

Table 1 - June/July 2021 Dillingham Water Supply Well Analytical Results

Sample Name			172190	172245	191050	191090	191170	191280	191290	191300	191320	191700	
Description												Rd	
Analyte	EPA LHA	Units	6/28/2021	6/28/2021	6/27/2021	6/27/2021 (DUP)	6/27/2021	6/27/2021	6/27/2021	6/27/2021	7/9/2021	6/28/2021	7/9/2021
Perfluorohexanesulfonic acid (PFHxS)	NS	ng/L	0.58 J	<1.9	160	170	1.6 J	0.59 J	2.9	2.7	14	9.7	110
Perfluorohexanoic acid (PFHxA)	NS	ng/L	2.8	<1.9	55	56	0.81 J	2.5	5.5	11	77 J*	88	100
Perfluoroheptanoic acid (PFHpA)	NS	ng/L	0.75 J	<1.9	4.4	4.7	<1.9	<2.0	2.2	6.3	38 J*	15	23
Perfluorononanoic acid (PFNA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	9.3 J*	<1.9	2.2
Perfluorobutanesulfonic acid (PFBS)	NS	ng/L	<1.9	<1.9	61	65	0.87 J	0.52 J	<2.1	1.1 J	1.3 J	23	29
Perfluorodecanoic acid (PFDA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	13 J*	<1.9	<1.9
Perfluoroundecanoic acid (PFUnA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	0.77 J*	<1.9	<1.9
Perfluorododecanoic acid (PFDoA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9 J*	<1.9	<1.9
Perfluorotridecanoic acid (PFTrDA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9 J*	<1.9	<1.9
Perfluorotetradecanoic acid (PFTeA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9 J*	<1.9	<1.9
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9	<1.9	<1.9
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9	<1.9	<1.9
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9	<1.9	<1.9
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9	<1.9	<1.9
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9 J*	<1.9	<1.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	ng/L	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.1	<1.9	<1.9 J*	<1.9	<1.9
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	<1.9	<1.9	37	37	<1.9	<2.0	<2.1	<1.9	24	<1.9	38
Perfluorooctanoic acid (PFOA)		ng/L	0.57 J	<1.9	4.8	4.9	<1.9	<2.0	2.2	5.3	46 J*	3.4	20
LHA Combined (PFOS + PFOA)	70†	ng/L	0.57 J‡	n/a	42	42	n/a	n/a	2.2 ‡	5.3 ‡	70 J*	3.4 ‡	58

- Notes:
- ng/L nanograms per liter, equivalent to parts per trillion (ppt)
 - NS Not specified; action level not established.
 - EPA Environmental Protection Agency
 - LHA Lifetime Health Advisory
 - † EPA LHA level is 70 ppt for PFOS and PFOA combined.
 - DUP Field-duplicate sample
 - BOLD** Concentration exceeds LHA level.
 - < Analyte not detected; listed as less than the reporting limit (RL) unless otherwise flagged due to quality-control (QC) failures.
 - J Estimated concentration, detected greater than the method detection limit (MDL) and less than the RL. Flag applied by the laboratory.
 - J* Estimated concentration due to quality control failures. 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; PFOS and PFOA were not detected in the project sample.

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Sample Name			191741	191750	200310	200320	200340	
Description								
Analyte	EPA LHA	Units	6/27/2021	7/9/2021	6/27/2021	7/9/2021	7/9/2021	7/9/2021 (DUP)
Perfluorohexanesulfonic acid (PFHxS)	NS	ng/L	46	34	15	16	8.9	9.2
Perfluorohexanoic acid (PFHxA)	NS	ng/L	21	14	6.3	3.8	4.1	3.9
Perfluoroheptanoic acid (PFHpA)	NS	ng/L	1.9	1.3 J	1.4 J	0.89 J	1.2 J	1.0 J
Perfluorononanoic acid (PFNA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
Perfluorobutanesulfonic acid (PFBS)	NS	ng/L	20	14	2.9	1.6 J	1.4 J	1.5 J
Perfluorodecanoic acid (PFDA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
Perfluoroundecanoic acid (PFUnA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
Perfluorododecanoic acid (PFDoA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
Perfluorotridecanoic acid (PFTrDA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
Perfluorotetradecanoic acid (PFTeA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	ng/L	<1.9	<1.9	<1.9	<1.8	<1.9	<1.8
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	8.0	3.8	3.6	11	3.9	4.1
Perfluorooctanoic acid (PFOA)		ng/L	2.2	0.86 J	2.1	2.0	1.4 J	2.0
LHA Combined (PFOS + PFOA)	70†	ng/L	10	4.7 J	5.7	13	5.3 J	6.1