



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

July 13, 2023

Sue Gustafson
4050 Camp Bryn Afon Rd
Rhineland, WI 54501

Project: 2023 Drinking Water Testing
Work Order: CB07202
Received: 06/28/23

Enclosed are the results of analyses for samples received by our laboratory on 6/28/2023. If you have any questions concerning this report, please feel free to contact a client service representative at clientservices@nlslab.com.

Sincerely,

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



Sue Gustafson 4050 Camp Bryn Afon Rd Rhineland, WI 54501	Project: 2023 Drinking Water Testing Project Number: 2023 Drinking Water Testing Project Manager: Sue Gustafson	Reported: 7/13/23 6:43	Work Order: CB07202
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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
CB07202-01	Laundry Sink	DW			6/28/23 11:20	6/28/23 12:54



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CB07202

Sample Results

Sample: Laundry Sink
CB07202-01 (DW) Sampled: 06/28/23 11:20

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.32	1.0		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.35	1.1		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.38	1.2		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.42	1.4		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.48	1.6		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.41	1.3		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.31	1.0		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.34	1.1		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.79		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	0.56	J	0.45	1.5		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	1.2	J	0.48	1.6		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.35	1.1		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.47	1.5		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	0.75	J	0.50	1.6		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.32	1.0		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.35	1.1		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		0.44	1.4		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.31	1.0		ng/L	7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	86%		Limits: 70-130%				7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	84%		Limits: 70-130%				7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	95%		Limits: 70-130%				7/5/23 5:41	7/5/23 15:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	86%		Limits: 70-130%				7/5/23 5:41	7/5/23 15:15	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	8/31/23



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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.

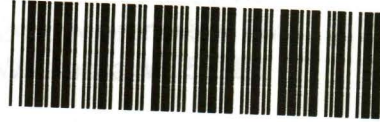
PFAS by EPA Method 537.1 Test Kit
18 PFAS compounds

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

Northern Lake Service
400 N Lake Ave
Crandon, WI 54520

OR

CB07202



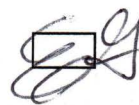
Please provide the following information:

Name: SUE BETH GUSTAFSON
Address: 4050 CAMP BRYN AFON RD
City/State/Zip: RHINELANDER WI 54501
Phone: 715 362 9441 Email: sue.beth.gus@gmail.com
Sample Collection Date: 6/28/23 Sample Collection Time: 11:20 AM/PM
Sample Collection Location (ex. Pressure Tank) Laundry sink (kitchen screen not removable)
Sample Collected By: Eric Gustafson
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



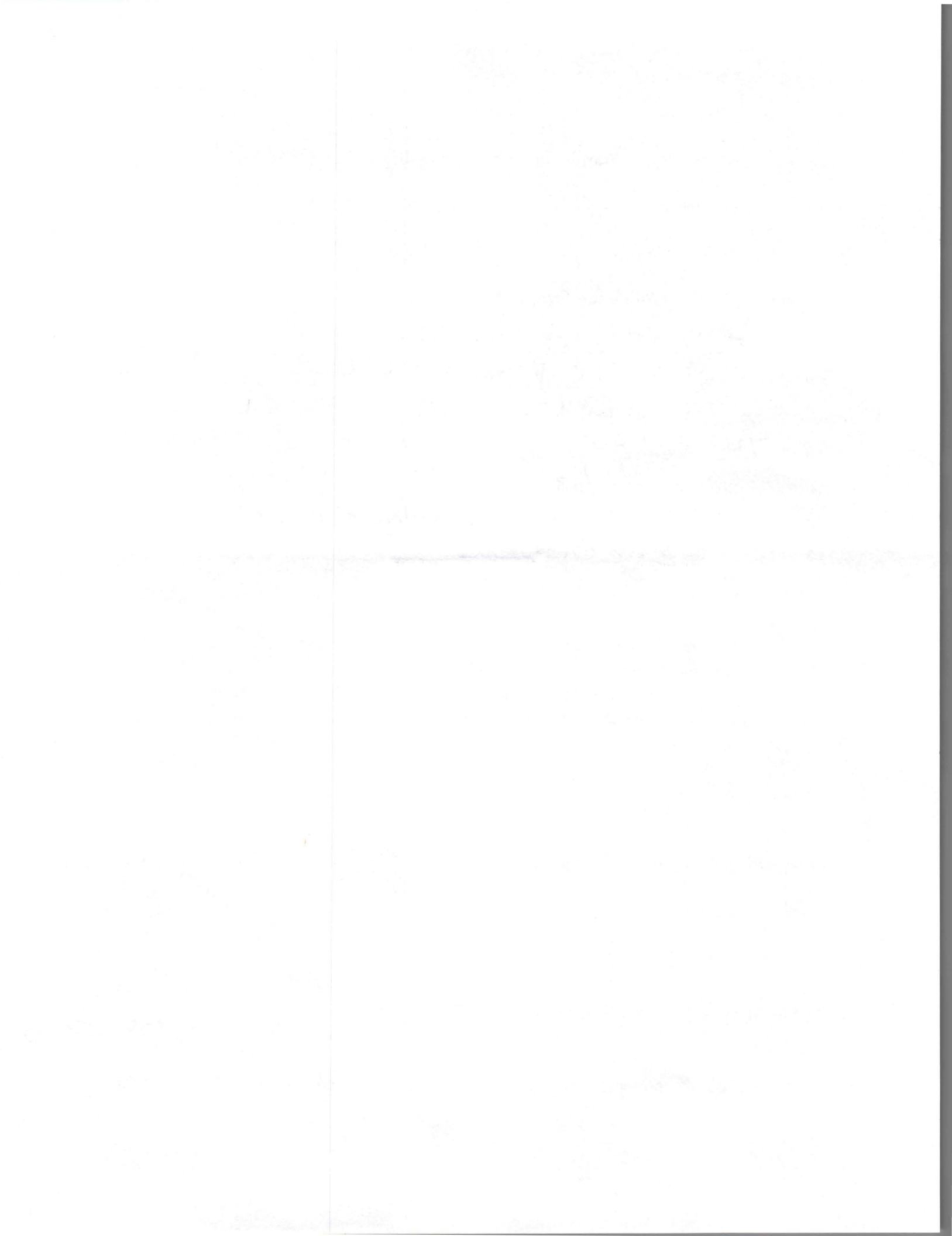
OR

Cost for PFAS Kit Including Field Blank - \$552.50



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

Handwritten notes:
Paid 367.50
6/27/23
6/28/23 12:54
0.72
anytime Hand





Sue Gustafson

CLIENT:

4050 Camp Bryn Afon Rd

Rhineland, WI 54501

715-362-9441

Drinking Water Sampling Kit - Client will pay upon arrival

Cust #: 115015

Order #: 110544

Ship Date: 06/27/2023

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: _____