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.42	1.4		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND	0.95	3.1		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	1.8	5.9		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	2.0	6.6		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	29	0.74	2.5		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND	0.55	1.9		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND	0.64	2.1		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	17	0.55	1.9		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	14	0.57	1.9		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	2.2	0.65	2.2		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND	0.53	1.8		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	4.3	0.48	1.6		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND	0.49	1.7		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND	0.55	1.9		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND	0.55	1.9		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND	0.53	1.8		ng/L	8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	90%	Limits:	70-130%			8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	90%	Limits:	70-130%			8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	92%	Limits:	70-130%			8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	74%	Limits:	70-130%			8/15/24 9:29	8/16/24 11:53	JPW	EPA 537.1, Rev 2.0	2

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107 Sutliff Ave Project Number: Julie and Nicholas Church - 3330 Meadow Lane

Rhinelander, WI 54501 Project Manager: Mark Pauli 8/23/24 16:06 CC09136

Sample: Kitchen Faucet Field Blank

CC09136-02 (DW) Sampled: 08/12/24 08:10

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		0.29	0.98		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		0.45	1.5		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.39	1.3		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.89	2.9		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	5.6		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	6.2		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.70	2.4		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.52	1.8		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.60	2.0		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		0.52	1.8		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		0.54	1.8		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.61	2.1		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.50	1.7		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		0.45	1.5		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.46	1.6		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.52	1.8		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		0.52	1.8		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.50	1.7		ng/L	8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	93%		Limits:	70-130%			8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	92%		Limits:	70-130%			8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	94%		Limits:	70-130%			8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	86%		Limits:	70-130%			8/22/24 5:38	8/22/24 16:13	JPW	EPA 537.1, Rev 2.0	2



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List of Certifications

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

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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

Please provide the following information:
Name: Nicholas Church
Address: 3330 Meadow Ln
City/State/Zip: Rhinelander, WI 54501
Phone: 415-250-2517
Sample Collection Date: 8/12/2024 Sample Collection Time: 08,10 AMPM
Sample Collection Location (ex. Kitchen Sink): <u>Kitchen taucet</u>
Sample Collected By (Signature): <u>Richolas Chunk</u>
**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 SEVICE DIRECTLY FOR SAMPLE RESULTS.
CC09136
Received at NLS by (Signature): Date/Time:
cooling SpeeDee Lot#sv

Spee Dee Delivery EZR Request for Pick-Up



Pick-up Information: shipments received are subject to spee dee rates and rules as published
Requested Pick-up Date 8/12/2024
Phone Number <u>415-250-2517</u>
Name of Business Northern Lake Service
Contact Person Nick Church
Pick-up Location: 3330 Meadow Ln
City Rhinelander State WI Zip Code 5450
Special Pick-up Instructions
Return Information:
Name of Business Northern Lake Service, Inc.
City Nandon State WI Zip Code 54520
EMAIL: EZR@speedeedelivery.com

Please make sure packages are ready. The driver will only make one attempt to pick-up. Pick-up fees will be applied if the packages are not ready.

FAX: (320) 251-0168