

NASWI Area 6 Private Drinking Water and Groundwater Validated Sampling Results, February - April 2018 Sampling Event

Sample ID	Result PFOS (µg/L, ppb)	Q	LOQ	LOD	DL	Result PFOS (ng/L, ppt)	Result PFOA (µg/L, ppb)	Q	LOQ	LOD	DL	Result PFOA (ng/L, ppt)	PFOS and PFOA (ng/L, ppt)†	PFOS and PFOA Result Interpretation	Result PFBS (µg/L, ppb)	Q	Result PFBS (ng/L, ppt)
WI-0218*	0.0641		0.00998	0.00498	0.00104	64.1	0.0577		0.00998	0.00498	0.00108	57.7	122	Compound result > LHA	0.0289		28.9
WI-0318	0.0751		0.0100	0.00502	0.00104	75.1	0.0447		0.0100	0.00502	0.00108	44.7	120	Compound result > LHA	0.0647		64.7
WI-0218	0.0782		0.0100	0.00502	0.00104	78.2	0.0254		0.0100	0.00502	0.00108	25.4	104	Compound result > LHA	0.0230		23.0
WI-0418	0.0305		0.00968	0.00484	0.00101	30.5	0.0437		0.00968	0.00484	0.00105	43.7	74.2	Compound result > LHA	0.0200		20.0
WI-0418*	0.0447		0.00967	0.00483	0.00101	44.7	0.0291		0.00967	0.00483	0.00104	29.1	73.8	Compound result > LHA	0.0226		22.6
WI-0218	0.00759	J	0.0102	0.00508	0.00106	7.59	0.0279		0.0102	0.00508	0.00110	27.9	35.5	Compound result < LHA	0.0418		41.8
WI-0218	0.00768	J	0.0102	0.00512	0.00106	7.68	0.0218		0.0102	0.00512	0.00111	21.8	29.5	Compound result < LHA	0.0580		58.0
WI-0218	0.00277	J	0.00985	0.00492	0.00102	2.77	0.00415	J	0.00985	0.00492	0.00106	4.15	6.92	Compound result < LHA	0.0379		37.9
WI-0218	0.00463	U	0.00925	0.00463	0.000962	4.63	0.00103	J	0.00925	0.00463	0.000999	1.03	1.03	Compound result < LHA	0.00227	J	2.27
WI-0218	0.00525	U	0.0105	0.00525	0.00109	5.25	0.00525	U	0.0105	0.00525	0.00114	5.25	not detected	not detected	0.00525	U	5.25
WI-0218	0.00502	U	0.0101	0.00502	0.00105	5.02	0.00502	U	0.0101	0.00502	0.00109	5.02	not detected	not detected	0.00502	U	5.02
WI-0218	0.00500	U	0.00998	0.00500	0.00104	5.00	0.00500	U	0.00998	0.00500	0.00108	5.00	not detected	not detected	0.00500	U	5.00
WI-0218	0.00494	U	0.00988	0.00494	0.00103	4.94	0.00494	U	0.00988	0.00494	0.00107	4.94	not detected	not detected	0.00494	U	4.94
WI-0218	0.00443	U	0.00887	0.00443	0.000922	4.43	0.00443	U	0.00887	0.00443	0.000958	4.43	not detected	not detected	0.00443	U	4.43
WI-0218	0.00455	U	0.00910	0.00455	0.000947	4.55	0.00455	U	0.00910	0.00455	0.000983	4.55	not detected	not detected	0.00455	U	4.55
WI-0218	0.00453	U	0.00907	0.00453	0.000944	4.53	0.00453	U	0.00907	0.00453	0.000980	4.53	not detected	not detected	0.00453	U	4.53
WI-0218	0.00494	U	0.00987	0.00494	0.00103	4.94	0.00494	U	0.00987	0.00494	0.00107	4.94	not detected	not detected	0.00494	U	4.94
WI-0218	0.00490	U	0.00981	0.00490	0.00102	4.90	0.00490	U	0.00981	0.00490	0.00106	4.90	not detected	not detected	0.00490	U	4.90
WI-0218	0.00504	U	0.0101	0.00504	0.00105	5.04	0.00504	U	0.0101	0.00504	0.00109	5.04	not detected	not detected	0.00504	U	5.04
WI-0218*	0.00450	U	0.00899	0.00450	0.000935	4.50	0.00450	U	0.00899	0.00450	0.000971	4.50	not detected	not detected	0.00450	U	4.50

Notes:

* Field duplicate was collected with the sample; the result for the original sample is reported.

† PFOS and PFOA are summed when both compounds are detected.

µg/L, ppb = micrograms per liter, parts per billion ng/L, ppt = nanograms per liter, parts per trillion DL = detection limit

ID = identification

LHA = lifetime health advisory LOD = limit of detection

LOQ = limit of quantitation

PFBS = perfluorobutane sulfonate PFOA = perfluorooctanoic acid PFOS = perfluorooctane sulfonate Q = data qualifier

Sample results are presented in order from highest to lowest PFOS and PFOA concentration.

J = Analyte present; value may or may not be accurate or precise. U = The material was analyzed for, but not detected.

0.010 µg/L = 0.010 ppb = 10 ppt

There is not a health advisory level for PFBS; therefore, no action is currently being taken based on this result. This chemical has health effects information that can be used to evaluate potential impact under the Navy's Environmental Restoration Program.

PFOS and/or PFOA not detected

PFOS and/or PFOA detection less than the EPA LHA (70 ppt)

PFOS and/or PFOA detection greater than the EPA LHA (70 ppt)