

Final Report

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 1550010
System Name: Rochester
City: Rochester

Program Code: HC

Type: B

Date Received: 11/13/25 15:01
Rep. Temp. (°C): 0.8

Collector Name: Leif Klarquist
Collector ID: None

MDH Sample Number: 25K0870-01

Location ID: E01
Sampling Point: Well #11 Entry Point

Collect Date: 11/12/25
Collect Time: 13:29
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO4 Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	V1
PFBA	0.97	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	J
PFBS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFHxS	0.92	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	J
PFMBA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:30	APM	EPA 533	

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Stefan Saravia, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-02

Location ID: E04
Sampling Point: Well #15 Entry Point

Collect Date: 11/12/25
Collect Time: 09:13
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	V1
PFBA	3.4	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFBS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFHxS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0842	11/19/25 08:47	11/21/25 10:44	APM	EPA 533	

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Stefan Saravia, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-03

Location ID: E06
Sampling Point: Well #17 Entry Point

Collect Date: 11/12/25
Collect Time: 09:57
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFDaA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:05	APM	EPA 533	

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Stefan Saravia, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-04

Location ID: E07
Sampling Point: Well #18 Entry Point

Collect Date: 11/12/25
Collect Time: 14:24
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFDaA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFHxS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:18	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-05

Location ID: E08
Sampling Point: Well #19 Entry Point

Collect Date: 11/12/25
Collect Time: 13:14
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFBA	2.9	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFHxS	2.5	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFOA	0.96	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	J
PFOS	1.2	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	J
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:32	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-06

Location ID: E10
Sampling Point: Well #21 Entry Point

Collect Date: 11/12/25
Collect Time: 11:26
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFDaA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:45	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-07

Location ID: E11
Sampling Point: Well #22 Entry Point

Collect Date: 11/12/25
Collect Time: 09:00
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFBA	2.1	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFHxS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 12:58	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-08

Location ID: E12
Sampling Point: Well #23 Entry Point

Collect Date: 11/12/25
Collect Time: 10:55
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFDaA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFHxS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:12	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-09

Location ID: E13
Sampling Point: Well #24 Entry Point

Collect Date: 11/12/25
Collect Time: 09:43
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFDaA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:25	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-10

Location ID: E14
Sampling Point: Well #25 Entry Point

Collect Date: 11/12/25
Collect Time: 13:44
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFDaA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFHxS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:39	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-11

Location ID: E15
Sampling Point: Well #26 Entry Point

Collect Date: 11/12/25
Collect Time: 14:09
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFBA	1.7	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	J
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFDoA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 13:52	APM	EPA 533	

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Stefan Saravia, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-12

Location ID: E16
Sampling Point: Well #27 Entry Point

Collect Date: 11/12/25
Collect Time: 10:41
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFBA	1.4	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	J
PFBS	0.55	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	J
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFHxA	0.89	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	J
PFHxS	4.8	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFOS	2.7	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	
PFPeS	0.45	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	J
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:06	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-13

Location ID: E17
Sampling Point: Well #28 Entry Point

Collect Date: 11/12/25
Collect Time: 08:47
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFBA	2.2	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFDoA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:33	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-14

Location ID: E18
Sampling Point: Well #29 Entry Point

Collect Date: 11/12/25
Collect Time: 12:57
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFBA	1.3	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	J
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFDoA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:46	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-15

Location ID: E20
Sampling Point: Well #31 Entry Point

Collect Date: 11/12/25
Collect Time: 12:43
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFBA	1.6	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	J
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFHxS	1.7	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	J
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 14:59	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-16

Location ID: E21
Sampling Point: Well #32 Entry Point

Collect Date: 11/12/25
Collect Time: 10:28
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFBA	1.4	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	J
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFDaA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:13	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-17

Location ID: E22

Sampling Point: Well #33 Rose Harbor Entry Point

Collect Date: 11/12/25

Collect Time: 11:14

Matrix: Drinking Water

Field Residual Chlorine Result: None

Field Fluoride Result: None

Field pH Result: None

Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFDaA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:26	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-18

Location ID: E23
Sampling Point: Well #34 Entry Point

Collect Date: 11/12/25
Collect Time: 08:10
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFBA	3.4	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFDoA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:40	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-19

Location ID: E28
Sampling Point: Well #35 Entry Point

Collect Date: 11/12/25
Collect Time: 07:58
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	M1, Z-01
PFBA	2.6	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFHxS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 15:53	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-20

Location ID: E29
Sampling Point: Well #36 Entry Point

Collect Date: 11/12/25
Collect Time: 13:56
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFDaA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:34	APM	EPA 533	

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PWSID: 1550010

MDH Sample Number: 25K0870-21

Location ID: E30
Sampling Point: Well #37 Entry Point

Collect Date: 11/12/25
Collect Time: 10:13
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
ADONA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
NFDHA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFBA	0.99	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	J
PFBS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFDA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFDoA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFEESA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFHpA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFHpS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFHxA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFHxS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFMBA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFMPA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFNA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFOA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFOS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFPeA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFPeS	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	
PFUnA	<	1.8	ng/L	B5K0872	11/20/25 08:33	11/21/25 16:47	APM	EPA 533	

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PWSID: 1550010

MDH Sample Number: 25K0870-22

Location ID: E31
Sampling Point: Well #38 Entry Point

Collect Date: 11/12/25
Collect Time: 08:26
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	Z-01a
9CI-PF3ONS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
ADONA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
NFDHA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFBA	1.5	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	J
PFBS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFDA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFDoA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFEESA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFHpA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFHpS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFHxA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFHxS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFMBA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFMPA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFNA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFOA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFOS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFPeA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFPeS	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	
PFUnA	<	1.7	ng/L	B5K0872	11/20/25 08:33	11/21/25 17:00	APM	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-23

Location ID: E34
Sampling Point: Well #39 Entry Point

Collect Date: 11/12/25
Collect Time: 12:07
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	Z-01b
9CI-PF3ONS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
ADONA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
NFDHA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	L2
PFBA	1.1	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	J
PFBS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFDA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFDoA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFEESA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFHpA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFHpS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFHxA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFHxS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFMBA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFMPA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFNA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFOA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFOS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFPeA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFPeS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	
PFUnA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:21	ACA	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-24

Location ID: E36
Sampling Point: Well #40 Entry Point

Collect Date: 11/12/25
Collect Time: 12:29
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	Z-01b
9CI-PF3ONS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
ADONA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
NFDHA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	L2
PFBA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFBS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFDA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFDaA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFEESA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFHpA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFHpS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFHxA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFHxS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFMBA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFMPA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFNA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFOA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFOS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFPeA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFPeS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	
PFUnA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:35	ACA	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-25

Location ID: E37
Sampling Point: Well #41 Entry Point

Collect Date: 11/12/25
Collect Time: 11:37
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	Z-01b
9CI-PF3ONS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
ADONA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
NFDHA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	L2
PFBA	1.5	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	J
PFBS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFDA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFDoA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFEESA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFHpA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFHpS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFHxA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFHxS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFMBA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFMPA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFNA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFOA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFOS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFPeA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFPeS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	
PFUnA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 18:48	ACA	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-26

Location ID: E38
Sampling Point: Well #42 Entry Point

Collect Date: 11/12/25
Collect Time: 09:28
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
4:2FTS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
6:2FTS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
8:2FTS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	Z-01b
9CI-PF3ONS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
ADONA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
HFPO-DA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
NEtFOSAA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
NFDHA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	L2
PFBA	1.0	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	J
PFBS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFDA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFDoA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFEESA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFHpA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFHpS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFHxA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFHxS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFMBA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFMPA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFNA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFOA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFOS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFPeA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFPeS	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	
PFUnA	<	1.8	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:02	ACA	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

MDH Sample Number: 25K0870-27

Location ID: None
Sampling Point: Field Blank

Collect Date: 11/12/25
Collect Time: 07:58
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

PFAS in Water 533

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
11CI-PF3OUdS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
4:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
6:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
8:2FTS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	Z-01b
9CI-PF3ONS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
ADONA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
HFPO-DA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
NEtFOSAA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
NFDHA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	L2
PFBA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFBS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFDA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFDaA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFEESA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFHpA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFHpS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFHxA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFHxS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFMBA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFMPA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFNA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFOA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFOS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFPeA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFPeS	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	
PFUnA	<	1.7	ng/L	B5K0879	11/20/25 09:14	11/21/25 19:15	ACA	EPA 533	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

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Batch B5K0842 - PFAS in Water by 533

Blank (B5K0842-BLK1)

Prepared: 11/19/25 08:47 Analyzed: 11/21/25 05:35

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	<	1.6	ng/L							APM	
4:2FTS	<	1.6	ng/L							APM	
6:2FTS	<	1.6	ng/L							APM	
8:2FTS	<	1.6	ng/L							APM	
9CI-PF3ONS	<	1.6	ng/L							APM	
ADONA	<	1.6	ng/L							APM	
HFPO-DA	<	1.6	ng/L							APM	
NEtFOSAA	<	1.6	ng/L							APM	
NFDHA	<	1.6	ng/L							APM	V1
PFBA	<	1.6	ng/L							APM	
PFBS	<	1.6	ng/L							APM	
PFDA	<	1.6	ng/L							APM	
PFDaA	<	1.6	ng/L							APM	
PFEESA	<	1.6	ng/L							APM	
PFHpA	<	1.6	ng/L							APM	
PFHpS	<	1.6	ng/L							APM	
PFHxA	<	1.6	ng/L							APM	
PFHxS	<	1.6	ng/L							APM	
PFMBA	<	1.6	ng/L							APM	
PFMPA	<	1.6	ng/L							APM	
PFNA	<	1.6	ng/L							APM	
PFOA	<	1.6	ng/L							APM	
PFOS	<	1.6	ng/L							APM	
PFPeA	<	1.6	ng/L							APM	
PFPeS	<	1.6	ng/L							APM	
PFUnA	<	1.6	ng/L							APM	

LCS (B5K0842-BS1)

Prepared: 11/19/25 08:47 Analyzed: 11/21/25 05:21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	41	1.6	ng/L	37.76		110	70-130			APM	
4:2FTS	40	1.6	ng/L	37.52		108	70-130			APM	
6:2FTS	40	1.6	ng/L	38.08		106	70-130			APM	
8:2FTS	40	1.6	ng/L	38.4		103	70-130			APM	
9CI-PF3ONS	42	1.6	ng/L	37.36		113	70-130			APM	
ADONA	40	1.6	ng/L	37.84		107	70-130			APM	
HFPO-DA	45	1.6	ng/L	40		112	70-130			APM	
NEtFOSAA	36	1.6	ng/L	40		91	70-130			APM	

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Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

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Batch B5K0842 - PFAS in Water by 533

LCS (B5K0842-BS1)

Prepared: 11/19/25 08:47 Analyzed: 11/21/25 05:21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
NFDHA	51	1.6	ng/L	40		127	70-130			APM	V1
PFBA	44	1.6	ng/L	40		109	70-130			APM	
PFBS	40	1.6	ng/L	35.52		111	70-130			APM	
PFDA	44	1.6	ng/L	40		111	70-130			APM	
PFDoA	47	1.6	ng/L	40		118	70-130			APM	
PFEESA	41	1.6	ng/L	35.68		115	70-130			APM	
PFHpA	43	1.6	ng/L	40		108	70-130			APM	
PFHpS	42	1.6	ng/L	38.16		110	70-130			APM	
PFHxA	42	1.6	ng/L	40		105	70-130			APM	
PFHxS	39	1.6	ng/L	36.48		107	70-130			APM	
PFMBA	44	1.6	ng/L	40		111	70-130			APM	
PFMPA	44	1.6	ng/L	40		111	70-130			APM	
PFNA	45	1.6	ng/L	40		114	70-130			APM	
PFOA	44	1.6	ng/L	40		110	70-130			APM	
PFOS	42	1.6	ng/L	37.12		114	70-130			APM	
PFPeA	46	1.6	ng/L	40		114	70-130			APM	
PFPeS	43	1.6	ng/L	37.6		114	70-130			APM	
PFUnA	46	1.6	ng/L	40		116	70-130			APM	

Matrix Spike (B5K0842-MS1)

Source: 25K0850-01

Prepared: 11/19/25 08:47 Analyzed: 11/21/25 07:49

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	18	1.7	ng/L	16.29	<	108	70-130			APM	
4:2FTS	18	1.7	ng/L	16.18	<	108	70-130			APM	
6:2FTS	18	1.7	ng/L	16.42	<	107	70-130			APM	
8:2FTS	17	1.7	ng/L	16.56	<	104	70-130			APM	
9CI-PF3ONS	17	1.7	ng/L	16.11	<	108	70-130			APM	
ADONA	17	1.7	ng/L	16.32	<	104	70-130			APM	
HFPO-DA	17	1.7	ng/L	17.25	<	101	70-130			APM	
NEtFOSAA	15	1.7	ng/L	17.25	<	85	70-130			APM	
NFDHA	18	1.7	ng/L	17.25	<	107	70-130			APM	V1
PFBA	19	1.7	ng/L	17.25	<	108	70-130			APM	
PFBS	17	1.7	ng/L	15.32	<	108	70-130			APM	
PFDA	20	1.7	ng/L	17.25	<	115	70-130			APM	
PFDoA	18	1.7	ng/L	17.25	<	103	70-130			APM	
PFEESA	17	1.7	ng/L	15.39	<	109	70-130			APM	
PFHpA	18	1.7	ng/L	17.25	<	107	70-130			APM	
PFHpS	18	1.7	ng/L	16.46	<	107	70-130			APM	

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Batch B5K0842 - PFAS in Water by 533

Matrix Spike (B5K0842-MS1)

Source: 25K0850-01

Prepared: 11/19/25 08:47 Analyzed: 11/21/25 07:49

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
PFHxA	18	1.7	ng/L	17.25	<	107	70-130			APM	
PFHxS	17	1.7	ng/L	15.73	<	106	70-130			APM	
PFMBA	18	1.7	ng/L	17.25	<	102	70-130			APM	
PFMPA	20	1.7	ng/L	17.25	<	114	70-130			APM	
PFNA	19	1.7	ng/L	17.25	<	108	70-130			APM	
PFOA	18	1.7	ng/L	17.25	<	105	70-130			APM	
PFOS	17	1.7	ng/L	16.01	<	109	70-130			APM	
PFPeA	19	1.7	ng/L	17.25	<	109	70-130			APM	
PFPeS	18	1.7	ng/L	16.22	<	110	70-130			APM	
PFUnA	18	1.7	ng/L	17.25	<	105	70-130			APM	

Matrix Spike Dup (B5K0842-MSD1)

Source: 25K0850-01

Prepared: 11/19/25 08:47 Analyzed: 11/21/25 08:02

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	17	1.8	ng/L	16.62	<	103	70-130	2	30	APM	
4:2FTS	19	1.8	ng/L	16.51	<	113	70-130	6	30	APM	
6:2FTS	18	1.8	ng/L	16.76	<	109	70-130	3	30	APM	
8:2FTS	17	1.8	ng/L	16.90	<	103	70-130	1	30	APM	
9CI-PF3ONS	18	1.8	ng/L	16.44	<	106	70-130	0.2	30	APM	
ADONA	17	1.8	ng/L	16.65	<	104	70-130	3	30	APM	
HFPO-DA	18	1.8	ng/L	17.60	<	102	70-130	3	30	APM	
NEtFOSAA	15	1.8	ng/L	17.60	<	86	70-130	3	30	APM	
NFDHA	19	1.8	ng/L	17.60	<	108	70-130	3	30	APM	V1
PFBA	19	1.8	ng/L	17.60	<	106	70-130	0.2	30	APM	
PFBS	17	1.8	ng/L	15.63	<	109	70-130	3	30	APM	
PFDA	17	1.8	ng/L	17.60	<	96	70-130	16	30	APM	
PFDoA	17	1.8	ng/L	17.60	<	96	70-130	5	30	APM	
PFEESA	17	1.8	ng/L	15.70	<	111	70-130	5	30	APM	
PFHpA	19	1.8	ng/L	17.60	<	108	70-130	3	30	APM	
PFHpS	17	1.8	ng/L	16.79	<	102	70-130	3	30	APM	
PFHxA	19	1.8	ng/L	17.60	<	107	70-130	2	30	APM	
PFHxS	17	1.8	ng/L	16.05	<	105	70-130	2	30	APM	
PFMBA	19	1.8	ng/L	17.60	<	107	70-130	6	30	APM	
PFMPA	20	1.8	ng/L	17.60	<	112	70-130	0.04	30	APM	
PFNA	19	1.8	ng/L	17.60	<	109	70-130	3	30	APM	
PFOA	19	1.8	ng/L	17.60	<	105	70-130	2	30	APM	
PFOS	18	1.8	ng/L	16.33	<	107	70-130	0.6	30	APM	
PFPeA	19	1.8	ng/L	17.60	<	107	70-130	0.3	30	APM	

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Batch B5K0842 - PFAS in Water by 533

Matrix Spike Dup (B5K0842-MSD1)

Source: 25K0850-01

Prepared: 11/19/25 08:47 Analyzed: 11/21/25 08:02

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
PFPeS	18	1.8	ng/L	16.54	<	109	70-130	2	30	APM	
PFUnA	18	1.8	ng/L	17.60	<	102	70-130	0.6	30	APM	

Batch B5K0872 - PFAS in Water by 533

Blank (B5K0872-BLK1)

Prepared: 11/20/25 08:33 Analyzed: 11/21/25 11:51

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	<	1.6	ng/L							APM	
4:2FTS	<	1.6	ng/L							APM	
6:2FTS	<	1.6	ng/L							APM	
8:2FTS	<	1.6	ng/L							APM	Z-01a
9CI-PF3ONS	<	1.6	ng/L							APM	
ADONA	<	1.6	ng/L							APM	
HFPO-DA	<	1.6	ng/L							APM	
NEtFOSAA	<	1.6	ng/L							APM	
NFDHA	<	1.6	ng/L							APM	
PFBA	<	1.6	ng/L							APM	
PFBS	<	1.6	ng/L							APM	
PFDA	<	1.6	ng/L							APM	
PFDoA	<	1.6	ng/L							APM	
PFEESA	<	1.6	ng/L							APM	
PFHpA	<	1.6	ng/L							APM	
PFHpS	<	1.6	ng/L							APM	
PFHxA	<	1.6	ng/L							APM	
PFHxS	<	1.6	ng/L							APM	
PFMBA	<	1.6	ng/L							APM	
PFMPA	<	1.6	ng/L							APM	
PFNA	<	1.6	ng/L							APM	
PFOA	<	1.6	ng/L							APM	
PFOS	<	1.6	ng/L							APM	
PFPeA	<	1.6	ng/L							APM	
PFPeS	<	1.6	ng/L							APM	
PFUnA	<	1.6	ng/L							APM	

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Batch B5K0872 - PFAS in Water by 533

MRL Check (B5K0872-MRL1)

Prepared: 11/20/25 08:33 Analyzed: 11/21/25 11:38

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	1.6	1.6	ng/L	1.51		103	50-150			APM	J
4:2FTS	1.7	1.6	ng/L	1.50		115	50-150			APM	
6:2FTS	1.7	1.6	ng/L	1.52		115	50-150			APM	
8:2FTS	1.6	1.6	ng/L	1.53		101	50-150			APM	J, Z-01a
9CI-PF3ONS	1.6	1.6	ng/L	1.49		105	50-150			APM	J
ADONA	1.5	1.6	ng/L	1.51		100	50-150			APM	J
HFPO-DA	1.7	1.6	ng/L	1.6		107	50-150			APM	
NEtFOSAA	1.3	1.6	ng/L	1.6		80	50-150			APM	J
NFDHA	2.1	1.6	ng/L	1.6		129	50-150			APM	
PFBA	1.7	1.6	ng/L	1.6		106	50-150			APM	
PFBS	1.5	1.6	ng/L	1.42		106	50-150			APM	J
PFDA	1.8	1.6	ng/L	1.6		110	50-150			APM	
PFDoA	1.5	1.6	ng/L	1.6		92	50-150			APM	J
PFEESA	1.6	1.6	ng/L	1.42		114	50-150			APM	
PFHpA	1.6	1.6	ng/L	1.6		101	50-150			APM	
PFHpS	1.5	1.6	ng/L	1.52		101	50-150			APM	J
PFHxA	1.7	1.6	ng/L	1.6		106	50-150			APM	
PFHxS	1.6	1.6	ng/L	1.45		108	50-150			APM	J
PFMBA	1.6	1.6	ng/L	1.6		102	50-150			APM	
PFMPA	1.7	1.6	ng/L	1.6		103	50-150			APM	
PFNA	1.8	1.6	ng/L	1.6		110	50-150			APM	
PFOA	1.8	1.6	ng/L	1.6		110	50-150			APM	
PFOS	1.6	1.6	ng/L	1.48		110	50-150			APM	
PFPeA	1.8	1.6	ng/L	1.6		111	50-150			APM	
PFPeS	1.7	1.6	ng/L	1.50		110	50-150			APM	
PFUnA	1.8	1.6	ng/L	1.6		110	50-150			APM	

Matrix Spike (B5K0872-MS1)

Source: 25K0870-19

Prepared: 11/20/25 08:33 Analyzed: 11/21/25 16:07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	17	1.7	ng/L	16.15	<	103	70-130			APM	
4:2FTS	17	1.7	ng/L	16.05	<	107	70-130			APM	
6:2FTS	17	1.7	ng/L	16.29	<	105	70-130			APM	
8:2FTS	17	1.7	ng/L	16.43	<	106	70-130			APM	Z-01a
9CI-PF3ONS	17	1.7	ng/L	15.98	<	107	70-130			APM	
ADONA	17	1.7	ng/L	16.19	<	103	70-130			APM	
HFPO-DA	17	1.7	ng/L	17.11	<	100	70-130			APM	
NEtFOSAA	15	1.7	ng/L	17.11	<	88	70-130			APM	

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Batch B5K0872 - PFAS in Water by 533

Matrix Spike (B5K0872-MS1)				Source: 25K0870-19		Prepared: 11/20/25 08:33		Analyzed: 11/21/25 16:07			
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
NFDHA	26	1.7	ng/L	17.11	<	153	70-130			APM	M1, Z-01
PFBA	21	1.7	ng/L	17.11	2.6	106	70-130			APM	
PFBS	17	1.7	ng/L	15.19	<	112	70-130			APM	
PFDA	19	1.7	ng/L	17.11	<	110	70-130			APM	
PFDoA	16	1.7	ng/L	17.11	<	96	70-130			APM	
PFEESA	17	1.7	ng/L	15.26	<	111	70-130			APM	
PFHpA	18	1.7	ng/L	17.11	<	106	70-130			APM	
PFHpS	17	1.7	ng/L	16.32	<	103	70-130			APM	
PFHxA	18	1.7	ng/L	17.11	<	108	70-130			APM	
PFHxS	17	1.7	ng/L	15.61	<	106	70-130			APM	
PFMBA	17	1.7	ng/L	17.11	<	101	70-130			APM	
PFMPA	19	1.7	ng/L	17.11	<	111	70-130			APM	
PFNA	19	1.7	ng/L	17.11	<	110	70-130			APM	
PFOA	18	1.7	ng/L	17.11	<	108	70-130			APM	
PFOS	17	1.7	ng/L	15.88	<	107	70-130			APM	
PFPeA	18	1.7	ng/L	17.11	<	104	70-130			APM	
PFPeS	18	1.7	ng/L	16.08	<	109	70-130			APM	
PFUnA	18	1.7	ng/L	17.11	<	104	70-130			APM	

Matrix Spike Dup (B5K0872-MSD1)				Source: 25K0870-19		Prepared: 11/20/25 08:33		Analyzed: 11/21/25 16:20			
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11Cl-PF3OUdS	18	1.8	ng/L	16.66	<	106	70-130	5	30	APM	Z-01a
4:2FTS	19	1.8	ng/L	16.55	<	113	70-130	8	30	APM	
6:2FTS	18	1.8	ng/L	16.80	<	108	70-130	6	30	APM	
8:2FTS	18	1.8	ng/L	16.94	<	104	70-130	0.7	30	APM	
9Cl-PF3ONS	18	1.8	ng/L	16.48	<	107	70-130	4	30	APM	
ADONA	18	1.8	ng/L	16.69	<	108	70-130	8	30	APM	Z-01
HFPO-DA	19	1.8	ng/L	17.65	<	106	70-130	9	30	APM	
NEtFOSAA	14	1.8	ng/L	17.65	<	81	70-130	5	30	APM	
NFDHA	19	1.8	ng/L	17.65	<	110	70-130	30	30	APM	
PFBA	22	1.8	ng/L	17.65	2.6	110	70-130	6	30	APM	
PFBS	18	1.8	ng/L	15.67	<	113	70-130	4	30	APM	
PFDA	19	1.8	ng/L	17.65	<	108	70-130	1	30	APM	
PFDoA	19	1.8	ng/L	17.65	<	109	70-130	16	30	APM	
PFEESA	17	1.8	ng/L	15.74	<	111	70-130	3	30	APM	
PFHpA	19	1.8	ng/L	17.65	<	108	70-130	5	30	APM	
PFHpS	18	1.8	ng/L	16.84	<	106	70-130	7	30	APM	

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Batch B5K0872 - PFAS in Water by 533

Matrix Spike Dup (B5K0872-MSD1)

Source: 25K0870-19

Prepared: 11/20/25 08:33 Analyzed: 11/21/25 16:20

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
PFHxA	19	1.8	ng/L	17.65	<	107	70-130	2	30	APM	
PFHxS	18	1.8	ng/L	16.09	<	109	70-130	6	30	APM	
PFMBA	19	1.8	ng/L	17.65	<	107	70-130	9	30	APM	
PFMPA	20	1.8	ng/L	17.65	<	112	70-130	4	30	APM	
PFNA	19	1.8	ng/L	17.65	<	109	70-130	2	30	APM	
PFOA	19	1.8	ng/L	17.65	<	109	70-130	4	30	APM	
PFOS	18	1.8	ng/L	16.38	<	113	70-130	9	30	APM	
PFPeA	19	1.8	ng/L	17.65	<	108	70-130	7	30	APM	
PFPeS	19	1.8	ng/L	16.59	<	113	70-130	6	30	APM	
PFUnA	19	1.8	ng/L	17.65	<	105	70-130	4	30	APM	

Batch B5K0879 - PFAS in Water by 533

Blank (B5K0879-BLK1)

Prepared: 11/20/25 09:14 Analyzed: 11/21/25 18:08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	<	1.6	ng/L							ACA	
4:2FTS	<	1.6	ng/L							ACA	
6:2FTS	<	1.6	ng/L							ACA	
8:2FTS	<	1.6	ng/L							ACA	Z-01b
9CI-PF3ONS	<	1.6	ng/L							ACA	
ADONA	<	1.6	ng/L							ACA	
HFPO-DA	<	1.6	ng/L							ACA	
NEtFOSAA	<	1.6	ng/L							ACA	
NFDHA	<	1.6	ng/L							ACA	L2
PFBA	<	1.6	ng/L							ACA	
PFBS	<	1.6	ng/L							ACA	
PFDA	<	1.6	ng/L							ACA	
PFDoA	<	1.6	ng/L							ACA	
PFEESA	<	1.6	ng/L							ACA	
PFHpA	<	1.6	ng/L							ACA	
PFHpS	<	1.6	ng/L							ACA	
PFHxA	<	1.6	ng/L							ACA	
PFHxS	<	1.6	ng/L							ACA	
PFMBA	<	1.6	ng/L							ACA	
PFMPA	<	1.6	ng/L							ACA	
PFNA	<	1.6	ng/L							ACA	
PFOA	<	1.6	ng/L							ACA	

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Stefan Saravia, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

PWSID: 1550010

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Batch B5K0879 - PFAS in Water by 533

Blank (B5K0879-BLK1)

Prepared: 11/20/25 09:14 Analyzed: 11/21/25 18:08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
PFOS	<	1.6	ng/L							ACA	
PFPeA	<	1.6	ng/L							ACA	
PFPeS	<	1.6	ng/L							ACA	
PFUnA	<	1.6	ng/L							ACA	

LCS (B5K0879-BS1)

Prepared: 11/20/25 09:14 Analyzed: 11/21/25 17:54

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	20	1.6	ng/L	18.88		106	70-130			ACA	
4:2FTS	18	1.6	ng/L	18.76		94	70-130			ACA	
6:2FTS	20	1.6	ng/L	19.04		106	70-130			ACA	
8:2FTS	20	1.6	ng/L	19.2		104	70-130			ACA	Z-01b
9CI-PF3ONS	19	1.6	ng/L	18.68		104	70-130			ACA	
ADONA	19	1.6	ng/L	18.92		100	70-130			ACA	
HFPO-DA	20	1.6	ng/L	20		100	70-130			ACA	
NEtFOSAA	16	1.6	ng/L	20		80	70-130			ACA	
NFDHA	26	1.6	ng/L	20		131	70-130			ACA	L2
PFBA	21	1.6	ng/L	20		105	70-130			ACA	
PFBS	19	1.6	ng/L	17.76		107	70-130			ACA	
PFDA	22	1.6	ng/L	20		109	70-130			ACA	
PFDoA	22	1.6	ng/L	20		109	70-130			ACA	
PFEESA	19	1.6	ng/L	17.84		108	70-130			ACA	
PFHpA	22	1.6	ng/L	20		108	70-130			ACA	
PFHpS	20	1.6	ng/L	19.08		104	70-130			ACA	
PFHxA	21	1.6	ng/L	20		104	70-130			ACA	
PFHxS	19	1.6	ng/L	18.24		103	70-130			ACA	
PFMBA	21	1.6	ng/L	20		104	70-130			ACA	
PFMPA	21	1.6	ng/L	20		104	70-130			ACA	
PFNA	20	1.6	ng/L	20		102	70-130			ACA	
PFOA	21	1.6	ng/L	20		107	70-130			ACA	
PFOS	20	1.6	ng/L	18.56		107	70-130			ACA	
PFPeA	21	1.6	ng/L	20		106	70-130			ACA	
PFPeS	21	1.6	ng/L	18.8		113	70-130			ACA	
PFUnA	21	1.6	ng/L	20		106	70-130			ACA	

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Batch B5K0879 - PFAS in Water by 533

Matrix Spike (B5K0879-MS1)				Source: 25K0958-01		Prepared: 11/20/25 09:14 Analyzed: 11/21/25 20:22					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	18	1.8	ng/L	17.41	<	103	70-130			ACA	Z-01b
4:2FTS	19	1.8	ng/L	17.30	<	110	70-130			ACA	
6:2FTS	20	1.8	ng/L	17.56	<	112	70-130			ACA	
8:2FTS	18	1.8	ng/L	17.71	<	104	70-130			ACA	
9CI-PF3ONS	18	1.8	ng/L	17.23	<	103	70-130			ACA	
ADONA	17	1.8	ng/L	17.45	<	100	70-130			ACA	L2
HFPO-DA	19	1.8	ng/L	18.45	<	101	70-130			ACA	
NEtFOSAA	15	1.8	ng/L	18.45	<	81	70-130			ACA	
NFDHA	16	1.8	ng/L	18.45	<	86	70-130			ACA	
PFBA	21	1.8	ng/L	18.45	<	102	70-130			ACA	
PFBS	18	1.8	ng/L	16.38	<	107	70-130			ACA	
PFDA	19	1.8	ng/L	18.45	<	103	70-130			ACA	
PFDoA	20	1.8	ng/L	18.45	<	108	70-130			ACA	
PFEESA	17	1.8	ng/L	16.45	<	103	70-130			ACA	
PFHpA	20	1.8	ng/L	18.45	<	108	70-130			ACA	
PFHpS	18	1.8	ng/L	17.60	<	101	70-130			ACA	
PFHxA	19	1.8	ng/L	18.45	<	102	70-130			ACA	
PFHxS	17	1.8	ng/L	16.82	<	102	70-130			ACA	
PFMBA	19	1.8	ng/L	18.45	<	101	70-130			ACA	
PFMPA	21	1.8	ng/L	18.45	<	115	70-130			ACA	
PFNA	20	1.8	ng/L	18.45	<	107	70-130			ACA	
PFOA	19	1.8	ng/L	18.45	<	104	70-130			ACA	
PFOS	18	1.8	ng/L	17.12	<	105	70-130			ACA	
PFPeA	19	1.8	ng/L	18.45	<	102	70-130			ACA	
PFPeS	19	1.8	ng/L	17.34	<	109	70-130			ACA	
PFUnA	19	1.8	ng/L	18.45	<	105	70-130			ACA	

Matrix Spike Dup (B5K0879-MSD1)				Source: 25K0958-01		Prepared: 11/20/25 09:14 Analyzed: 11/21/25 20:36					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
11CI-PF3OUdS	17	1.8	ng/L	16.99	<	100	70-130	5	30	ACA	Z-01b
4:2FTS	18	1.8	ng/L	16.88	<	107	70-130	5	30	ACA	
6:2FTS	17	1.8	ng/L	17.13	<	100	70-130	14	30	ACA	
8:2FTS	16	1.8	ng/L	17.28	<	95	70-130	12	30	ACA	
9CI-PF3ONS	17	1.8	ng/L	16.81	<	101	70-130	5	30	ACA	
ADONA	17	1.8	ng/L	17.03	<	97	70-130	6	30	ACA	
HFPO-DA	17	1.8	ng/L	18.00	<	96	70-130	8	30	ACA	
NEtFOSAA	14	1.8	ng/L	18.00	<	78	70-130	6	30	ACA	

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Batch B5K0879 - PFAS in Water by 533

Matrix Spike Dup (B5K0879-MSD1)			Source: 25K0958-01		Prepared: 11/20/25 09:14 Analyzed: 11/21/25 20:36						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
NFDHA	17	1.8	ng/L	18.00	<	94	70-130	7	30	ACA	L2
PFBA	19	1.8	ng/L	18.00	<	97	70-130	7	30	ACA	
PFBS	17	1.8	ng/L	15.98	<	103	70-130	6	30	ACA	
PFDA	17	1.8	ng/L	18.00	<	96	70-130	9	30	ACA	
PFDoA	16	1.8	ng/L	18.00	<	91	70-130	19	30	ACA	
PFEESA	17	1.8	ng/L	16.05	<	104	70-130	0.9	30	ACA	
PFHpA	18	1.8	ng/L	18.00	<	101	70-130	9	30	ACA	
PFHpS	17	1.8	ng/L	17.17	<	99	70-130	4	30	ACA	
PFHxA	18	1.8	ng/L	18.00	<	100	70-130	4	30	ACA	
PFHxS	17	1.8	ng/L	16.41	<	102	70-130	3	30	ACA	
PFMBA	18	1.8	ng/L	18.00	<	97	70-130	6	30	ACA	
PFMPA	20	1.8	ng/L	18.00	<	111	70-130	6	30	ACA	
PFNA	19	1.8	ng/L	18.00	<	103	70-130	6	30	ACA	
PFOA	18	1.8	ng/L	18.00	<	98	70-130	8	30	ACA	
PFOS	17	1.8	ng/L	16.70	<	104	70-130	3	30	ACA	
PFPeA	17	1.8	ng/L	18.00	<	96	70-130	9	30	ACA	
PFPeS	18	1.8	ng/L	16.92	<	109	70-130	3	30	ACA	
PFUnA	19	1.8	ng/L	18.00	<	107	70-130	0.8	30	ACA	

Data Qualifiers and Definitions

J	Analyte was present between the method detection limit and reporting limit and should be considered an estimated value.
L2	The spike recovery was above laboratory acceptance limits for the associated laboratory control sample and/or laboratory control sample duplicate. Target analyte was not detected in the sample.
M1	Matrix spike and/or matrix spike duplicate recovery was high; the associated laboratory control sample and/or laboratory control sample duplicate recovery was acceptable.
V1	Calibration verification standard recovery was above method acceptance limits. This target analyte was not detected in the sample.
Z-01	Matrix spike/matrix spike duplicate relative percent difference exceeded the laboratory acceptance criteria . The MS recovery failed high, while the MSD recovery was acceptable.
Z-01a	The isotope dilution analogue did not meet acceptance criteria in the continuing calibration verification standard. The analyte met acceptance criteria in all associated quality control samples.
Z-01b	The isotope dilution analogue did not meet method acceptance criteria in the calibration verification standard. The target analyte did meet acceptance criteria in the calibration verification standard.

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Work Order Comments

PFAS 533 added to SP-27 and client notified. -CTS 11/20/25

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