

**Town of Coupeville & Ft. Casey Treatment Plant**  
**466 Keystone Hill Road**  
**WI-CV-1RW23-1216 (Well 108)**  
**12/06/2016**  
**09:21**  
**Preliminary Results Provided January 23, 2017**  
**Validated Results Provided April 24, 2017**

Below are the validated test results for your drinking water sampled on November 29, 2016. 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, "M" flags were removed from the final qualifier. "M" has no impact on the quality of the data from manual integrations.

The Navy's Environmental Restoration Program analyzed three per- and polyfluoroalkyl substances (PFAS) as part of this drinking water investigation, which include PFOA, PFOS, and Perfluorobutanesulfonic acid (PFBS). The Navy only reports 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	Nov 2016	Health Advisory (ppt)
	Result (ppt)	
Perfluorooctane Sulfonate (PFOS)	44 U	70
Perfluorooctanoic acid (PFOA)	22 U	70
PFOS and PFOA (cumulative) <sup>1</sup>	Not Detected	70

<sup>1</sup> 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	Nov 2016	Health Advisory (ppt)
	Result (ppt)	
Perfluorobutanesulfonic acid (PFBS)	100 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.: 320-24178-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: WI-CV-1RW23-1216 Lab Sample ID: 320-24178-1  
 Matrix: Water Lab File ID: 15DEC2016A6A\_009.d  
 Analysis Method: 537 Date Collected: 12/06/2016 09:21  
 Extraction Method: 537 Date Extracted: 12/09/2016 18:59  
 Sample wt/vol: 273.4 (mL) Date Analyzed: 12/15/2016 11:30  
 Con. Extract Vol.: 1.00 (mL) Dilution Factor: 1  
 Injection Volume: 10 (uL) GC Column: Acquity ID: 2.1 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 142223 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.044	U <del>M</del>	0.055	0.044	0.014
335-67-1	Perfluorooctanoic acid (PFOA)	0.055		0.027	0.022	0.0086
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.10	U	0.13	0.10	0.044

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHxA	93		70-130
STL00996	13C2 PFDA	95		70-130

NW 1/4/17