



Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520  
800-278-1254 • [www.nlslab.com](http://www.nlslab.com)

September 06, 2023

Kat Ionson  
3658 Mullins Lake Dr  
Rhineland, WI 54501

Project: 2023 Drinking Water Testing  
Work Order: CB10294  
Received: 08/28/23

Enclosed are the results of analyses for samples received by our laboratory on 8/28/2023. If you have any questions concerning this report, please feel free to contact a client service representative at [clientservices@nlslab.com](mailto:clientservices@nlslab.com).

Sincerely,

A handwritten signature in cursive script that reads "Kristin Tienor".

Kristin Tienor For Client Services  
Northern Lake Service, Inc.



Kat Ionson  
3658 Mullins Lake Dr  
Rhineland, WI 54501

Project: 2023 Drinking Water Testing  
Project Number: 2023 Drinking Water Testing  
Project Manager: Kat Ionson

**Reported:**  
9/6/23 11:08

**Work Order:**  
CB10294

### 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 |
|------------|----------------|--------|-------------|------------|---------------|---------------|
| CB10294-01 | Drinking Water | DW     |             |            | 8/28/23 14:15 | 8/28/23 15:07 |



Kat Ionson  
3658 Mullins Lake Dr  
Rhineland, WI 54501

Project: 2023 Drinking Water Testing  
Project Number: 2023 Drinking Water Testing  
Project Manager: Kat Ionson

Reported:  
9/6/23 11:08

Work Order:  
CB10294

**Sample Results**

**Sample: Drinking Water**  
**CB10294-01 (DW) Sampled: 08/28/23 14:15**

| Analyte  | Result | Qualifier | LOD             | LOQ  | MCL | Units | Date Prepared | Date Analyzed | Analyst | Method             | Lab Cert Code |
|--|--------|-----------|-----------------|------|-----|-------|---------------|---------------|---------|--------------------|---------------|
| <b>Semi-Volatiles</b>  |        |           |                 |      |     |       |               |               |         |                    |               |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND     |           | 0.33            | 1.1  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)    | ND     |           | 0.36            | 1.2  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| 4,8-dioxa-3H-perfluorononanoic acid (ADONA)                        | ND     |           | 0.39            | 1.3  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| hexafluoropropylene oxide dimer acid (HFPO DA)                     | ND     |           | 0.44            | 1.5  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)           | ND     |           | 0.50            | 1.7  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)          | ND     |           | 0.43            | 1.4  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorobutanesulfonic acid (PFBS)                                | ND     |           | 0.32            | 1.1  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorodecanoic acid (PFDA)                                      | ND     |           | 0.35            | 1.2  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorododecanoic acid (PFDoA)                                   | ND     |           | 0.24            | 0.82 |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluoroheptanoic acid (PFHpA)                                    | 1.2    | J         | 0.47            | 1.6  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorohexanoic acid (PFHxA)                                     | 1.4    | J         | 0.50            | 1.7  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorohexanesulfonic acid (PFHxS)                               | ND     |           | 0.36            | 1.2  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorononanoic acid (PFNA)                                      | 0.49   | J         | 0.49            | 1.6  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorooctanoic acid (PFOA)                                      | 3.0    |           | 0.52            | 1.7  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorooctanesulfonic acid (PFOS)                                | 0.86   | J         | 0.33            | 1.1  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorotetradecanoic acid (PFTA)                                 | ND     |           | 0.36            | 1.2  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluorotridecanoic acid (PFTTrDA)                                | ND     |           | 0.46            | 1.5  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| perfluoroundecanoic acid (PFUnA)                                   | ND     |           | 0.32            | 1.1  |     | ng/L  | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| Surrogate: (SURR) C13-PFHxA  | 101%   |           | Limits: 70-130% |      |     |       | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| Surrogate: (SURR) C13-HFPODA                                       | 79%    |           | Limits: 70-130% |      |     |       | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| Surrogate: (SURR) C13-PFDA   | 73%    |           | Limits: 70-130% |      |     |       | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |
| Surrogate: (SURR) d5-NEtFOSAA                                      | 83%    |           | Limits: 70-130% |      |     |       | 8/31/23 5:44  | 8/31/23 18:56 | RAW     | EPA 537.1, Rev 2.0 | 2             |



Kat Ionson  
3658 Mullins Lake Dr  
Rhineland, WI 54501

Project: 2023 Drinking Water Testing  
Project Number: 2023 Drinking Water Testing  
Project Manager: Kat Ionson

**Reported:**  
9/6/23 11:08

**Work Order:**  
CB10294

**List of Certifications**

| <b>Code</b> | <b>Description</b>                   | <b>Number</b> | <b>Expires</b> |
|-------------|--------------------------------------|---------------|----------------|
| 2           | NLS (Crandon) WDNR Laboratory ID No. | 721026460     | 8/31/24        |



Kat Ionson  
3658 Mullins Lake Dr  
Rhineland, WI 54501

Project: 2023 Drinking Water Testing  
Project Number: 2023 Drinking Water Testing  
Project Manager: Kat Ionson

**Reported:**  
9/6/23 11:08

**Work Order:**  
CB10294

### 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**

CB10294



Return your sample as soon as possible to on:

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: Scott + KAT Jonson

Address: 3658 Moens Lake Dr.

City/State/Zip: Rhinelanders WI 54501

Phone: 414-931-1318 Email: scottjonson@yahoo.com

Sample Collection Date: 8/28/23 Sample Collection Time: 2:15 AM/PM (M)

Sample Collection Location (ex. Pressure Tank) outside spigot directly from well.

Sample Collected By: SCOTT Jonson

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

*Received*  
*8-28-23 @*  
*15:07 PM*  
*0.1° RH10*  
*onco*

MOENS Lake Dr.

Printed: Wednesday August 23 2023 2:56 PM



Kat lonson

CLIENT: MOENS  
3658 ~~Mellins~~ Lake Dr  
Rhineland, WI 54501  
414-232-2556

Completed on 08/23/2023 by AARONT

Drinking Water Sampling Kit

Cust #: 115118  
Order #: 111420  
Ship Date: 08/23/2023  
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: \_\_\_\_\_