

Town of Coupeville and Ft. Casey Treatment Plant (POC: Joe Grogan)
434 Wanamaker Road
WI-CV-1RW85-0217 (Well #1-87)
3/3/2017
13:38
Preliminary Results Provided April 10, 2017
Validated Results Provided June 12, 2017

Below are the **validated** test results for your drinking water sampled on March 3, 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	March 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorooctane Sulfonate (PFOS)	50 U	70
Perfluorooctanoic acid (PFOA)	25 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	March 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorobutanesulfonic acid (PFBS)	120 U	Not applicable

J - Analyte present, but result is estimated

U - Analyte not detected in the sample

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-26309-1
 SDG No.: _____
 Client Sample ID: WI-CV-1RW85-0217 Lab Sample ID: 320-26309-1
 Matrix: Water Lab File ID: 2017.03.09_537A_020.d
 Analysis Method: 537 Date Collected: 03/03/2017 13:38
 Extraction Method: 537 Date Extracted: 03/07/2017 17:54
 Sample wt/vol: 239(mL) Date Analyzed: 03/09/2017 11:06
 Con. Extract Vol.: 1.00(mL) Dilution Factor: 1
 Injection Volume: 2(uL) GC Column: GeminiC18 3x100 ID: 3(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 154110 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.063	0.050	0.016
335-67-1	Perfluorooctanoic acid (PFOA)	0.025	U	0.031	0.025	0.0099
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.12	U	0.15	0.12	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHxA	95		70-130
STL00996	13C2 PFDA	102		70-130

Town of Coupeville and Ft. Casey Treatment Plant (POC: Joe Grogan)
434 Wanamaker Road
WI-CV-1RW86-0217 (Well #3-87)
3/3/2017
14:15
Preliminary Results Provided April 10, 2017
Validated Results Provided June 12, 2017

Below are the **validated** test results for your drinking water sampled on March 3, 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.

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

Chemical Name	March 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorooctane Sulfonate (PFOS)	53 U	70
Perfluorooctanoic acid (PFOA)	27 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	March 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorobutanesulfonic acid (PFBS)	120 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.: 320-26309-1
 SDG No.: _____
 Client Sample ID: WI-CV-1RW86-0217 Lab Sample ID: 320-26309-3
 Matrix: Water Lab File ID: 2017.03.09_537A_022.d
 Analysis Method: 537 Date Collected: 03/03/2017 14:15
 Extraction Method: 537 Date Extracted: 03/07/2017 17:54
 Sample wt/vol: 226.3(mL) Date Analyzed: 03/09/2017 11:15
 Con. Extract Vol.: 1.00(mL) Dilution Factor: 1
 Injection Volume: 2(uL) GC Column: GeminiC18 3x100 ID: 3(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 154110 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.053	U	0.066	0.053	0.017
335-67-1	Perfluorooctanoic acid (PFOA)	0.027	U	0.033	0.027	0.010
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.12	U	0.15	0.12	0.053

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHxA	88		70-130
STL00996	13C2 PFDA	94		70-130

Town of Coupeville and Ft. Casey Treatment Plant (POC: Joe Grogan)
434 Wanamaker Road
WI-CV-1RW87-0217 (Well #3A)
3/3/2017
14:49
Preliminary Results Provided April 10, 2017
Validated Results Provided June 12, 2017

Below are the **validated** test results for your drinking water sampled on March 3, 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.

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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	March 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorooctane Sulfonate (PFOS)	52 U	70
Perfluorooctanoic acid (PFOA)	26 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	March 2017	Health Advisory (ppt)
	Result (ppt)	
Perfluorobutanesulfonic acid (PFBS)	120 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.: 320-26309-1
 SDG No.: _____
 Client Sample ID: WI-CV-1RW87-0217 Lab Sample ID: 320-26309-5
 Matrix: Water Lab File ID: 2017.03.09_537A_024.d
 Analysis Method: 537 Date Collected: 03/03/2017 14:49
 Extraction Method: 537 Date Extracted: 03/07/2017 17:54
 Sample wt/vol: 230 (mL) Date Analyzed: 03/09/2017 11:24
 Con. Extract Vol.: 1.00 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) GC Column: GeminiC18 3x100 ID: 3 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 154110 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.052	U	0.065	0.052	0.017
335-67-1	Perfluorooctanoic acid (PFOA)	0.026	U	0.033	0.026	0.010
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.12	U	0.15	0.12	0.052

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHxA	99		70-130
STL00996	13C2 PFDA	100		70-130