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

Customer: Wisconsin Department of Natural Resources NLS Project: 392855

Project Description: PFAS Private Wells

Project Title: Template: 537.1 Printed: 09/30/2022 16:02

Sample: 1338491 EJ981 Follow-up Collected: 09/22/22 Analyzed: 09/29/2	22 - Analytes: 18	3				
ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Perfluorohexanoic acid (PFHxA)	1770	ng/L	250	120	400	
Perfluoroheptanoic acid (PFHpA)	2410	ng/L	250	110	370	
Perfluorooctanoic acid (PFOA)	11900	ng/L	250	88	290	
Perfluorononanoic acid (PFNA)	560	ng/L	250	74	250	
Perfluorodecanoic acid (PFDA)	ND	ng/L	250	72	240	
Perfluoroundecanoic acid (PFUnA)	ND	ng/L	250	64	210	
Perfluorododecanoic acid (PFDoA)	ND	ng/L	250	50	170	
Perfluorotridecanoic acid (PFTriA)	ND	ng/L	250	95	320	
Perfluorotetradecanoic acid (PFTeA)	ND	ng/L	250	78	260	
Perfluorobutanesulfonic acid (PFBS)	ND	ng/L	250	75	250	
Perfluorohexanesulfonic acid (PFHxS)	[128]	ng/L	250	85	280	J
Perfluorooctanesulfonic acid (PFOS)	3410	ng/L	250	77	260	
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND	ng/L	250	92	310	
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND	ng/L	250	130	450	
Hexafluoropropylene oxide dimer acid (GenX)	ND	ng/L	250	100	340	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND	ng/L	250	50	170	
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND	ng/L	250	83	280	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PF3OUdS)	ND	ng/L	250	69	230	
C13-PFHxA (SURR)	92.6%	•	250		•	S
C13-HFPODA (SURR)	91.7%		250			S
C13-PFDA (SURR)	86.2%		250			S
d5-NEtFOSAA (SURR)	84.5%		250			S

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NOTES APPLICABLE TO THIS ANALYSIS:

IV = Initial extract is 1 mL.

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

S = Surrogate (SURR): A non-target analyte that has similar chemical properties to the analytes of interest. The surrogate is added to the sample in a known amount and is used to evaluate method performance of the sample.

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

Customer: Wisconsin Department of Natural Resources NLS Project: 392855

Project Description: PFAS Private Wells

Project Title: Template: 537.1 Printed: 09/30/2022 16:02

Sample: 1338492 EJ981 Follow-up FB Collected: 09/22/22 Analyzed: 0						
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 (9CI-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)	90.2%		1			S
C13-HFPODA (SURR)	88%		1		•	S
C13-PFDA (SURR)	82.7%		1		•	S
d5-NEtFOSAA (SURR)	77.3%		1		•	S

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NOTES APPLICABLE TO THIS ANALYSIS:

S = Surrogate (SURR): A non-target analyte that has similar chemical properties to the analytes of interest. The surrogate is added to the sample in a known amount and is used to evaluate method performance of the sample.