

Table 2- September 2020 Monitoring Well Analytical PFAS Results

Sample Name			MW-1-15	MW-1-40		MW-2-20	MW-2-30	MW-3-15	MW-3-40	MW-4-20	MW-5-20
Sample Date			8/31/2020	8/31/2020 (DUP)	8/31/2020	9/1/2020	9/1/2020	9/1/2020	9/1/2020	9/2/2020	9/2/2020
Analyte	EPA LHA	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	<1.7 B*	<1.7 B*	<1.7 B*	32	<1.7 B*	4.5	19	<1.7 B*	<1.7 B*
Perfluorohexanoic acid (PFHxA)	-	ng/L	<1.7	<1.7	<1.7	84	<1.7	1.0 J	2.9	<1.7	0.76 J
Perfluoroheptanoic acid (PFHpA)	-	ng/L	<1.7	<1.7	<1.7	37	<1.7	0.44 J	0.63 J	0.28 J	0.22 J
Perfluorononanoic acid (PFNA)	-	ng/L	<1.7	<1.7	<1.7	4.0	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	0.33 J	<1.7	<1.7	3.0	1.3 J	0.57 J	1.9	0.32 J	0.29 J
Perfluorodecanoic acid (PFDA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluorododecanoic acid (PFDoA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<1.7	0.43 J	<1.7	<1.7	0.39 J	<1.7	<1.7	0.40 J	0.41 J
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<17	<17	<17	<17	<17	<17	<17	<17	<17
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<17	<17	<17	<17	<17	<17	<17	<17	<17
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<3.4	<3.4	<3.4	<3.4	<3.4	<3.5	<3.4	<3.5	<3.4
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	<1.7	<1.7	<1.7	260	<1.7	6.7	12	<1.7	<2.0 B*
Perfluorooctanoic acid (PFOA)		ng/L	<1.7	<1.7	<1.7	36	<1.7	<1.7	2.2	<1.7	<1.7
LHA Combined (PFOS + PFOA)	70†	ng/L	N/A	N/A	N/A	296	N/A	6.7 ‡	14	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.

Bold Concentration exceeds LHA level.

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.

B* Result is considered not detected due to quality control failures; see checklist for details. 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.

Table 2- September 2020 Monitoring Well Analytical PFAS Results

Sample Name			MW-6-20	MW-7-20	MW-8-20	MW-9-30	MW-10-20	MW-11-15	MW-12-10		
Sample Date			9/2/2020 (DUP)	9/2/2020	9/2/2020	9/1/2020(DUP)	9/1/2020	9/1/2020	9/2/2020	9/2/2020	
Analyte	EPA LHA	Units	Water	Water	Water	Water	Water	Water	Water	Water	
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	<1.8 B*	<1.8 B*	<1.7 B*	<1.7 B*	<1.7 B*	23	13	15	52
Perfluorohexanoic acid (PFHxA)	-	ng/L	<1.7	<1.7	1.2 J	<1.7	<1.7	16	11	27	17
Perfluoroheptanoic acid (PFHpA)	-	ng/L	<1.7	<1.7	0.84 J	<1.7	<1.7	6.0	4.5	7.0	15
Perfluorononanoic acid (PFNA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	0.42 J	1.4 J	0.97 J
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	0.28 J	0.30 J	0.45 J	<1.7	<1.7	1.6 J	0.64 J	2.2	1.8
Perfluorodecanoic acid (PFDA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	1.1 J	<1.7
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluorododecanoic acid (PFDoA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<1.7	0.34 J	<1.7	0.50 J	<1.7	<1.7	<1.7	<1.7	<1.7
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<17	<17	<17	<17	<17	<17	<17	<17	<17
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<17	<17	<17	<17	<17	<17	<17	<17	<17
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<3.4	<3.4	<3.5	<3.4	<3.4	<3.4	<3.4	<3.4	<3.5
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	<1.7 B*	<1.7	<3.9 B*	<1.7	<1.7	88	140	76	210
Perfluorooctanoic acid (PFOA)		ng/L	<1.7	<1.7	2.7	<1.7	<1.7	2.3	2.6	2.4	9.8
LHA Combined (PFOS + PFOA)	70†	ng/L	N/A	N/A	2.7 B*‡	N/A	N/A	90	143	78	220

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.

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B* Result is considered not detected due to quality control failures; see checklist for details. 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 projec