

Town of Coupeville and Fort Casey Treatment Plant
434 Wanamaker Road
WI-CV-1RW60-0117 (Well 2-87)
01/18/2017
09:31
Preliminary Results Provided March 27, 2017
Validated Results Provided April 24, 2017

Below are the **validated** test results for your drinking water sampled on January 18, 2017. These results indicate that your drinking water is below the U.S. Environmental Protection Agency (EPA)'s lifetime health advisory (LHA) for Perfluorooctane Sulfonate (PFOS) and/or Perfluorooctanoic acid (PFOA). Based upon the completion of data validation no results or qualifier flags have changed for the test results listed below.

The Navy's Environmental Restoration Program analyzed for three per- and polyfluoroalkyl substances (PFAS) as part of this drinking water investigation, which include PFOA, PFOS, and Perfluorobutanesulfonic acid (PFBS). The Navy reports only these PFAS because these are the only three for which the EPA has established human health exposure information. PFOA and PFOS are the only PFAS that EPA has established a LHA. The Navy provides bottled water when the sample results exceed the EPA's LHA.

The Navy also reports PFBS in the lab reports because this compound has health effects information that can be used to evaluate potential impact in the Navy's Environmental Restoration Program. If the EPA sets a health advisory for PFBS in the future, then the Navy will evaluate necessary actions to take based on the health advisory.

Results of Laboratory Analytical Tests for PFAS with EPA Health Advisory Levels

Chemical Name	Jan 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorooctane Sulfonate (PFOS)	49 U	70
Perfluorooctanoic acid (PFOA)	24 U	70
PFOS and PFOA (cumulative) ¹	Not Detected	70

¹ Only detected values of PFOS and PFOA are summed.

J - Analyte present, but result is estimated

U- Analyte not detected in the sample

Results for other PFAS where no EPA Health Advisory Levels have been established

Chemical Name	Jan 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorobutanesulfonic acid (PFBS)	110 U	Not applicable

J - Analyte present, but result is estimated

U- Analyte not detected in the sample

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

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Lab Name: TestAmerica Sacramento	Job No.: 320-25119-1
SDG No.:	
Client Sample ID: WI-CV-1RW60-0117	Lab Sample ID: 320-25119-3
Matrix: Water	Lab File ID: 24JAN2017A6A_046.d
Analysis Method: 537	Date Collected: 01/18/2017 09:31
Extraction Method: 537	Date Extracted: 01/21/2017 11:49
Sample wt/vol: 246.4(mL)	Date Analyzed: 01/25/2017 13:18
Con. Extract Vol.: 1(mL)	Dilution Factor: 1
Injection Volume: 10(uL)	GC Column: Acquity ID: 2.1(mm)
% Moisture:	GPC Cleanup:(Y/N) N
Analysis Batch No.: 147664	Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.049	U	0.061	0.049	0.016
335-67-1	Perfluorooctanoic acid (PFOA)	0.024	U	0.030	0.024	0.0096
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.11	U	0.14	0.11	0.048

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHxA	100		70-130
STL00996	13C2 PFDA	104		70-130

01/21/17