



Northern Lake Service Inc.

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

Mukwonago Water Utility  
440 River Crest Court  
Mukwonago, WI 53149

Project: Annual Drinking Water  
Project Number: 2023 WDNR Drinking Water Requirements  
Project Manager: Wayne Castle

Reported:  
7/13/23 10:19  
Work Order:  
WB03805

### Sample Results

Sample: EP7 (PFAS)  
WB03805-01 (DW) Sampled: 06/26/23 10:05

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
<b>Semi-Volatiles</b>											
1,1-chloroethoxyfluoro-3-oxadecane-1-sulfonic acid (1,1Cl-PF3OUdS)	ND		0.32	1.0		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.35	1.1		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluoromonamic acid (ADOMA)	ND		0.38	1.2		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.42	1.4		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	ND		0.48	1.6		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMFOSAA)	ND		0.41	1.3		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	2.7		0.31	1.0		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.34	1.1		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.79		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorheptanoic acid (PFHpA)	1.4	J	0.45	1.5		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorhexanoic acid (PFHxA)	1.2	J	0.48	1.6		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorhexanesulfonic acid (PFHxS)	7.3		0.35	1.1		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	1.5		0.47	1.5		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	9.0		0.50	1.6		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	5.1		0.32	1.0		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.35	1.1		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTDA)	ND		0.44	1.4		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUdA)	ND		0.31	1.0		ng/L	6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
Sumogate: (SURR) C13-PFHxA	95%		Limits: 70-130%				6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
Sumogate: (SURR) C13-HFPODA	88%		Limits: 70-130%				6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
Sumogate: (SURR) C13-PFDA	91%		Limits: 70-130%				6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2
Sumogate: (SURR) d5-NEFOSAA	76%		Limits: 70-130%				6/28/23 9:43	7/1/23 19:16	RAW	EPA 537.1, Rev 2.0	2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
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