



Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520

800-278-1254 • www.nlslab.com

September 17, 2024

Breanne Busterud
3840 Berger Road
Rhineland, WI 54501

Project: 2024 On-line Ordering
Work Order: CC10897
Received: 09/13/24

Enclosed are the results of analyses for samples received by our laboratory on 9/13/2024. 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, appearing to read "Ronald T. Krueger".

Ronald T. Krueger For Client Services
Northern Lake Service, Inc.



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Reported:
9/17/24 15:58

Work Order:
CC10897

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
CC10897-01	Kitchen Faucet	DW		9/12/24 7:10	9/13/24 7:30

Qualifiers that apply to the entire work order:

Rec1



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Case Narrative

Noncompliance: Samples received at 17 degrees C, which is above WDNR protocol of 6 degrees C.



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Sample Results

Sample: Kitchen Faucet

CC10897-01 (DW) Sampled: 09/12/24 07:10

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	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.48	1.6		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.42	1.4		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.95	3.1		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	5.9		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	6.6		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.74	2.5		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.55	1.9		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.64	2.1		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		0.55	1.9		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	0.59	J	0.57	1.9		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.65	2.2		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.53	1.8		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	1.1	J	0.48	1.6		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	1.5	J	0.49	1.7		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.55	1.9		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTTrDA)	ND		0.55	1.9		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.53	1.8		ng/L	9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	85%		Limits: 70-130%				9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	82%		Limits: 70-130%				9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	87%		Limits: 70-130%				9/16/24 5:50	9/16/24 22:48	JPW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	88%		Limits: 70-130%				9/16/24 5:50	9/16/24 22:48	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	8/31/25



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Qualifiers and Definitions

Item	Definition
Rec1	Noncompliance: Sample(s) received at 17 degrees C, which is above WDNR protocol of 6 degrees C.
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.

PFAS by EPA Method 537.1 Test Kit
18 PFAS compounds

CC10897



Return your sample as soon as possible to c_____

Northern Lake Service
400 N Lake Ave
Crandon, WI 54520

OR

Northern Lake Service
2420 N Grandview Blvd
Waukesha, WI 53188

Please provide the following information:

Name: Breanne Busterud
Address: 3840 Berger Rd
City/State/Zip: Rhinclander, WI 54501
Phone: 715-62-2332 Email: breanne_busterud-05@hotmail.com
Sample Collection Date: 9/12/24 Sample Collection Time: 7:10 AM PM
Sample Collection Location (ex. Pressure Tank) Kitchen Faucet
Sample Collected By: Breanne Busterud
Report by email only Report by mail only (\$5 fee)

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. If you choose not to have the field blank analyzed, the PFAS data may be viewed as a screening and may not be suitable for compliance use.

Please initial in **ONE** of the check boxes below that apply:

Cost for PFAS Kit Without Field Blank - \$367.50

OR

Cost for PFAS Kit Including Field Blank - \$552.50

Your credit card will be charged according to the option you have chosen above

Laboratory use only:

Received at NLS by (Signature): C. Peterson Date/Time: 9/13/24 730
Method of Delivery: SP Condition (on ice / no ice) _____
Receiving Temperature (°C) 16.9°C Thermometer # 12
Per Breanne, run + flag. Kit 9/13/24