

November 2022 Water Supply Well PFAS Analytical Results - Gustavus DOT&PF

Analyte	EPA LHA	Units	Location Name								
			NPS Well	PW-010	PW-012	PW-203	PW-205.1	PW-221	PW-401	PW-435	
Sample Name			NPS Well	PW-010	PW-012	PW-203	PW-205.1	PW-221	PW-321	PW-401	PW-435
			11/17/2022	11/17/2022	11/18/2022	11/17/2022	11/16/2022	11/17/2022	11/17/2022	11/16/2022	11/16/2022
Perfluorohexanesulfonic acid (PFHxS)	—	ng/L	5.4	<1.8	0.66 J	1.0 J	0.74 J	<1.8	<1.8	3.4	<1.8
Perfluorohexanoic acid (PFHxA)	—	ng/L	4.0	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	2.4	<1.8
Perfluoroheptanoic acid (PFHpA)	—	ng/L	2.1	<1.8	0.25 J	<1.8	<1.8	<1.8	<1.8	1.0 J	<1.8
Perfluorononanoic acid (PFNA)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
Perfluorobutanesulfonic acid (PFBS)	2,000	ng/L	0.59 J	<1.8	<1.7	<1.8	0.19 J	<1.8	<1.8	0.36 J	<1.8
Perfluorodecanoic acid (PFDA)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
Perfluoroundecanoic acid (PFUnA)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
Perfluorododecanoic acid (PFDoA)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
Perfluorotridecanoic acid (PFTrDA)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
Perfluorotetradecanoic acid (PFTeA)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	—	ng/L	<4.5	<4.5	<4.3	<4.6	<4.5	<4.4	<4.5	<4.3	<4.5
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	—	ng/L	<4.5	<4.5	<4.3	<4.6	<4.5	<4.4	<4.5	<4.3	<4.5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	—	ng/L	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10	ng/L	<3.6	<3.6	<3.4	<3.7	<3.6	<3.5	<3.6	<3.4	<3.6
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	7.7	<1.8	2.0	0.75 J	0.99 J	0.57 J	0.58 J	20	<1.8
Perfluorooctanoic acid (PFOA)		ng/L	2.7	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8

Notes: Results reported from Eurofins Environment Testing America work order 320-94643-1.
Sample PW-321 is the field duplicate of sample PW-221.

EPA LHA United States Environmental Protection Agency Lifetime Health Advisory Level, Final levels listed

PFAS per- and poly-fluoroalkyl substances

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

ng/L nanograms per liter

— No applicable regulatory limit exists for the associated analyte.

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

J Estimated concentration, detected greater than the method detection limit and less than the reporting limit. Flag applied by the laboratory.