



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

February 02, 2023

Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

RE: 2023 Drinking Water Testing
Work Order: CB00391
Received: 01/13/23

Enclosed are the results of analyses for samples received by our laboratory on 1/13/2023. 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.



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

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
CB00391-01	RO044	GW			1/13/23 8:10	1/13/23 10:50
CB00391-02	RO044 Field Blank	GW			1/13/23 8:10	1/13/23 10:50
CB00391-03	ZG928	GW			1/13/23 8:55	1/13/23 10:50
CB00391-05	QQ731	GW			1/13/23 9:45	1/13/23 10:50
CB00391-06	QQ731 Field Blank	GW			1/13/23 9:45	1/13/23 10:50



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

Sample Results

Sample: RO044

CB00391-01 (GW) Sampled: 01/13/23 08:10

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1	39	120	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1	42	140	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		1	46	150	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		1	51	180	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1	59	200	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1	50	160	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		1	38	120	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		1	41	140	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		1	29	96	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	4800		1	55	190	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	3100		1	59	200	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	160		1	42	140	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		1	58	190	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	27000		5	310	1000	ng/L	1/23/23 5:15	1/24/23 9:29	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	57	J	1	39	120	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		1	42	140	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		1	54	180	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		1	38	120	ng/L	1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	97%				Limits: 70-130%		1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	93%				Limits: 70-130%		1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	87%				Limits: 70-130%		1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	84%				Limits: 70-130%		1/23/23 5:15	1/23/23 19:48	RAW	EPA 537.1, Rev 2.0	2

Sample: RO044 Field Blank

CB00391-02 (GW) Sampled: 01/13/23 08:10

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
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Semi-Volatiles



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

Sample Results (Continued)

Sample: RO044 Field Blank (Continued)

CB00391-02 (GW) Sampled: 01/13/23 08:10

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles (Continued)											
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1	0.32	1.0	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1	0.35	1.1	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	ND		1	0.38	1.2	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		1	0.42	1.4	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ND		1	0.48	1.6	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1	0.41	1.3	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		1	0.31	1.0	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		1	0.34	1.1	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		1	0.23	0.79	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		1	0.45	1.5	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		1	0.48	1.6	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		1	0.35	1.1	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		1	0.47	1.5	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		1	0.50	1.6	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		1	0.32	1.0	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		1	0.35	1.1	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND	CCV%H	1	0.44	1.4	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		1	0.31	1.0	ng/L	1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	96%				Limits: 70-130%		1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	93%				Limits: 70-130%		1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	93%				Limits: 70-130%		1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NETFOSAA	87%				Limits: 70-130%		1/23/23 5:15	1/23/23 20:47	RAW	EPA 537.1, Rev 2.0	2

Sample: ZG928

CB00391-03 (GW) Sampled: 01/13/23 08:55

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
FBNA											



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

Sample Results (Continued)

Sample: ZG928 (Continued)

CB00391-03 (GW) Sampled: 01/13/23 08:55

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles (Continued)			FBNA								
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1	0.30	0.98	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1	0.33	1.1	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		1	0.36	1.2	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		1	0.40	1.4	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ND		1	0.46	1.6	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1	0.39	1.3	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		1	0.29	0.98	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		1	0.32	1.1	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		1	0.23	0.75	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		1	0.43	1.5	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		1	0.46	1.6	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		1	0.33	1.1	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		1	0.45	1.5	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		1	0.48	1.6	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		1	0.30	0.98	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		1	0.33	1.1	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND	CCV%H	1	0.42	1.4	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		1	0.29	0.98	ng/L	1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	98%			Limits: 70-130%			1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	94%			Limits: 70-130%			1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	87%			Limits: 70-130%			1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NETFOSAA	79%			Limits: 70-130%			1/23/23 5:15	1/23/23 21:13	RAW	EPA 537.1, Rev 2.0	2

Sample: QQ731

CB00391-05 (GW) Sampled: 01/13/23 09:45

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
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Semi-Volatiles



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

Sample Results (Continued)

Sample: QQ731 (Continued)

CB00391-05 (GW) Sampled: 01/13/23 09:45

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles (Continued)											
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1	39	120	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1	42	140	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		1	46	150	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		1	51	180	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	ND		1	59	200	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1	50	160	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		1	38	120	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		1	41	140	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		1	29	96	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	6700		1	55	190	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	4600		1	59	200	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	51	J	1	42	140	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	640		1	58	190	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	30000		10	610	2000	ng/L	1/23/23 5:15	1/24/23 10:29	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	390		1	39	120	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		1	42	140	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND	CCV%H	1	54	180	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		1	38	120	ng/L	1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	93%				Limits: 70-130%		1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	90%				Limits: 70-130%		1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	88%				Limits: 70-130%		1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NETFOSAA	76%				Limits: 70-130%		1/23/23 5:15	1/23/23 22:05	RAW	EPA 537.1, Rev 2.0	2

Sample: QQ731 Field Blank

CB00391-06 (GW) Sampled: 01/13/23 09:45

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
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Semi-Volatiles



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

Sample Results (Continued)

Sample: QQ731 Field Blank (Continued)

CB00391-06 (GW) Sampled: 01/13/23 09:45

Analyte	Result	Qualifier	Dilution	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles (Continued)											
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1	0.31	1.0	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1	0.34	1.1	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		1	0.37	1.2	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		1	0.41	1.4	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1	0.47	1.6	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1	0.40	1.3	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		1	0.30	1.0	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		1	0.33	1.1	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		1	0.23	0.77	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		1	0.44	1.5	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		1	0.47	1.6	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		1	0.34	1.1	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		1	0.46	1.5	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		1	0.49	1.6	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		1	0.31	1.0	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		1	0.34	1.1	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND	CCV%H	1	0.43	1.4	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		1	0.30	1.0	ng/L	1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	93%			Limits: 70-130%			1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	88%			Limits: 70-130%			1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	90%			Limits: 70-130%			1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	87%			Limits: 70-130%			1/23/23 5:15	1/23/23 22:31	RAW	EPA 537.1, Rev 2.0	2



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

List of Certifications

Code	Description	Number	Expires
2	NLS (Crandon) WDNR Laboratory ID No.	721026460	8/31/23



Wisconsin Department of Natural Resources
101 S Webster St
Madison, WI 53707

Project: 2023 Drinking Water Testing
Project Number: 2023 Drinking Water Testing
Project Manager: Wisconsin Department of Natural Resources

Reported:
2/2/23 16:12

Work Order:
CB00391

Qualifiers and Definitions

Item	Definition
CCV%H	The continuing calibration verification standard recovery was above QC limits at 139%.
FBNA	The field sample had no detects, therefore the corresponding trip blank/field reagent blank was not analyzed.
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.
DWB	Dry Weight Basis.
%DWB	Equal to: (mg/kg DWB) / 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.

For Terms and Conditions please see www.nlslab.com.

CB00391

NO

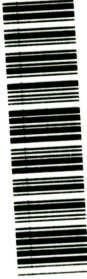
SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460

Analyt

400 N

Tel: (7



CLIENT: WDNR - D6
 ADDRESS: PO BOX 7921 D6/S
 CITY: MADISON STATE WI ZIP: 53707
 PROJECT DESCRIPTION: PETS PRIVATE MEALS
 DNR FID #: [] DNR LICENSE # []
 CONTACT: MATSISWER PHONE: 608-766-2167
 PURCHASE ORDER NO. 37900-000022345 FAX []

USE BOXES BELOW... indicate Y or N if GW Sample is field filtered.

Indicate G or C if WW Sample is Grab or Composite.

- MATRIX:
- SW = surface water
 - WW = waste water
 - GW = groundwater
 - DW = drinking water
 - TIS = tissue
 - AIR = air
 - SOIL = soil
 - SED = sediment
 - PROD = product
 - SL = sludge
 - OTHER []

ANALYZE PER ORDER OF ANALYSIS

ERT 537-1

ITEM NO.	ALS LAB NO.	SAMPLE ID	COLLECTION DATE	TIME	MATRIX (See above)	COLLECTION REMARKS (ie. DNR Well ID #)
1.		R0044	1/13/23	08:10	GW	(2) BOTTLES (1) FB
2.		ZG978		08:55	GW	(4) BOTTLES (1) FB
3.		QQ731		09:45	GW	(2) BOTTLES (1) FB
4.						
5.						
6.						
7.						
8.						
9.						
10.						

COLLECTED BY (signature): *William Roberts* CUSTODY SEAL NO. (IF ANY): 1-13-23 9:45
 RECEIVED BY (signature): *William Roberts* 10:45 AM 1-13-23 9:45 AM WFR
 DISPATCHED BY (signature): [] METHOD OF TRANSPORT: []
 RECEIVED AT ALS BY (signature): *[Signature]* DATE/TIME: 1/13/23 10:50 AM
 COOLER # [] TEMP: 6.0°C
 PRESERVATIVE: N = nitric acid OIT = sodium hydroxide
 NP = no preservative Z = zinc acetate HA = hydrochloric & ascorbic acid
 S = sulfuric acid M = methanol H = hydrochloric acid
 WIDNR FACILITY NUMBER [] E-MAIL ADDRESS []
 REMARKS & OTHER INFORMATION: []
 REPORT TO [] INVOICE TO []

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
 2. PLEASE USE ONE LINE PER SAMPLE. NOT PER BOTTLE.
 3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
 4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICED TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

IMPORTANT!