



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

May 25, 2023

David Grandt
3304 County C
Rhineland, WI 54501

Project: 2023 On-line Ordering
Work Order: CB04755
Received: 05/10/23

Enclosed are the results of analyses for samples received by our laboratory on 5/10/2023. 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 Client Services
Northern Lake Service, Inc.



David Grandt
3304 County C
Rhineland, WI 54501

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Project Manager: David Grandt

Reported:
5/25/23 12:06

Work Order:
CB04755

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
CB04755-01	Sink	DW			5/10/23 7:30	5/10/23 8:10



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Sample Results

Sample: Sink
CB04755-01 (DW) Sampled: 05/10/23 07:30

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		39	120		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		42	140		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		46	150		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		51	180		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		59	200		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		50	160		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		38	120		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		41	140		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		29	96		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	3900		55	190		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	4000		59	200		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	80	J	42	140		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		58	190		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	5800		61	200		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	150		39	120		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		42	140		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		54	180		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		38	120		ng/L	5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	90%		Limits: 70-130%				5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	87%		Limits: 70-130%				5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	93%		Limits: 70-130%				5/17/23 8:48	5/18/23 10:09	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	90%		Limits: 70-130%				5/17/23 8:48	5/18/23 10:09	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

CB04755



Please provide the following information:

Name: David Grandt

Address: 3304 County C

City/State/Zip: Rhinelanden 54501

Phone: [REDACTED] Email: [REDACTED]

Sample Collection Date: 5/10/23 Sample Collection Time: 7:30 AM PM

Sample Collection Location (ex. Pressure Tank) Sink

Sample Collected By: David Grandt

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

David Grandt 5/10/23 8:10
4 f on i.e



David Grandt

CLIENT:
3304 County C
Rhinelander, WI 54501

Cust #: 114980
Order #: 109459
Ship Date: 05/08/2023
Type: DW

Drinking Water Sampling Kit

**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: _____

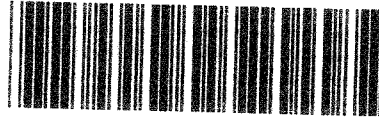
PFAS by EPA Method 537.1 Test Kit
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CLIENT:

**3304 County C
Rhineland, WI 54501
815-566-6939**

Drinking Water Sampling Kit

Cust #: 114980

Order #: 109459

Ship Date: 05/08/2023

Type: DW

****PREPAID ONLINE**

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Sample ID: Drinking Water

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PFAS Compounds by EPA Method 537.1 Without Field Blank (18 compounds included in analysis) \$367.50
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