



Northern Lake Service Inc.

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

Brockway Sanitary Dist #1
236 Gebhardt Road
Black River Falls, WI 54615

Project: Quarterly Drinking Water Testing
Project Number: 2023 WDNR Drinking Water Requirements
Project Manager: Mark Hill

Reported: 10/23/23 14:04

Work Order: CB12488

Sample Results

Sample: EPI (PFAS)

CB12488-01 (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-chloroicosasilfluoro-3-oxaundecane-1-sulfonic acid (11C-PR3OU(S))	ND		0.31	1.0		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9C-PR3ONS)	ND		0.34	1.1		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorooctanoic acid (ADOMA)	ND		0.37	1.2		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.41	1.4		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamideacetic acid (NEFOSAA)	ND		0.47	1.6		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamideacetic acid (NMFOSAA)	ND		0.40	1.3		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	1.8		0.30	1.0		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanic acid (PFDA)	ND		0.33	1.1		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanic acid (PFDDA)	ND		0.23	0.77		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	2.9		0.44	1.5		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFHxO)	5.7		0.47	1.6		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	11		0.34	1.1		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.46	1.5		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanesulfonic acid (PFDA)	2.9		0.49	1.6		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanesulfonic acid (PFTrA)	35		0.31	1.0		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorohexadecanesulfonic acid (PFHxS)	ND		0.34	1.1		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluorooctadecanesulfonic acid (PFTrDA)	ND		0.43	1.4		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.30	1.0		ng/L	10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
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Surrogate: (SUR) C13-PRHxA	95%						10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SUR) C13-HFPODA	88%						10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SUR) C13-PFDA	78%						10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SUR) d5-NEFOSAA	72%						10/13/23 6:20	10/14/23 12:50	RAW	EPA 537.1, Rev 2.0	2

The comments of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.



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Project: Quarterly Drinking Water Testing
Project Number: 2023 WDNR Drinking Water Requirements
Project Manager: Mark Hill

Reported: 10/23/23 14:04
Work Order: CB12488

Sample: EP2 (PFAS)

CB12488-03 (DW) Sampled: 10/09/23 10:00

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroicosulfuro-3-oxaundecane-1-sulfonic acid (11Q-PCOUDS)	ND		0.32	1.0		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9C-PEFONS)	ND		0.35	1.1		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND		0.39	1.2		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.43	1.5		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamideacetic acid (NEFOSAA)	ND		0.49	1.7		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamideacetic acid (MPEFOSAA)	ND		0.42	1.4		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	12		0.31	1.0		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.34	1.1		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.24	0.80		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	0.48	J	0.46	1.6		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	1.2	J	0.49	1.7		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.35	1.1		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.48	1.6		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	0.54	J	0.51	1.7		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	0.39	J	0.32	1.0		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.35	1.1		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluorohexadecanoic acid (PFTrDA)	ND		0.45	1.5		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.31	1.0		ng/L	10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
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Surrogate: (SURR) C13-PFHxA	91%						10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HPODA	84%						10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFOA	87%						10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) DF-NEFOSAA	80%						10/18/23 6:10	10/18/23 17:10	RAW	EPA 537.1, Rev 2.0	2

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