

Summary of June 2021 Private Well Analytical Results - PFAS

Analyte	Sample Name		PW-010	PW-012	PW-037	PW-038	PW-039	PW-040	PW-045	PW-059	PW-062	PW-203	PW-204.1	
	EPA LHA	Units	6/22/2021	6/21/2021 DUP	6/21/2021	6/23/2021	6/23/2021	6/23/2021	6/23/2021	6/22/2021	6/21/2021	6/22/2021	6/21/2021	
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	<1.9	5.2	4.8	<2.0	<1.9	<1.9	<2.1	0.94 J	2.1	<2.0	<2.0	30
Perfluorohexanoic acid (PFHxA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	0.92 J	<2.1	<1.9	1.3 J	0.63 J	<2.0	11
Perfluoroheptanoic acid (PFHpA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	0.33 J	0.39 J	<2.0	3.8
Perfluorononanoic acid (PFNA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	<1.9	0.27 J	0.21 J	<2.0	<1.9	<1.9	<2.1	<1.9	0.81 J	0.23 J	<2.0	2.4
Perfluorodecanoic acid (PFDA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<4.8	<5.2	<5.0	<4.9	<4.8	<4.8	<5.3	<4.8	<5.0	<4.9	<5.1	<5.0
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<4.8	<5.2	<5.0	<4.9	<4.8	<4.8	<5.3	<4.8	<5.0	<4.9	<5.1	<5.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<3.8	<4.2	<4.0	<3.9	<3.9	<3.8	<4.2	<3.9	<4.0	<3.9	<4.1	<4.0
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	<1.9	5.5	5.6	<2.0	<1.9	<1.9	<2.1	0.99 J	1.4 J	1.2 J	<2.0	49
Perfluorooctanoic acid (PFOA)		ng/L	<1.9	<2.1	<2.0	<2.0	<1.9	<1.9	<2.1	<1.9	<2.0	<2.0	<2.0	2.8
LHA Combined (PFOS + PFOA)	70†	ng/L	N/A	5.5 ‡	5.6 ‡	N/A	N/A	N/A	N/A	0.99 J‡	1.4 J‡	1.2 J‡	N/A	52

Notes: Sample results reported in TestAmerica Work Order J75575-1

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 LOQ unless otherwise flagged due to quality-control (QC) failures.

MDL method detection limit

LOQ limit of quantitation, used as the reporting limit

Bold Concentration exceeds LHA level.

DUP Field-duplicate sample

Bold Result exceeds EPA LHA.

J Estimated concentration, detected greater than the MDL and less than the LOQ. 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-205.1	PW-208.1	PW-211	PW-221		PW-401		PW-419
	EPA LHA	Units	6/21/2021	6/21/2021	6/21/2021	6/22/2021 (DUP)	6/22/2021	6/23/2021 (DUP)	6/23/2021	6/22/2021
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	1.5 J	11	0.76 J	0.60 J	0.59 J	1.8 J	2.2	0.93 J
Perfluorohexanoic acid (PFHxA)	-	ng/L	0.78 J	4.0	<2.0	<2.0	<1.9	1.1 J	1.2 J	<2.0
Perfluoroheptanoic acid (PFHpA)	-	ng/L	<2.1	1.7 J	<2.0	<2.0	<1.9	0.32 J	0.32 JH*	<2.0
Perfluorononanoic acid (PFNA)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	0.27 J	0.74 J	<2.0	<2.0	<1.9	<2.0	0.28 J	<2.0
Perfluorodecanoic acid (PFDA)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
Perfluorododecanoic acid (PFDoA)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<5.2	<5.0	<5.0	<5.0	<4.8	<4.9	<4.9	<5.0
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<5.2	<5.0	<5.0	<5.0	<4.8	<4.9	<4.9	<5.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<4.2	<4.0	<4.0	<4.0	<3.9	<3.9	<3.9	<4.0
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	2.2	67	<2.0	0.97 J	0.98 J	13	14	1.5 J
Perfluorooctanoic acid (PFOA)		ng/L	<2.1	2.6	<2.0	<2.0	<1.9	<2.0	<1.9	<2.0
LHA Combined (PFOS + PFOA)	70†	ng/L	2.2 ‡	70	n/a	0.97 J‡	0.98 J‡	13 ‡	14 ‡	1.5 J‡