



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

October 18, 2023

Steve Rausch
3729 County C
Rhinelander, WI 54501

Project: 2023 On-line Ordering
Project Number: [none]
Work Order: CB12357
Received: 10/09/23

Enclosed are the results of analyses for samples received by our laboratory on 10/9/2023. 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 "Tom Priebe".

Tom Priebe For Kristin Tienor
Northern Lake Service, Inc.



Steve Rausch 3729 County C Rhineland, WI 54501	Project: 2023 On-line Ordering Project Number: Project Manager: Steve Rausch	Reported: 10/18/23 12:05	Work Order: CB12357
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Sample Summary

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

Lab ID	Sample	Matrix	Sample Type	Qualifiers	Date Sampled	Date Received
CB12357-01	Kitchen Faucet	DW			10/9/23 11:00	10/9/23 11:44



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3729 County C
Rhineland, WI 54501

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10/18/23 12:05

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CB12357

Sample Results

Sample: Kitchen Faucet

CB12357-01 (DW) Sampled: 10/09/23 11:00

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.32	1.0		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.35	1.1		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.38	1.2		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.42	1.4		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.48	1.6		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.41	1.3		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	0.68	J	0.31	1.0		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.34	1.1		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.79		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	5.8		0.45	1.5		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	4.9		0.48	1.6		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	0.36	J	0.35	1.1		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.47	1.5		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	18		0.50	1.6		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	4.3		0.32	1.0		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.35	1.1		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTTrDA)	ND		0.44	1.4		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.31	1.0		ng/L	10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
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Surrogate: (SURR) C13-PFHxA	107%		Limits: 70-130%				10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	100%		Limits: 70-130%				10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	103%		Limits: 70-130%				10/17/23 5:16	10/17/23 16:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	95%		Limits: 70-130%				10/17/23 5:16	10/17/23 16:47	RAW	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.

PFAS by EPA Method 537.1 Test Kit
18 PFAS compounds



Return your sample as soon as possible to one of our two locations:

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: STEVE RAUSCH
Address: 3729 COUNTY C
City/State/Zip: RHINELANDER, WI 54501
Phone: 715-254-9669 Email: SCRUPWORTH@CHARTER.NET
Sample Collection Date: 10-9-23 Sample Collection Time: 11:00 AM/PM
Sample Collection Location (ex. Pressure Tank) KITCHEN FAUCET
Sample Collected By: STEVE RAUSCH
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

Ally Pearce

10/09/23 11:44
On line 2.400



Steve Rausch

CLIENT:

3729 County C
Rhineland, WI 54501
715-254-9069
Drinking Water

Cust #: 115168
Order #: 111999
Ship Date: 10/09/2023
Type: DW

Shipped as: PU/DO

Sample ID: Drinking Water

1 SET

PFAS Compounds by EPA Method 537.1 Without Field Blank (18 compounds included in analysis) \$367.50
2 x 250mL Nalgene bottles with Trizma Preservative

Shipped and Completed by: _____



Northern Lake Service Inc.

ENVIRONMENTAL ANALYTICAL LABORATORY

400 N Lake Ave | Crandon, WI 54520 | 800-278-1254 | www.nislab.com

WORK ORDER

CB12357

Printed: 10/09/2023 1:05 pm

Project: 2023 On-line Ordering
Project Number:
Project Manager: Kristin Tienor

Report To:

Steve Rausch
Steve Rausch
3729 County C
Rhineland, WI 54501
Phone: (715) 254-9069

Invoice To:

Steve Rausch
Steve Rausch
3729 County C
Rhineland, WI 54501
Phone: (715) 254-9069

Date Logged In: 10/09/2023 12:01 PM

Date Received: 10/09/2023 11:44 AM

Shipped By: Hand Delivered

Misc:

Logged In By: Chris Patterson

Received By: Chris Patterson

Cooler Data

Samples Received at: 2.4°C

Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirmed Yes
Received On Ice Yes

Analysis	Method	Status
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CB12357-01 Kitchen Faucet [DW] Sampled: 10/9/2023 11:00

Perfluorinated Chemicals by EPA Method 537.1

EPA 537.1, Rev 2.0