ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis

Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345

Project Description: PFAS Private Wells - Starks

Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343481 UL044 Collected: 10/12/22 Analyzed: 10/21/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Perfluorohexanoic acid (PFHxA)	18.5	ng/L	1	0.47	1.6		
Perfluoroheptanoic acid (PFHpA)	25	ng/L	1	0.44	1.5		
Perfluorooctanoic acid (PFOA)	34.2	ng/L	1	0.35	1.2		
Perfluorononanoic acid (PFNA)	ND	ng/L	1	0.30	0.98		
Perfluorodecanoic acid (PFDA)	ND	ng/L	1	0.29	0.96		
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	1	0.26	0.85		
Perfluorododecanoic acid (PFDoA)	ND	ng/L	1	0.20	0.67		
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	1	0.38	1.3		
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	1	0.31	1.0		
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	1	0.30	1.0		
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	1	0.34	1.1		
Perfluorooctanesulfonic acid (PFOS)	[0.60]	ng/L	1	0.31	1.0		J
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	1	0.37	1.2		
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	1	0.54	1.8		
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	1	0.41	1.4		
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	1	0.20	0.66		
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	1	0.33	1.1		
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	1	0.28	0.92		
C13-PFHxA (SURR)	90.4%		1				S
C13-HFPODA (SURR)	92.1%		1				S
C13-PFDA (SURR)	87.3%		1				S
d5-NEtFOSAA (SURR)	90.7%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343482 UL044 FB Collected: 10/12/22 Analyzed: 10/24/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Perfluorohexanoic acid (PFHxA)	ND	ng/L	1	0.47	1.6	
Perfluoroheptanoic acid (PFHpA)	ND	ng/L	1	0.44	1.5	
Perfluorooctanoic acid (PFOA)	ND	ng/L	1	0.35	1.2	
Perfluorononanoic acid (PFNA)	ND	ng/L	1	0.30	0.98	
Perfluorodecanoic acid (PFDA)	ND	ng/L	1	0.29	0.96	
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	1	0.26	0.85	
Perfluorododecanoic acid (PFDoA)	ND	ng/L	1	0.20	0.67	
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	1	0.38	1.3	
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	1	0.31	1.0	
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	1	0.30	1.0	
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	1	0.34	1.1	
Perfluorooctanesulfonic acid (PFOS)	ND	ng/L	1	0.31	1.0	
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	1	0.37	1.2	
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	1	0.54	1.8	
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	1	0.41	1.4	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	1	0.20	0.66	
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	1	0.33	1.1	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	1	0.28	0.92	
C13-PFHxA (SURR)	92%		1			S
C13-HFPODA (SURR)	80.3%		1			S
C13-PFDA (SURR)	97.5%		1			S
d5-NEtFOSAA (SURR)	95.2%		1			S

NOTES APPLICABLE TO THIS ANALYSIS:
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ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343483 JD846 Collected: 10/12/22 Analyzed: 10/25/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Perfluorohexanoic acid (PFHxA)	108	ng/L	2.5	1.2	4.0		MSL
Perfluoroheptanoic acid (PFHpA)	120	ng/L	2.5	1.1	3.7		MSL
Perfluorooctanoic acid (PFOA)	175	ng/L	5	1.8	5.9		BD MSH
Perfluorononanoic acid (PFNA)	5.05	ng/L	2.5	0.74	2.5		
Perfluorodecanoic acid (PFDA)	ND	ng/L	2.5	0.72	2.4		
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	2.5	0.64	2.1		
Perfluorododecanoic acid (PFDoA)	ND	ng/L	2.5	0.50	1.7		
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	2.5	0.95	3.2		
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	2.5	0.78	2.6		
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	2.5	0.75	2.5		
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	2.5	0.85	2.8		
Perfluorooctanesulfonic acid (PFOS)	9.77	ng/L	2.5	0.77	2.6		
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	2.5	0.92	3.1		
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	2.5	1.3	4.5		
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	2.5	1.0	3.4		
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	2.5	0.50	1.7		
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	2.5	0.83	2.8		
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	2.5	0.69	2.3		
C13-PFHxA (SURR)	103%		2.5				S
C13-HFPODA (SURR)	92.8%		2.5				S
C13-PFDA (SURR)	99.1%		2.5				S
d5-NEtFOSAA (SURR)	91.2%		2.5				S

NOTES APPLICABLE TO THIS ANALYSIS:

S = This compound is a surrogate used to evaluate the quality control of a method.
IV = Initial extract is 100 mL.
MSH = Matrix spike recovered above QC limits.
MSL = Matrix spike recovered below QC limits.
BD = Compound was detected in the laboratory method blank.
Perfluorooctanoic acid (PFOA) detected at .43 ng/L.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343484 JD846 FB Collected: 10/12/22 Analyzed: 10/24/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Perfluorohexanoic acid (PFHxA)	ND	ng/L	1	0.47	1.6	
Perfluoroheptanoic acid (PFHpA)	ND	ng/L	1	0.44	1.5	
Perfluorooctanoic acid (PFOA)	ND	ng/L	1	0.35	1.2	
Perfluorononanoic acid (PFNA)	ND	ng/L	1	0.30	0.98	
Perfluorodecanoic acid (PFDA)	ND	ng/L	1	0.29	0.96	
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	1	0.26	0.85	
Perfluorododecanoic acid (PFDoA)	ND	ng/L	1	0.20	0.67	
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	1	0.38	1.3	
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	1	0.31	1.0	
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	1	0.30	1.0	
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	1	0.34	1.1	
Perfluorooctanesulfonic acid (PFOS)	ND	ng/L	1	0.31	1.0	
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	1	0.37	1.2	
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	1	0.54	1.8	
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	1	0.41	1.4	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	1	0.20	0.66	
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	1	0.33	1.1	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	1	0.28	0.92	
C13-PFHxA (SURR)	90%		1			S
C13-HFPODA (SURR)	81.9%		1			S
C13-PFDA (SURR)	91.3%		1			S
d5-NEtFOSAA (SURR)	87.2%		1			S

NOTES APPLICABLE TO THIS ANALYSIS:
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ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343485 8CC089 Collected: 10/12/22 Analyzed: 10/21/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Perfluorohexanoic acid (PFHxA)	176	ng/L	25	12	40		
Perfluoroheptanoic acid (PFHpA)	214	ng/L	25	11	37		
Perfluorooctanoic acid (PFOA)	665	ng/L	25	8.8	29		
Perfluorononanoic acid (PFNA)	[14.3]	ng/L	25	7.4	25		J
Perfluorodecanoic acid (PFDA)	ND	ng/L	25	7.2	24		
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	25	6.4	21		
Perfluorododecanoic acid (PFDoA)	ND	ng/L	25	5.0	17		
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	25	9.5	32		
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	25	7.8	26		
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	25	7.5	25		
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	25	8.5	28		
Perfluorooctanesulfonic acid (PFOS)	59.6	ng/L	25	7.7	26		
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	25	9.2	31		
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	25	13	45		
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	25	10	34		
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	25	5.0	17		
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	25	8.3	28		
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	25	6.9	23		
C13-PFHxA (SURR)	87%		25				S
C13-HFPODA (SURR)	92.1%		25				S
C13-PFDA (SURR)	85.4%		25				S
d5-NEtFOSAA (SURR)	87.1%		25				S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.
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IV = Initial extract is 10 mL.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343486 8CC089 FB Collected: 10/12/22 Analyzed: 10/24/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Perfluorohexanoic acid (PFHxA)	ND	ng/L	1	0.47	1.6	
Perfluoroheptanoic acid (PFHpA)	ND	ng/L	1	0.44	1.5	
Perfluorooctanoic acid (PFOA)	ND	ng/L	1	0.35	1.2	
Perfluorononanoic acid (PFNA)	ND	ng/L	1	0.30	0.98	
Perfluorodecanoic acid (PFDA)	ND	ng/L	1	0.29	0.96	
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	1	0.26	0.85	
Perfluorododecanoic acid (PFDoA)	ND	ng/L	1	0.20	0.67	
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	1	0.38	1.3	
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	1	0.31	1.0	
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	1	0.30	1.0	
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	1	0.34	1.1	
Perfluorooctanesulfonic acid (PFOS)	ND	ng/L	1	0.31	1.0	
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	1	0.37	1.2	
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	1	0.54	1.8	
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	1	0.41	1.4	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	1	0.20	0.66	
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	1	0.33	1.1	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	1	0.28	0.92	
C13-PFHxA (SURR)	90.5%		1			S
C13-HFPODA (SURR)	86.2%		1			S
C13-PFDA (SURR)	96.4%		1			S
d5-NEtFOSAA (SURR)	94.3%		1			S

NOTES APPLICABLE TO THIS ANALYSIS:
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ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343487 8CC087 Collected: 10/12/22 Analyzed: 10/21/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Perfluorohexanoic acid (PFHxA)	185	ng/L	25	12	40		
Perfluoroheptanoic acid (PFHpA)	374	ng/L	25	11	37		
Perfluorooctanoic acid (PFOA)	2020	ng/L	50	18	59		
Perfluorononanoic acid (PFNA)	[8.47]	ng/L	25	7.4	25		J
Perfluorodecanoic acid (PFDA)	ND	ng/L	25	7.2	24		
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	25	6.4	21		
Perfluorododecanoic acid (PFDoA)	ND	ng/L	25	5.0	17		
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	25	9.5	32		
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	25	7.8	26		
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	25	7.5	25		
Perfluorohexanesulfonic acid (PFHxS)	[26.4]	ng/L	25	8.5	28		J
Perfluorooctanesulfonic acid (PFOS)	156	ng/L	25	7.7	26		
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	25	9.2	31		
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	25	13	45		
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	25	10	34		
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	25	5.0	17		
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	25	8.3	28		
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	25	6.9	23		
C13-PFHxA (SURR)	96.4%		25				S
C13-HFPODA (SURR)	92.5%		25				S
C13-PFDA (SURR)	86.7%		25				S
d5-NEtFOSAA (SURR)	86.7%		25				S

NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.
S = This compound is a surrogate used to evaluate the quality control of a method.
IV = Initial extract is 10 mL.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343488 8CC087 FB Collected: 10/12/22 Analyzed: 10/24/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Perfluorohexanoic acid (PFHxA)	ND	ng/L	1	0.47	1.6	
Perfluoroheptanoic acid (PFHpA)	ND	ng/L	1	0.44	1.5	
Perfluorooctanoic acid (PFOA)	ND	ng/L	1	0.35	1.2	
Perfluorononanoic acid (PFNA)	ND	ng/L	1	0.30	0.98	
Perfluorodecanoic acid (PFDA)	ND	ng/L	1	0.29	0.96	
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	1	0.26	0.85	
Perfluorododecanoic acid (PFDoA)	ND	ng/L	1	0.20	0.67	
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	1	0.38	1.3	
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	1	0.31	1.0	
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	1	0.30	1.0	
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	1	0.34	1.1	
Perfluorooctanesulfonic acid (PFOS)	ND	ng/L	1	0.31	1.0	
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	1	0.37	1.2	
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	1	0.54	1.8	
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	1	0.41	1.4	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	1	0.20	0.66	
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	1	0.33	1.1	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	1	0.28	0.92	
C13-PFHxA (SURR)	87.3%		1			S
C13-HFPODA (SURR)	81.2%		1			S
C13-PFDA (SURR)	92.8%		1			S
d5-NEtFOSAA (SURR)	82%		1			S

NOTES APPLICABLE TO THIS ANALYSIS:
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ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343489 JD847 Collected: 10/12/22 Analyzed: 10/21/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Perfluorohexanoic acid (PFHxA)	368	ng/L	25	12	40		
Perfluoroheptanoic acid (PFHpA)	624	ng/L	25	11	37		
Perfluorooctanoic acid (PFOA)	2910	ng/L	50	18	59		
Perfluorononanoic acid (PFNA)	ND	ng/L	25	7.4	25		
Perfluorodecanoic acid (PFDA)	ND	ng/L	25	7.2	24		
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	25	6.4	21		
Perfluorododecanoic acid (PFDoA)	ND	ng/L	25	5.0	17		
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	25	9.5	32		
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	25	7.8	26		
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	25	7.5	25		
Perfluorohexanesulfonic acid (PFHxS)	45.9	ng/L	25	8.5	28		
Perfluorooctanesulfonic acid (PFOS)	74	ng/L	25	7.7	26		
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	25	9.2	31		
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	25	13	45		
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	25	10	34		
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	25	5.0	17		
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	25	8.3	28		
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	25	6.9	23		
C13-PFHxA (SURR)	96.3%		25				S
C13-HFPODA (SURR)	95.8%		25				S
C13-PFDA (SURR)	92.4%		25				S
d5-NEtFOSAA (SURR)	87.1%		25				S

NOTES APPLICABLE TO THIS ANALYSIS:
S = This compound is a surrogate used to evaluate the quality control of a method.
IV = Initial extract is 10 mL.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA Method 537.1 Safe Drinking Water Analysis
Customer: Wisconsin Department of Natural Resources NLS Project: 394327 PO # 37000-0000022345
Project Description: PFAS Private Wells - Starks
Project Title: Template: 537.1 Printed: 10/26/2022 09:02

Sample: 1343490 JD847 FB Collected: 10/12/22 Analyzed: 10/24/22 - Analytes: 18

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Perfluorohexanoic acid (PFHxA)	ND	ng/L	1	0.47	1.6	
Perfluoroheptanoic acid (PFHpA)	ND	ng/L	1	0.44	1.5	
Perfluorooctanoic acid (PFOA)	ND	ng/L	1	0.35	1.2	
Perfluorononanoic acid (PFNA)	ND	ng/L	1	0.30	0.98	
Perfluorodecanoic acid (PFDA)	ND	ng/L	1	0.29	0.96	
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	1	0.26	0.85	
Perfluorododecanoic acid (PFDoA)	ND	ng/L	1	0.20	0.67	
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	1	0.38	1.3	
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	1	0.31	1.0	
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	1	0.30	1.0	
Perfluorohexanesulfonic acid (PFHxS)	ND	ng/L	1	0.34	1.1	
Perfluorooctanesulfonic acid (PFOS)	ND	ng/L	1	0.31	1.0	
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	1	0.37	1.2	
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	1	0.54	1.8	
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	1	0.41	1.4	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	1	0.20	0.66	
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	ng/L	1	0.33	1.1	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	1	0.28	0.92	
C13-PFHxA (SURR)	91.2%		1			S
C13-HFPODA (SURR)	85.2%		1			S
C13-PFDA (SURR)	86.2%		1			S
d5-NEtFOSAA (SURR)	86.7%		1			S

NOTES APPLICABLE TO THIS ANALYSIS:
S = This compound is a surrogate used to evaluate the quality control of a method.