

Sample Date	Ann Arbor Drinking Water											
	PFBA (ppt)	PFPeA (ppt)	PFBS (ppt)	PFHxA (ppt)	PFHpA (ppt)	PFHxS (ppt)	PFOA (ppt)	PFNA (ppt)	PFOS (ppt)	6:2 FTS (ppt)	Sum of PFOS and PFOA (ppt)	Sum of All PFAS (ppt)
06/06/22	5.2	4.7	Not detected	3.6	2.8	Not detected	Not detected	Not detected	Not detected	Not detected	0	16.3 ¹¹
05/02/22	4.9	3.1	Not detected	2.2	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	10.2 ¹¹
04/05/22	6.0	3.3	Not detected	2.4	2.2	Not detected	Not detected	Not detected	Not detected	2.0	0	15.9 ¹¹
03/23/22	5.9	2.8	Not detected	2.2	2.0	Not detected	Not detected	Not detected	Not detected	3.4	0	16.3 ¹¹
03/08/22	5.9	4.1	Not detected	3.1	2.9	Not detected	Not detected	Not detected	Not detected	7.9	0	23.9 ¹¹
02/23/22	5.2	4.3	Not detected	3.3	3.2	Not detected	Not detected	Not detected	Not detected	9.9	0	25.9 ¹¹
02/07/22	4.9	4.6	Not detected	3.6	3.4	Not detected	Not detected	Not detected	Not detected	7.5	0	24.0 ¹¹
01/18/22	Not measured	Not measured	Not detected	3.7	3.5	Not detected	Not detected	Not detected	Not detected	Not measured	0	7.2 ⁸
01/06/22	Not detected	4.6	Not detected	3.3	3.1	Not detected	Not detected	Not detected	Not detected	3.0	0	14.0 ¹¹
12/22/21	Not detected	5.4	Not detected	3.8	3.6	Not detected	Not detected	Not detected	Not detected	3.3	0	16.1 ⁷
12/07/21	5.7	5.6	Not detected	3.9	3.7	Not detected	Not detected	Not detected	Not detected	2.2	0	21.1 ⁷
11/17/21	5.3	7.2	Not detected	4.9	4.5	Not detected	Not detected	Not detected	Not detected	2.2	0	24.1 ⁷
11/02/21	6.7	8.6	Not detected	5.6	4.7	Not detected	Not detected	Not detected	Not detected	2.3	0	27.9 ⁷
10/20/21	Not measured	Not measured	Not detected	6.4	5.2	Not detected	Not detected	Not detected	Not detected	Not measured	0	11.6 ⁸
10/05/21	7.7	12	2.0	7.8	5.6	Not detected	Not detected	Not detected	Not detected	Not detected	0	35.1 ⁷
09/23/21	5.9	14	2.1	7.9	5.9	Not detected	Not detected	Not detected	Not detected	Not detected	0	35.8 ⁷
09/09/21	6.3	13	2.2	8.3	6.2	Not detected	Not detected	Not detected	Not detected	Not detected	0	36.0 ⁷

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	PFBA (ppt)	PFPeA (ppt)	PFBS (ppt)	PFHxA (ppt)	PFHpA (ppt)	PFHxS (ppt)	PFOA (ppt)	PFNA (ppt)	PFOS (ppt)	6:2 FTS (ppt)	Sum of PFOS and PFOA (ppt)	Sum of All PFAS (ppt)
08/17/21	8.4	14	2.1	10	6.6	Not detected	Not detected	Not detected	Not detected	Not detected	0	41.1 ⁷
08/03/21	8.9	15	2.2	11	7.3	Not detected	Not detected	Not detected	Not detected	Not detected	0	44.4 ⁷
07/22/21	Not measured	Not measured	Not detected	8.7	5.7	Not detected	Not detected	Not detected	Not detected	Not measured	0	14.4 ⁸
07/06/21	6.7	11	Not detected	8.0	5.0	Not detected	Not detected	Not detected	Not detected	Not detected	0	30.7 ⁷
06/22/21	Not detected	12	Not detected	8.3	5.2	Not detected	Not detected	Not detected	Not detected	Not detected	0	25.5 ⁷
06/10/21	Not detected	11	Not detected	7.7	4.9	Not detected	Not detected	Not detected	Not detected	Not detected	0	23.6 ⁷
05/25/21	Not detected	9.0	Not detected	6.2	4.0	Not detected	Not detected	Not detected	Not detected	Not detected	0	19.2 ⁷
05/18/21	Not detected	8.7	Not detected	6.2	3.9	Not detected	Not detected	Not detected	Not detected	Not detected	0	18.8 ⁷
04/20/21	Not measured	Not measured	Not detected	4.7	3.5	Not detected	Not detected	Not detected	Not detected	Not measured	0	8.2 ⁸
04/05/21	Not detected	6.6	Not detected	5.2	3.2	Not detected	Not detected	Not detected	Not detected	7.3	0	22.3 ⁷
03/16/21	Not detected	6.7	Not detected	5.5	3.1	Not detected	Not detected	Not detected	Not detected	13	0	28.3 ⁷
03/02/21	Not detected	7.6	Not detected	5.4	3.2	Not detected	Not detected	Not detected	Not detected	13	0	29.2 ⁷
02/17/21	Not detected	6.8	Not detected	5.0	3.1	Not detected	Not detected	Not detected	Not detected	10.0	0	24.9 ⁷
02/02/21	Not detected	8.3	Not detected	5.9	4.0	Not detected	Not detected	Not detected	Not detected	8.6	0	26.8 ⁷
01/20/21	Not measured	Not measured	Not detected	5.3	4.0	Not detected	Not detected	Not detected	Not detected	Not measured	0	9.3 ⁸
01/05/21	Not detected	8.5	Not detected	6.0	4.2	Not detected	Not detected	Not detected	Not detected	8.1	0	26.8 ⁷
12/15/20	5.6	12	Not detected	7.2	5.0	Not detected	Not detected	Not detected	Not detected	4.0	0	33.8 ⁷

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	PFBA (ppt)	PFPeA (ppt)	PFBS (ppt)	PFHxA (ppt)	PFHpA (ppt)	PFHxS (ppt)	PFOA (ppt)	PFNA (ppt)	PFOS (ppt)	6:2 FTS (ppt)	Sum of PFOS and PFOA (ppt)	Sum of All PFAS (ppt)
12/01/20	5.2	13	Not detected	7.0	5.2	Not detected	Not detected	Not detected	Not detected	2.5	0	32.9 ⁷
11/17/20	5.2	13	Not detected	6.8	5.3	Not detected	Not detected	Not detected	Not detected	Not detected	0	30.3 ⁷
11/03/20	7.3	11	Not detected	5.8	4.5	Not detected	Not detected	Not detected	Not detected	Not detected	0	28.6 ⁷
10/21/20	Not measured	Not measured	Not detected	4	3	Not detected	Not detected	Not detected	Not detected	Not measured	0	7 ^{8,10}
10/21/20	5.8	11	Not detected	5.4	4.3	Not detected	Not detected	Not detected	Not detected	Not detected	0	26.5 ⁷
10/06/20	5.7	8.9	Not detected	4.6	3.7	Not detected	Not detected	Not detected	Not detected	Not detected	0	22.9 ⁷
09/22/20	Not detected	8.2	Not detected	4.3	3.1	Not detected	Not detected	Not detected	Not detected	Not detected	0	15.6 ⁷
09/01/20	5.1	5.1	Not detected	3.0	2.0	Not detected	Not detected	Not detected	Not detected	Not detected	0	15.2 ⁷
08/19/20	4.7	4.1	1.7 J	2.8	1.9	Not detected	Not detected	Not detected	Not detected	Not detected	0	15.2 ⁷
08/04/20	6.4	4.4	1.9 J	3.0	1.7 J	Not detected	Not detected	Not detected	Not detected	Not detected	0	17.4
07/21/20	4.3	3.9	1.5 J	2.5	1.6 J	Not detected	Not detected	Not detected	Not detected	Not detected	0	13.8 ⁷
07/07/20	5.8	4.3	1.8	3.0	2.0	Not detected	Not detected	Not detected	Not detected	Not detected	0	16.9
06/16/20	3.8	3.4	1.1 J	2.1	1.5 J	Not detected	Not detected	Not detected	Not detected	Not detected	0	11.9
06/01/20	6.3	3.9	1.4 J	2.6	1.9	Not detected	Not detected	Not detected	Not detected	Not detected	0	16.1
05/27/20	5.9	5.0	1.6 J	2.6	2.1	Not detected	Not detected	Not detected	Not detected	Not detected	0	17.2
05/19/20	4.3	3.3	1.1 J	2.0	1.3 J	Not detected	Not detected	Not detected	3.1	Not detected	3.1	15.1
05/05/20	1.2 J	3.8	1.2 J	2.4	1.7 J	Not detected	Not detected	Not detected	Not detected	Not detected	0	10.3

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	PFBA (ppt)	PFPeA (ppt)	PFBS (ppt)	PFHxA (ppt)	PFHpA (ppt)	PFHxS (ppt)	PFOA (ppt)	PFNA (ppt)	PFOS (ppt)	6:2 FTS (ppt)	Sum of PFOS and PFOA (ppt)	Sum of All PFAS (ppt)
04/21/20	4.0	3.6	0.95J	2.1	1.8	Not detected	Not detected	Not detected	Not detected	Not detected	0	12.5 ⁸
04/07/20	4.4	4.9	1.2 J	3.2	2.7	Not detected	Not detected	Not detected	Not detected	2.9	0	19.3
03/17/20	4.0	4.2	Not detected	2.6	2.0	Not detected	Not detected	Not detected	Not detected	4.5	0	17.3
03/03/20	4.4	5.0	1.1 J	2.6	2.4	Not detected	Not detected	Not detected	Not detected	5.8	0	21.3
02/18/20	3.7	3.0	0.95 J	1.8	1.4 J	Not detected	Not detected	Not detected	Not detected	4.3	0	15.2
02/04/20	5.6	3.1	1.0 J	1.9	2.1	Not detected	Not detected	Not detected	Not detected	3.4 J	0	17.1
01/21/20	4.7	3.1	1.0 J	1.8 J	1.5 J	Not detected	Not detected	Not detected	Not detected	Not detected	0	12.1 ⁷
01/07/20	4.2	4.0	0.9 J	2.1	1.9	Not detected	Not detected	Not detected	Not detected	2.5 J	0	15.6
12/16/19	5.3	5.9	1.5 J	3.5	3.4	Not detected	Not detected	Not detected	Not detected	3.9	0	23.4
12/03/19	4.7 J	5.6	1.2 J	2.9	2.7	Not detected	Not detected	Not detected	Not detected	2.5 J	0	19.6
11/19/19	6.1 J	5.8	1.3 J	3.0 J	2.7 J	Not detected	Not detected	Not detected	Not detected	Not detected	0	18.9
11/05/19	9.8	7.1	1.4 J	3.5	3.5	Not detected	Not detected	Not detected	Not detected	Not detected	0	25.3
10/15/19	5.4	10.0	Not detected	4.9	4.8	Not detected	Not detected	Not detected	Not detected	Not detected	0	25.1
10/02/19	7.3 J	8.3	1.8 J	3.9	3.8	Not detected	Not detected	Not detected	Not detected	Not detected	0	25.1
10/02/19	5.5	11.0	2.3	5.5	4.7	Not detected	Not detected	Not detected	Not detected	Not detected	0	29.0
09/19/19	5.9	10.0	2.4	4.8	3.7	Not detected	Not detected	Not detected	Not detected	Not detected	0	26.8
09/04/19	5.2	7.7	Not detected	3.8	2.5	Not detected	Not detected	Not detected	Not detected	Not detected	0	19.2

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08/21/19	4.1	5.9	Not detected	2.9	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	12.9
08/06/19	5.1	6.8	Not detected	3.4	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	15.3
07/23/19	5.5	4.7	Not detected	2.5	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	12.7
07/10/19	5.4	6.1	Not detected	2.9	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	14.4
07/02/19	3.0	9.7	1.6 J	4.4	2.4	Not detected	Not detected	Not detected	1.2 J	Not detected	1.2	22.3
06/25/19	2.6	5.8	0.98 J	2.6	1.4 J	Not detected	Not detected	Not detected	0.7 J	Not detected	0.7	14.1
06/12/19	2.9	4.7	Not detected	2.2	1.5 J	Not detected	Not detected	Not detected	0.7 J	Not detected	0.7	12.0
06/05/19	5.4	3.8	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	9.2
05/29/19	3.7	4.7	Not detected	2.2	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	10.6
05/15/19	2.8	4.3	3.9	2.5	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	13.5
05/01/19	2.0	1.9	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	3.9
04/17/19	Not detected	2.0	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	0	2.0
04/03/19	2.4	3.3	Not detected	1.9 J	1.2 J	Not detected	Not detected	Not detected	1.2 J	1.5 J	1.2	11.5
03/20/19	4.5	6.7	1.4 J	4.2	2.7	Not detected	0.9 J	Not detected	3.4	4.0	4.3	27.7
03/05/19	3.8	7.0	1.6 J	5.4	3.2	Not detected	1.0 J	Not detected	2.7	5.3	3.7	30.0
02/13/19	3.1	6.4	Not detected	4.0	2.7	Not detected	Not detected	Not detected	2.2	5.3	2.2	23.7
02/06/19	Not detected	4.3	Not detected	2.9	2.1	Not detected	Not detected	Not detected	2.6	2.8	2.6	14.7

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01/30/19	2.6	5.2	Not detected	3.5	2.7	Not detected	Not detected	Not detected	2.3	4.5	2.3	20.8
01/16/19	3.1	7.5	Not detected	5.2	2.8	Not detected	Not detected	Not detected	2.5	4.8	2.5	25.9
01/09/19	2.6	5.3	Not detected	2.9	1.9	Not detected	Not detected	Not detected	2.1	2.4	2.1	17.2
01/02/19	2.7	6.3	Not detected	3.8	2.6	Not detected	Not detected	Not detected	3.5	2.4	3.5	21.3
12/20/18	4.0	11	Not detected	5.3	3.5	Not detected	Not detected	Not detected	5.8	Not measured	5.8	29.6
12/19/18	5.9	14	Not detected	8.0	Not detected	Not detected	Not detected	Not detected	6.5	Not detected	6.5	34.4
12/5/2018*	Not measured	Not measured	*Not detected	Not measured	4.3*	*Not detected	*Not detected	*Not detected	*Not detected	Not measured	0*	4.3*
11/21/18	5.7	20	Not detected	8.6	5.1	Not detected	Not detected	Not detected	12	Not measured	12.0	51.4
11/21/18	5.4	23	2.1	8.7	5.2	Not detected	Not detected	Not detected	12	Not measured	12.0	56.4
11/07/18	5.1	19	1.8	10	5.0	Not detected	Not detected	Not detected	13	Not measured	13.0	53.6
10/09/18	8.2	29	5.2	14	10	Not detected	Not detected	Not detected	22	Not measured	22.0	88.1
09/04/18	5.6	18	5.3	10	9.0	Not detected	Not detected	Not detected	5.3	Not measured	5.3	53.2
08/06/18	5.6	15	4.0	8.0	7.5	Not detected	2.0	Not detected	4.3	Not measured	6.3	46.4
07/17/18	5.0	12	3.0	7.0	6.0	Not detected	Not detected	Not detected	4.0	Not measured	4.0	37.0
07/03/18	5.7	10	4.2	6.1	5.0	Not detected	Not detected	Not detected	4.3	Not measured	4.3	35.3
06/01/18	3.7	7.5	2.2	4.0	3.7	Not detected	Not detected	Not detected	5.3	Not measured	5.3	26.4
05/08/18	4.0	8.3	2.5	5.5	4.4	Not detected	Not detected	Not detected	4.3	Not measured	4.3	29.0

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05/07/18	4.4	8.7	2.3	5.4	4.2	Not detected	Not detected	Not detected	3.0	Not measured	3.0	28.0
04/03/18	3.1	4.6	Not detected	2.7	2.2	Not detected	Not detected	Not detected	Not detected	Not measured	0	12.6
03/07/18	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	Not detected	Not measured	0	0
02/06/18	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	2.7	Not measured	2.7	2.7
01/12/18	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	3.5	Not measured	3.5	3.5
01/09/18	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	4.8	Not measured	4.8	4.8
12/14/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	4.6	Not measured	4.6	4.6
12/05/17	Not measured	Not measured	Not detected	Not measured	13.1	Not detected	2.1	Not detected	Not detected	Not measured	2.1	15.2
11/07/17	Not measured	Not measured	Not detected	Not measured	18.6	Not detected	2.7	Not detected	Not detected	Not measured	2.7	21.3
10/03/17	Not measured	Not measured	Not detected	Not measured	11	Not detected	3.6	Not detected	Not detected	Not measured	3.6	14.6
09/05/17	Not measured	Not measured	Not detected	Not measured	Not detected	Not detected	2.4	Not detected	Not detected	Not measured	2.4	2.4
08/07/17	Not measured	Not measured	Not detected	Not measured	Not detected	Not detected	2.3	Not detected	Not detected	Not measured	2.3	2.3
07/19/17	Not measured	Not measured	Not detected	Not measured	Not detected	Not detected	Not detected	Not detected	Not detected	Not measured	0	0
07/06/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	2.2	Not measured	7.7	Not measured	9.9	9.9
06/06/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	7.9	Not measured	7.9	7.9
05/09/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	4.3	Not measured	4.3	4.3
04/04/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	4.5	Not measured	4.5	4.5

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03/08/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	3.3	Not measured	3.3	3.3
02/07/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	4.8	Not measured	4.8	4.8
01/04/17	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	5.4	Not measured	5.4	5.4
12/12/16	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	7.5	Not measured	7.5	7.5
11/08/16	Not measured	Not measured	Not measured	Not measured	Not measured	Not measured	Not detected	Not measured	8.1	Not measured	8.1	8.1
10/05/16	Not measured	Not measured	5.3	Not measured	4.8	Not detected	Not detected	Not detected	7.1	Not measured	7.1	17.2
07/21/16	Not measured	Not measured	9.2	Not measured	5.3	Not detected	3.0	Not detected	16	Not measured	19.0	33.5
03/28/16	Not measured	Not measured	Not detected	Not measured	2.1	Not detected	Not detected	Not detected	11	Not measured	11.0	13.1
03/05/14	Not	Not	Not	Not	Not	Not	Not	Not	43	Not	43	43

Abbreviations

PFOS = perfluorooctane sulfonic acid

PFOA = perfluorooctanoic acid

PFAS = per- and polyfluoroalkyl substances

ppt = parts per trillion

J = estimated concentration above the method detection limit and below the method reporting limit

*Because of a contract lab administrative error, these samples were only analyzed for 6 PFAS compounds using a method with higher limits of detection than the method the City has specified. When notified of the error, the City immediately resampled.

Notes

1. The current US EPA Lifetime Health Advisory Level for the sum of PFOA and PFOS is 70 ppt. As of July 2020, the State of Michigan has enstated the following MCLs: PFOS 16 ppt, PFOA 8 ppt, PFNA 6 ppt, HFPO-DA 370 ppt, PFBS 420 ppt, PFHxS 51 ppt, and PFHxA 400,000 ppt. There are no existing guidelines or risk information for the total PFAS
2. The contract laboratory used by the City of Ann Arbor may analyze samples in duplicate as a part of their quality control measures. This results in two numbers for the same date, for example on 5/8/18.

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3. The laboratory methods for PFAS have changed and improved since the City first began monitoring for PFAS. Different laboratory methods detect different sets of PFAS. If the laboratory method does not look for a specific PFAS, it is noted in the table as 'not measured'.

4. Samples have also been analyzed for PFPrOPrA, NaDONA, PFDA, PFUdA, N-MeFOSAA, N-EtFOSAA, PFDS, PFDoA, PFTrDA, PFTeDA, PFHxDA, PFODA. These PFAS have never been detected in Ann Arbor drinking water samples.

5. Analysis on the 12/20/18 sample was completed by the contract lab before the 12/19/18 sample. Starting with the 12/19/18 sample, the following PFAS analytes were

6. The City of Ann Arbor switched contract laboratories for samples taken 10/23/19 and after.

7. Sample also analyzed for HFPO-DA (GenX) with a result of Not Detected.

8. Sample also analyzed for HFPO-DA, ADONA, 9Cl-PF3ONS, and 11Cl-PF3OUdS with a result of Not Detected.

9. The City of Ann Arbor switched contract laboratories for samples taken 09/01/2020 and after.

10. Sample analyzed by EGLE subcontract laboratory

11. Sample also analyzed for HFPO-DA (GenX), NFDHA, PFMPA, and PFMBA with a result of Not Detected.