

Summary of March 2021 Private Well Analytical Results - PFAS

Analyte	Sample Name		NPS Well	PW-010	PW-012		PW-037	PW-038	PW-039	PW-040	
	EPA LHA	Units	3/25/2021	3/24/2021	3/24/2021 (DUP)	3/24/2021	3/25/2021	3/25/2021	3/25/2021	3/25/2021 (DUP)	3/25/2021
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	10	<1.8	1.3 J	1.5 J	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorohexanoic acid (PFHxA)	-	ng/L	5.1	<1.8	0.62 J	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluoroheptanoic acid (PFHpA)	-	ng/L	2.2	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorononanoic acid (PFNA)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	1.0 J	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorodecanoic acid (PFDA)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorododecanoic acid (PFDoA)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<4.6	<4.4	<4.4	<4.4	<4.4	<4.1	<4.5	<4.3	<4.5
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<4.6	<4.4	<4.4	<4.4	<4.4	<4.1	<4.5	<4.3	<4.5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<1.9	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<3.7	<3.5	<3.5	<3.5	<3.5	<3.3	<3.6	<3.5	<3.6
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	7.1	0.79 J	6.1	7.7	<1.7	<1.6	<1.8	<1.7	<1.8
Perfluorooctanoic acid (PFOA)		ng/L	2.7	<1.8	<1.8	<1.8	<1.7	<1.6	<1.8	<1.7	<1.8
LHA Combined (PFOS + PFOA)	70†	ng/L	9.8	0.79 J‡	6.1 ‡	7.7 ‡	N/A	N/A	N/A	N/A	N/A

ng/L nanograms per liter, equivalent to parts per trillion

EPA Environmental Protection Agency

LHA Lifetime Health Advisory

† EPA LHA level is 70 ppt for PFOS and PFOA combined.

< Analyte not detected; listed as less than the reporting limit (RL) unless otherwise flagged due to quality-control (QC) failures.

DUP Field-duplicate sample

J Estimated concentration, detected greater than the method detection limit (MDL) and less than the RL. Flag applied by the laboratory.

JH* Result considered estimated, biased high, due to a QC failure. Flag applied by Shannon & Wilson, Inc.

‡ Minimum concentration, the LHA Combined concentration includes one or more result that is not detected greater than the MDL.

N/A Not applicable. The LHA Combined concentration could not be calculated because PFOS and PFOA were not detected in the project sample.

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Analyte	Sample Name		PW-059	PW-203	PW-208	PW-211	PW-221	PW-401	
	EPA LHA	Units	3/24/2021	3/23/2021	3/23/2021	3/24/2021	3/24/2021	3/23/2021 (DUP)	3/23/2021
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	1.7	0.90 J	0.52 J	<1.8	0.90 J	6.5	7.7
Perfluorohexanoic acid (PFHxA)	-	ng/L	1.1 J	<1.7	2.3	<1.8	0.52 J	3.5	4.4
Perfluoroheptanoic acid (PFHpA)	-	ng/L	0.26 J	<1.7	<1.8	<1.8	<1.8	1.4 J	1.5 J
Perfluorononanoic acid (PFNA)	-	ng/L	<1.7	0.50 J	<1.8	<1.8	<1.8	<1.9	<1.8
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	1.3 J	<1.7	0.33 JH*	<1.8	<1.8	0.45 J	0.74 J
Perfluorodecanoic acid (PFDA)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
Perfluorododecanoic acid (PFDoA)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
Perfluorotridecanoic acid (PFTTrDA)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<4.3	<4.3	<4.6	<4.5	<4.5	<4.7	<4.5
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<4.3	<4.3	<4.6	<4.5	<4.5	<4.7	<4.5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<1.7	<1.7	<1.8	<1.8	<1.8	<1.9	<1.8
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<3.4	<3.4	<3.7	<3.6	<3.6	<3.7	<3.6
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	1.6 J	1.8	1.6 J	<1.8	2.1	29	30
Perfluorooctanoic acid (PFOA)		ng/L	0.96 J	<1.7	<1.8	<1.8	<1.8	<1.9	1.0 J
LHA Combined (PFOS + PFOA)	70†	ng/L	2.6 J	1.8 ‡	1.6 J‡	N/A	2.1 ‡	29 ‡	31 J