



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

August 31, 2023

Kathleen Smith
3286 County C
Rhineland, WI 54501

Project: 2023 On-line Ordering
Project Number: [none]
Work Order: CB10028
Received: 08/22/23

Enclosed are the results of analyses for samples received by our laboratory on 8/22/2023. 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.



Kathleen Smith
3286 County C
Rhineland, WI 54501

Project: 2023 On-line Ordering
Project Number:
Project Manager: Kathleen Smith

Reported:
8/31/23 13:14

Work Order:
CB10028

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
CB10028-01	Kitchen Sink	DW			8/22/23 8:30	8/22/23 9:25



Kathleen Smith
3286 County C
Rhineland, WI 54501

Project: 2023 On-line Ordering
Project Number:
Project Manager: Kathleen Smith

Reported:
8/31/23 13:14

Work Order:
CB10028

Sample Results

Sample: Kitchen Sink
CB10028-01 (DW) Sampled: 08/22/23 08:30

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		3.1	10		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		3.4	11		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		3.7	12		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		4.1	14		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.7	16		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.0	13		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	12		3.0	10		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		3.3	11		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		2.3	7.7		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	3400		44	150		ng/L	8/28/23 5:32	8/30/23 9:24	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	3600		47	160		ng/L	8/28/23 5:32	8/30/23 9:24	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	76		3.4	11		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	6.5	J	4.6	15		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	6800		49	160		ng/L	8/28/23 5:32	8/30/23 9:24	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	56		3.1	10		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		3.4	11		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		4.3	14		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		3.0	10		ng/L	8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	97%		Limits: 70-130%				8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	103%		Limits: 70-130%				8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	113%		Limits: 70-130%				8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	94%		Limits: 70-130%				8/28/23 5:32	8/29/23 16:35	RAW	EPA 537.1, Rev 2.0	2



Kathleen Smith
3286 County C
Rhineland, WI 54501

Project: 2023 On-line Ordering
Project Number:
Project Manager: Kathleen Smith

Reported:
8/31/23 13:14

Work Order:
CB10028

List of Certifications

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



Kathleen Smith
3286 County C
Rhineland, WI 54501

Project: 2023 On-line Ordering
Project Number:
Project Manager: Kathleen Smith

Reported:
8/31/23 13:14

Work Order:
CB10028

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

CB10028



Return your sample as soon as possible to one

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: Kathleen and Charles Smith
Address: 3286 County C
City/State/Zip: Rhineland, WI 54501
Phone: 715-771-9875 Email: ksmith3286@gmail.com
Sample Collection Date: 8/22/23 Sample Collection Time: 8:30 (AM/PM)
Sample Collection Location (ex. Pressure Tank) Kitchen sink
Sample Collected By: Kathleen Smith
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

8/22/23 0925 Hand Del
Ally Penn 0.6⁰⁰



Kathleen Smith

CLIENT:

3286 County C
Rhineland, WI 54501
715-771-9875

PFAS - No FB, Client will pick up Friday AM 08/18/2023

Cust #: 115104

Order #: 111323

Ship Date: 08/16/2023

Type: DW

**PREPAID ONLINE

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: *Kathleen B Smith*