City of Portsmouth

Department of Public Works

Portsmouth Water System
PFC Sampling
December 2018 Update
Issued: December 21, 2018

Water Supply Sampling of PFAS

The City of Portsmouth's water supply staff continue to monitor all of your public water supply sources for Perfluorinated compounds (PFAS) every six months. Attached are the most recent analysis of the Portsmouth supply sources taken this fall. Samples are sent to the same certified laboratory that has been analyzing PFAS since the contamination of the Pease Tradeport wells was discovered in May 2014. Nearly all of the compounds in the samples were non-detect. The Collins well had one detection of PFBS, the Portsmouth well had detections of PFHxS and PFHxA, and the Greenland well had a detection of PFHxA. These detections were all so low that the laboratory "J" flagged them as "estimated." Also attached is the most recent comprehensive list of sampling of Portsmouth water sources since 2014.

The Air Force's engineering consultant, Wood PLC, continues to perform monthly PFAS sampling of the water supply wells in the system near the Haven Well. Prior to the installation of activated carbon filters for the Smith and Harrison Wells (Pease Wells) in September 2016, the Smith Well was sampled weekly and the Harrison Well was sampled every two weeks while the Portsmouth and Collins wells were sampled monthly. In addition to the water supply wells, the Air Force's consultant samples other monitoring wells in the surrounding area to track any potential migration of PFCs to the aquifer that may be moving toward the supply wells. The newly installed activated carbon treatment system for the Harrison and Smith wells is also sampled, utilizing the same laboratory as the Air Force's consultant uses to provide consistency. Data provided by the Air Force is updated on the City's website once it has been validated by the laboratory and provided to the City by the Air Force's consultant. That information can be accessed at: https://www.cityofportsmouth.com/publicworks/water/pease-tradeport-water-system

Health Advisory Levels

In May 2016, the EPA set a Lifetime Health Advisory Level of 70 ppt for PFOS and PFOA. According to EPA information these health advisory levels were calculated to offer a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to these contaminants in drinking water. In order to assure compliance with the newly adopted health standard, the City of Portsmouth's water division adopted a policy of monitoring PFAS in all of our water sources twice a year. The Air Force will continue with monthly sampling of the Portsmouth, Collins, Harrison and Smith wells.

The State of New Hampshire is currently reviewing Health Risk Assessment information to recommend Maximum Contaminant Levels (MCLs) for PFOA, PFOS, PFHxS and PFNA. We anticipate the release of that recommendation in the very near future. That recommendation will be utilized by the state to start the rulemaking in January 2019 to set the final standards.

Additional information can be accessed at:

https://www.cityofportsmouth.com/publicworks/water

or by calling Al Pratt, Water Resources Manager, at: 603-520-0622 or Brian Goetz, Deputy Director of Public Works at: 603-766-1420

Latest PFAS Analytical Results
Portsmouth Water System Sources of Supply

Sample Location	Sample ID	Collection Date	Sampled By	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
	USEPA Health Advisory (HA):			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
	Carbon Chain Length:			**L8**	**L10**	**L10**	**L12**	**L9**	**L11**	**S4**	**S4**	**L10**	**L10**	**L12**	**L7**	**S7**	**L6**	**S6**	**L9**	**L8**	**L8**	**L8**	**S5**	**L14**	**L13**	**L11**
	BELLAMY RESERVOIR_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY FINISHED_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 2_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND
	MADBURY WELL3_ 20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 4_20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-GW_20181018	18-Oct-18	WOOD	ND	ND	ND	ND	ND	ND	**0.0220**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20181018	18-Oct-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0062 J**	**0.0053 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GREENLAND WELL_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0058 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Grey text indicates the parameter was not analyzed (NA) or not detected below the laboratory detection limit (ND).

Grey highlight indicates the compound was not analyzed

All concentrations in µg/L - micrograms per liter

All values in micrograms per liter (µg/L)

D - duplicate sample

J - The result is an estimated value.

B - Compound Detected in Blank.

Complilation of PFAS Analytical Results
Portsmouth Public Water Supply Monitoring Program

Sample Location	Sample ID	Collection Date	Sampled By	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
	USEPA Health Advisory (HA):			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
Collins Well	Collins	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	NA	NA
	Collins-06182014	18-Jun-14	AMEC	NA	NA	NA	NA	NA	NA	ND	0.0028 J	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DW-DUP-06182014 (D)	18-Jun-14	AMEC	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-06252014	25-Jun-14	AMEC	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-07022014	02-Jul-14	AMEC	NA	NA	NA	NA	NA	NA	ND	0.0056 J	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.0072 J	ND	0.0032 J	ND	ND	ND
	COLLINS-07092014	09-Jul-14	AMEC	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-07162014	16-Jul-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0045 J	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_07242014	24-Jul-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_08062014	06-Aug-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_08212014	21-Aug-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_09042014	04-Sep-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_09172014	17-Sep-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_10162014	16-Oct-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0038 J	ND	ND	ND	0.0048 J	ND	0.0044 J	ND	ND
	COLLINS_11122014	12-Nov-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_12122014	12-Dec-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_01052015	05-Jan-15	AMEC	ND	ND	ND	ND	0.0032 J	ND	ND	0.0035 B	0.0043 J	ND	ND	0.0062 J	ND	ND	ND	ND	ND	ND	0.0047 J	ND	0.0035 J	ND	ND
	COLLINS_02042015	04-Feb-15	AMEC	ND	ND	0.0091 J	ND	ND	ND	ND	0.0031 J	ND	ND	ND	ND	ND	0.0038 J	ND	ND	ND	ND	ND	ND	ND	ND	0.0054 J
	COLLINS_03172015	17-Mar-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0044 J	ND	ND	ND	ND	ND	0.0054 J	ND	ND	ND	ND	ND
	COLLINS_03262015	26-Mar-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0047 B	ND	ND	ND	ND	ND
	COLLINS_04232015	23-Apr-15	AMEC	ND	ND	ND	0.0048 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0017 B	0.0041 J	ND	ND	ND	ND	ND
	COLLINS_05212015	21-May-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_06162015	16-Jun-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0043 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0052 J	ND	ND
	COLLINS_07162015	16-Jul-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0040 J	ND	ND	ND	ND	ND
	COLLINS_08112015	11-Aug-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0054 J	ND	ND	ND	ND	ND	ND	0.0063 J	ND	0.0077 J	ND	ND	ND
	COLLINS_09092015	09-Sep-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0044 J	ND	ND	ND	ND	ND
	COLLINS_10072015	07-Oct-15	AMEC	ND	ND	ND	ND	ND	ND	ND	0.0063 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0074 J	ND	ND	ND	ND	ND
	COLLINS_11042015	04-Nov-15	AMEC	ND	ND	ND	0.0080 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0060 J	ND	ND	ND	0.0073 J	ND	ND	0.0094 J	ND	0.0052 J
	COLLINS_12012015	01-Dec-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0066 J	ND	ND	ND	0.0076 J	ND	ND	ND	ND	ND
	COLLINS_01062016	06-Jan-16	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0057 B	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_02022016	02-Feb-16	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0041 B	0.0070 B	ND	ND	0.0067 J	ND	ND	ND	ND	ND
	COLLINS_03012016	01-Mar-16	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0084 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS_03292016	29-Mar-16	AMEC	ND	ND	ND	ND	ND	ND	0.0050 J	0.0077 J	ND	ND	ND	ND	ND	0.0051 B	ND	ND	ND	0.0034 J	ND	ND	ND	ND	ND
	COLLINS-04122016	12-Apr-16	AMEC	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	0.0055 B	0.0073 B	ND	ND	0.0058 B	ND	ND	NA	NA	NA
	COLLINS-GW_20160623	23-Jun-16	AMEC	ND	ND	NA	NA	NA	NA	0.0035 J	ND	NA	NA	NA	ND	ND	0.0042 J	0.0050 J	ND	ND	0.0054 J	0.0055 J	0.0069 J	NA	NA	NA
	COLLINS-GW_20160719	19-Jul-16	AMEC	ND	ND	NA	NA	NA	NA	0.0034 J	ND	NA	NA	NA	ND	ND	0.0058 J	ND	ND	ND	0.0061 J	ND	0.0055 J	NA	NA	NA
	COLLINS-GW_20160802	02-Aug-16	AMEC	ND	ND	NA	NA	NA	NA	0.0075 J	ND	NA	NA	NA	ND	ND	0.0054 J	0.0057 J	ND	ND	0.0052 J	0.0071 J	0.0085 J	NA	NA	NA
	COLLINS-GW_20160913	13-Sep-16	AMEC	ND	ND	NA	NA	NA	NA	0.0079 B	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.0047 B	ND	ND	NA	NA	NA
	COLLINS-GW_20161019	19-Oct-16	AMEC	ND	ND	NA	NA	NA	NA	0.0100 J	ND	NA	NA	NA	ND	ND	0.0054 J	ND	ND	ND	0.0051 J	ND	ND	NA	NA	NA
	COLLINS-GW_20161117	17-Nov-16	AMEC	ND	ND	NA	NA	NA	NA	0.0160 J	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.0061 J	ND	ND	NA	NA	NA
	COLLINS_GW_20161214	14-Dec-16	AMEC	ND	ND	NA	NA	NA	NA	0.0150 J	ND	NA	NA	NA	ND	ND	0.0060 J	ND	ND	ND	0.0067 J	ND	0.0047 J	NA	NA	NA
	COLLINS-GW_20170111	11-Jan-17	AMEC	ND	ND	NA	NA	NA	NA	0.0200 J	ND	NA	NA	NA	ND	ND	0.0082 J	0.0093 J	ND	ND	0.0071 J	ND	ND	NA	NA	NA
	COLLINS-GW_20170217	17-Feb-17	AMEC	ND	ND	NA	NA	NA	NA	0.0130 J	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.0068 J	ND	ND	NA	NA	NA
	COLLINS-GW_20170323	23-Mar-17	AMEC	ND	ND	NA	NA	NA	NA	0.0089 J	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	COLLINS-GW_20170419	19-Apr-17	AMEC	ND	ND	NA	NA	NA	NA	0.0079 J	ND	NA	NA	NA	ND	ND	0.0042 J	ND	ND	ND	0.0056 J	ND	ND	NA	NA	NA
	COLLINS-GW_20170612	12-Jun-17	AMEC	ND	ND	ND	ND	ND	ND	0.0100 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-GW_20170711	11-Jul-17	AMEC	ND	ND	ND	ND	ND	ND	0.0094 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0069 J	ND	ND	ND
	COLLINS-GW_20170802	02-Aug-17	AMEC	ND	ND	ND	ND	ND	ND	0.0110 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0042 J	ND	ND	ND	ND	ND
	COLLINS-GW_20170915	15-Sep-17	AMEC	ND	ND	NA	NA	NA	NA	0.0120 J	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	COLLINS-GW_20171019	19-Oct-17	AMEC	ND	ND	ND	ND	ND	ND	0.0200 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-GW_20171114	14-Nov-17	AMEC	ND	ND	ND	ND	ND	ND	0.0140 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-GW-20171208	08-Dec-17	AMEC	ND	ND	ND	ND	ND	ND	0.0190 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-GW_20180109	09-Jan-18	WOOD	ND	ND	ND	ND	ND	ND	0.0210	ND	ND	ND	ND	ND	ND	ND	0.0040 J	ND	ND	0.0095 J	0.0085 J	ND	ND	ND	ND
	COLLINS-GW_20180206	06-Feb-18	WOOD	ND	ND	ND	ND	ND	ND	0.0220	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0040 J	ND	0.0059 J	ND	ND	ND	ND
	COLLINS-GW_20180306	06-Mar-18	WOOD	ND	ND	ND	ND	ND	ND	0.0180 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Complilation of PFAS Analytical Results
Portsmouth Public Water Supply Monitoring Program

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	USEPA Health Advisory (HA):			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
	COLLINS-GW_20180423	23-Apr-18	WOOD	ND	ND	ND	ND	ND	ND	0.0200 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0041 J	ND	ND	ND	ND
	COLLINS-GW_20180516	16-May-18	WOOD	ND	ND	ND	ND	ND	ND	0.0190 J	0.0074 J	ND	ND	ND	ND	ND	ND	0.0059 J	ND	ND	0.0079 J	0.0067 J	ND	ND	ND	ND
	COLLINS-GW_20180606	06-Jun-18	WOOD	ND	ND	ND	ND	ND	ND	0.0210 J	0.0091 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0072 J	ND	ND	ND	ND
	COLLINS-GW_20180712	12-Jul-18	WOOD	ND	ND	ND	ND	ND	ND	0.0110 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COLLINS-GW_20180816	16-Aug-18	WOOD	ND	ND	ND	ND	ND	ND	0.0190 J	0.0073 J	ND	ND	ND	ND	ND	ND	0.0056 J	ND	ND	ND	0.0049 J	ND	ND	ND	ND
	COLLINS-GW_20180920	20-Sep-18	WOOD	ND	ND	ND	ND	ND	ND	0.0250	0.0056 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0066 J	0.0052 J	ND	ND	ND	ND
	COLLINS-GW_20181018	18-Oct-18	WOOD	ND	ND	ND	ND	ND	ND	0.0220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Complilation of PFAS Analytical Results
Portsmouth Public Water Supply Monitoring Program

Sample Location	Sample ID	Collection Date	Sampled By	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
USEPA Health Advisory (HA):				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
Portsmouth Well	Portsmouth	20-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA
	Portsmouth-06182014	18-Jun-14	AMEC	NA	NA	NA	NA	NA	NA	ND	0.0029 J	ND	ND	ND	NA	ND	0.0058 J	ND	ND	ND	ND	ND	ND	0.0068 J	ND	ND	ND
	DW-DUP-06252014 (D)	25-Jun-14	AMEC	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	0.0044 J	ND	ND	ND	ND	ND	ND	0.0031 J	ND	ND	ND
	PORTSMOUTH-06252014	25-Jun-14	AMEC	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	0.0051 J	ND	ND	ND	ND	ND	ND	0.0035 J	ND	ND	ND
	PORTSMOUTH-07022014	02-Jul-14	AMEC	NA	NA	NA	NA	NA	NA	ND	0.0058 J	ND	ND	ND	NA	ND	0.0055 J	0.0056 J	ND	0.0025 J	0.0100 J	ND	0.0060 J	ND	ND	ND
	PORTSMOUTH-07092014	09-Jul-14	AMEC	NA	NA	NA	NA	NA	NA	ND	0.0024 J	ND	ND	ND	NA	ND	ND	0.0029 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PORTSMOUTH-07162014	16-Jul-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0070 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DUP2_07242014	24-Jul-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0038 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PORTSMOUTH_07242014	24-Jul-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PORTSMOUTH_08062014	06-Aug-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0052 J	ND	ND	ND	ND	ND	0.0032 J	ND	ND	ND	ND
	PORTSMOUTH_08212014	21-Aug-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0046 J	ND	ND	ND	ND	ND	0.0045 J	ND	ND	ND	ND
	PORTSMOUTH_09042014	04-Sep-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0073 J	0.0035 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PORTSMOUTH_09172014	17-Sep-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0084 J	ND	ND	ND	0.0049 J	ND	0.0035 J	ND	ND	ND	ND
	PORTSMOUTH_10162014	16-Oct-14	AMEC	ND	ND	ND	ND	ND	ND	0.0038 J	0.0047 J	ND	ND	ND	ND	0.0041 J	0.0091 J	0.0072 J	ND	ND	0.0073 J	0.0062 J	0.0090 J	ND	ND	ND	ND
	PORTSMOUTH_11122014	12-Nov-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031 J	ND	ND	ND	0.0039 J	ND	0.0033 J	ND	ND	ND	ND
	PORTSMOUTH_12122014	12-Dec-14	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0052 J	ND	ND	ND	0.0039 J	ND	0.0057 J	ND	ND	ND	ND
	PORTSMOUTH_01052015	05-Jan-15	AMEC	ND	ND	ND	ND	ND	ND	ND	0.0048 B	ND	ND	ND	0.0060 J	ND	0.0079 J	0.0062 J	ND	ND	0.0074 J	0.0053 J	0.0083 J	ND	ND	ND	ND
	PORTSMOUTH_02042015	04-Feb-15	AMEC	ND	ND	ND	ND	ND	ND	ND	0.0028 J	ND	ND	ND	ND	ND	0.0076 J	0.0056 J	ND	0.0033 J	0.0075 J	0.0069 J	0.0085 J	ND	ND	ND	ND
	PORTSMOUTH_03172015	17-Mar-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0044 J	ND	ND	0.0070 J	ND	0.0063 J	ND	ND	ND	ND
	PORTSMOUTH_03262015	26-Mar-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0052 J	ND	ND	ND	0.0068 B	ND	0.0077 B	ND	ND	ND	ND
	PORTSMOUTH_04232015	23-Apr-15	AMEC	ND	ND	ND	0.0045 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0019 B	0.0059 J	ND	ND	ND	ND	ND	ND
	PORTSMOUTH_05212015	21-May-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0032 J	ND	ND	0.0076 J	ND	0.0038 J	ND	ND	ND	ND
	PORTSMOUTH_06162015	16-Jun-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0064 J	ND	ND	ND	0.0045 J	ND	0.0053 J	0.0049 J	ND	ND	ND
	PORTSMOUTH_07162015	16-Jul-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0050 J	ND	ND	ND	ND	ND	ND
	PORTSMOUTH_08112015	11-Aug-15	AMEC	ND	ND	ND	ND	ND	ND	0.0049 J	ND	ND	ND	ND	ND	ND	0.0075 J	0.0049 J	ND	ND	0.0070 J	0.0051 J	0.0089 J	ND	ND	ND	ND
	PORTSMOUTH_09092015	09-Sep-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075 J	ND	ND	ND	0.0048 J	0.0048 J	0.0064 J	ND	ND	ND	ND
	PORTSMOUTH_10072015	07-Oct-15	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0071 J	0.0076 J	0.0066 J	ND	ND	0.0074 J	0.0076 J	0.0069 J	ND	ND	ND	ND
	PORTSMOUTH_11042015	04-Nov-15	AMEC	ND	ND	ND	ND	ND	ND	0.0074 J	0.0069 J	ND	ND	ND	ND	ND	0.0085 J	0.0071 J	ND	ND	0.0064 J	0.0070 J	0.0110 J	ND	ND	ND	ND
	PORTSMOUTH_12012015	01-Dec-15	AMEC	ND	ND	ND	ND	ND	ND	0.0068 J	0.0100 J	ND	ND	ND	ND	0.0053 J	0.0110 J	0.0082 J	ND	ND	0.0077 J	0.0069 J	0.0058 J	ND	ND	ND	ND
	PORTSMOUTH_01062016	06-Jan-16	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0057 J	0.0098 B	0.0068 J	ND	ND	ND	0.0056 J	0.0082 J	ND	ND	ND	ND
	PORTSMOUTH_02022016	02-Feb-16	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0071 B	0.0099 B	ND	ND	0.0069 J	0.0066 J	ND	ND	ND	ND	ND
	PORTSMOUTH _03012016	01-Mar-16	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0082 J	0.0120 J	ND	ND	ND	ND	0.0130 J	ND	ND	ND	ND	ND
	PORTSMOUTH_03292016	29-Mar-16	AMEC	ND	ND	ND	ND	ND	ND	0.0054 J	0.0088 J	ND	ND	ND	ND	ND	0.0087 B	ND	ND	ND	0.0044 J	0.0059 J	0.0090 J	ND	ND	ND	ND
	PORTSMOUTH-04122016	12-Apr-16	AMEC	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	0.0052 J	0.0100 B	0.0089 B	ND	ND	0.0072 B	ND	ND	NA	NA	NA	NA
	PORTSMOUTH-GW_20160526	26-May-16	AMEC	ND	ND	NA	NA	NA	NA	0.0058 J	0.0078 J	NA	NA	NA	ND	ND	0.0069 J	ND	ND	ND	0.0068 J	0.0069 J	0.0049 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20160623	23-Jun-16	AMEC	ND	ND	NA	NA	NA	NA	0.0040 J	ND	NA	NA	NA	ND	ND	0.0073 J	0.0059 J	ND	ND	0.0060 J	ND	0.0066 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20160719	19-Jul-16	AMEC	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	0.0087 J	0.0061 J	ND	ND	0.0062 J	ND	0.0088 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20160802	02-Aug-16	AMEC	ND	ND	NA	NA	NA	NA	0.0049 J	ND	NA	NA	NA	ND	ND	0.0095 J	0.0063 J	ND	ND	0.0054 J	0.0070 J	0.0095 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20160913	13-Sep-16	AMEC	ND	ND	NA	NA	NA	NA	0.0032 B	ND	NA	NA	NA	ND	ND	0.0063 B	ND	ND	ND	0.0045 B	0.0057 J	0.0059 B	NA	NA	NA	NA
	PORTSMOUTH-GW_20161117	17-Nov-16	AMEC	ND	ND	NA	NA	NA	NA	0.0025 J	ND	NA	NA	NA	ND	ND	0.0090 J	ND	ND	ND	0.0082 J	ND	0.0092 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20170111	11-Jan-17	AMEC	ND	ND	NA	NA	NA	NA	0.0084 J	ND	NA	NA	NA	ND	ND	0.0110 J	0.0120 J	ND	ND	0.0084 J	0.0059 J	0.0076 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20170217	17-Feb-17	AMEC	ND	ND	NA	NA	NA	NA	0.0024 J	ND	NA	NA	NA	ND	ND	0.0053 J	ND	ND	ND	ND	0.0053 J	0.0072 J	NA	NA	NA	NA
	DUP-GW_20170323	23-Mar-17	AMEC	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0032 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20170323	23-Mar-17	AMEC	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0032 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20170419	19-Apr-17	AMEC	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	0.0095 J	ND	ND	ND	0.0060 J	0.0062 J	0.0044 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20170612	12-Jun-17	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0038 J	ND	ND	ND	ND	0.0072 J	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20170711	11-Jul-17	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0110 J	ND	ND	ND	ND	ND	0.0071 J	ND	ND	ND	ND
	PORTSMOUTH-GW_20170802	02-Aug-17	AMEC	ND	ND	ND	ND	ND	ND	0.0058 J	ND	ND	ND	ND	ND	ND	0.0096 J	0.0064 J	ND	ND	0.0040 J	0.0084 J	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20170915	15-Sep-17	AMEC	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0045 J	NA	NA	NA	NA
	PORTSMOUTH-GW_20171019	19-Oct-17	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0094 J	ND	ND	ND	0.0066 J	0.0100 J	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20171114	14-Nov-17	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0051 J	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20171208	08-Dec-17	AMEC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0092 J	ND	ND	ND	ND	0.0085 J	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20180109	09-Jan-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0068 J	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20180206	06-Feb-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0080 J	0.0068 J	ND	0.0042 J	0.0082 J	0.0085 J	ND	ND	ND	ND	ND

Complilation of PFAS Analytical Results
Portsmouth Public Water Supply Monitoring Program

Sample Location	Sample ID	Collection Date	Sampled By	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
	USEPA Health Advisory (HA):			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
	PORTSMOUTH-GW_20180306	06-Mar-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20180423	23-Apr-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0059 J	ND	ND	ND	ND
	PORTSMOUTH-GW_20180516	16-May-18	WOOD	ND	ND	ND	ND	ND	ND	0.0077 J	0.0072 J	ND	ND	ND	ND	ND	ND	0.0082 J	ND	ND	ND	0.0100 J	0.0075 J	0.0086 J	ND	ND	ND
	PORTSMOUTH-GW_20180606	06-Jun-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0035 J	ND	ND	ND	ND
	PORTSMOUTH-GW_20180712	12-Jul-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PORTSMOUTH-GW_20180816	16-Aug-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0079 J	0.0068 J	ND	ND	ND	0.0062 J	ND	ND	ND	ND
	PORTSMOUTH-GW_20180920	20-Sep-18	WOOD	ND	ND	ND	ND	ND	ND	0.0072 J	ND	ND	ND	ND	ND	ND	ND	0.0087 J	0.0068 J	ND	ND	0.0084 J	0.0055 J	ND	ND	ND	ND
	PORTSMOUTH-GW_20181018	18-Oct-18	WOOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0062 J	0.0053 J	ND	ND	ND	ND	ND	ND	ND	ND

Complilation of PFAS Analytical Results
Portsmouth Public Water Supply Monitoring Program

Sample Location	Sample ID	Collection Date	Sampled By	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
USEPA Health Advisory (HA):				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
Bellamy Reservoir Source Water	BELLAMY RAW	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	BELLAMY RESERVOIR - 20160609	09-Jun-16	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BELLAMY RESERVOIR - 20161109	09-Nov-16	DPW	ND	ND	ND	ND	ND	ND	**0.0038 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BELLAMY RESERVOIR - 20170427	27-Apr-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BELLAMY RESERVOIR - 20171031	31-Oct-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BELLAMY RESERVOIR_20180426	26-Apr-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BELLAMY RESERVOIR_20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0095 J**	ND	ND	ND	ND
	BELLAMY RESERVOIR_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Madbury Well 2	MADBURY WELL 2	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	MADBURY WELL 2_20161109	09-Nov-16	DPW	ND	ND	ND	ND	ND	ND	**0.0038 J**	ND	ND	ND	ND	ND	ND	ND	**0.0042 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 2_20171031	31-Oct-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 2_20180426	26-Apr-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 2_20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0092 J**	ND	ND	ND	ND
	MADBURY WELL 2_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND
Madbury Well 3	MADBURY WELL 3	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	MADBURY WELL 3_20160609	09-Jun-16	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 3_20160916	09-Nov-16	DPW	ND	ND	ND	ND	ND	ND	**0.0037 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 3_20170427	27-Apr-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 3_20171031	31-Oct-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 3_20180426	26-Apr-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL3_ 20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Madbury Well 4	MADBURY WELL 4	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	MADBURY WELL 4_20161109	09-Nov-16	DPW	ND	ND	ND	ND	ND	ND	**0.0038 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 4_20170427	27-Apr-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 4_20171031	31-Oct-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 4_20180426	26-Apr-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY WELL 4_20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Treatment Plant Finished Water	MADBURY FINISHED_20161109	09-Nov-16	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY FINISHED_20170427	27-Apr-17	DPW	ND	ND	ND	ND	ND	ND	ND	**0.0180 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY FINISHED_20171031	31-Oct-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY FINISHED_20180426	26-Apr-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY FINISHED_20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MADBURY FINISHED_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Madbury Blend (treatment plant and wells)	TREATMENT PLANT	21-Jul-14	DPW	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	MADBURY BLEND_20141027	27-Oct-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	MADBURY BLEND_20150210	10-Feb-15	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	MADBURY BLEND_20150407	07-Apr-15	DPW	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	MADBURY BLEND_20160607	07-Jun-16	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0048 J**	ND	ND	ND	ND	ND	ND	ND	ND	**0.0058 J**	**0.0097 J**	ND
Greenland Well	GREENLAND	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	GREENLAND WELL_20140721	21-Jul-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	GREENLAND WELL_20150210	10-Feb-15	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA
	GREENLAND WELL_20160801	01-Aug-16	DPW	ND	ND	ND	ND	ND	ND	**0.0033 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0070 J**	ND	**0.0071 J**	ND	ND	ND
	GREENLAND WELL_20161117	17-Nov-16	DPW	**0.0070 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0061 J**	ND	ND	ND	**0.0140 J**	ND	**0.0046 J**	ND	ND	ND
	GREENLAND WELL_20161117_RERUN	17-Nov-16	DPW	ND	ND	ND	ND	ND	ND	**0.0035 J**	ND	ND	ND	ND	ND	ND	**0.0058 J**	ND	ND	ND	**0.0065 J**	ND	ND	ND	ND	ND
	GREENLAND WELL_20170427	27-Apr-17	DPW	ND	ND	ND	ND	ND	ND	**0.0062 J**	ND	ND	ND	ND	ND	ND	**0.0060 J**	**0.0033 J**	ND	ND	**0.0037 J**	ND	ND	ND	ND	ND

Complilation of PFAS Analytical Results
Portsmouth Public Water Supply Monitoring Program

Sample Location	Sample ID	Collection Date	Sampled By	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
	USEPA Health Advisory (HA):			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
	GREENLAND WELL_20171031	31-Oct-17	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0052 J**	ND	ND	ND	ND	ND
	GREENLAND WELL_20180426	26-Apr-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GREENLAND WELL_20181024	24-Oct-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0085 J**	ND	ND	**0.0086 J**	**0.0091 J**	ND	ND	ND	ND
	GREENLAND WELL_20181128	28-Nov-18	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0058 J**	ND	ND	ND	ND	ND	ND	ND	ND

Complilation of PFAS Analytical Results
Portsmouth Public Water Supply Monitoring Program

Sample Location	Sample ID	Collection Date	Sampled By	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
		USEPA Health Advisory (HA):		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.070	0.070	-	-	-	-
DISTRIBUTION																											
DPW	DPW	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA
New Castle	NEW CASTLE	16-May-14	NHDES	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA
Library	LIBRARY	07-Jun-16	DPW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0045 J	ND	ND	ND	ND	ND	ND	ND	ND	0.0065 J	0.0056 J	0.0093 J	ND
Sagamore Ave. Sample Site	SAGAMORE AVE	07-Jun-16	DPW	ND	ND	ND	ND	ND	ND	0.0052 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0079 J	0.0054 J	0.0092 J	ND

Notes:

Grey text indicates the parameter was not analyzed (NA) or not detected below the laboratory detection limit (ND).

Grey highlight indicates the compound was not analyzed

All concentrations in µg/L - micrograms per liter

All values in micrograms per liter (µg/L)

D - duplicate sample

J - The result is an estimated value.

B - Compound Detected in Blank.