

APPENDIX: FULL RESULTS

Ann Arbor, Mich.

Sample Date: 6/18/2019

Sample collected from Ann Arbor within the likely service area of the Ann Arbor community water system.

TOTAL	15.8 ppt
PFOS	0.8 ppt*
PFOA	0.4 ppt*
PFBA	5.0 ppt*
PFBS	0.9 ppt*
PFHpA	1.3 ppt
PFHxA	2.6 ppt
PFPeA	4.8 ppt*

Atlanta, Ga.

Sample Date: 12/2/2019

Sample collected from Atlanta within the likely service area of the Atlanta community water system.

TOTAL	15.6 ppt
PFOS	2.0 ppt
PFOA	2.3 ppt
PFBS	2.3 ppt
PFHpA	0.9 ppt*
PFHxA	3.2 ppt
PFHxS	1.4 ppt*
PFPeA	3.5 ppt

Arrived at the lab with slightly elevated temperature

Bergen County, N.J.

Sample Date: 8/6/2019

Sample collected from Bergenfield within the likely service area of United Water New Jersey.

TOTAL	51.4 ppt
PFOS	5.3 ppt
PFOA	14.0 ppt
FOSA	0.6 ppt*
PFBA	5.1 ppt
PFBS	3.2 ppt
PFDA	0.5 ppt*
PFHpA	4.4 ppt
PFHxA	6.0 ppt
PFHxS	2.9 ppt
PFNA	1.9 ppt
PFPeA	7.0 ppt
PFPeS	0.5 ppt*

Birmingham, Ala.

Sample Date: 11/8/2019

Sample collected from Birmingham within the likely service area of the Birmingham Water Works Board.

TOTAL	5.3 ppt
PFOS	0.7 ppt*
PFOA	0.5 ppt*
PFBA	2.5 ppt*
PFBS	0.7 ppt*
PFHxA	0.4 ppt*
PFPeA	0.5 ppt*

*Concentration detected was above the limit of detection but below the limit of quantitation.



Boston, Mass.

Sample Date: 7/30/2019

Sample collected from Boston within the likely service area of the Boston Water and Sewer Commission.

TOTAL	8.1 ppt
PFOS	1.0 ppt*
PFOA	1.8 ppt*
FOSA	0.7 ppt*
PFBS	0.5 ppt*
PFHpA	1.0 ppt*
PFHxA	1.5 ppt*
PFPeA	1.6 ppt*

Charleston, S.C.

Sample Date: 5/13/2019

Sample collected from Charleston within the service area of the Charleston Water System.

TOTAL	33.3 ppt
PFOS	6.3 ppt
PFOA	4.7 ppt
PFBA	2.9 ppt*
PFBS	3.3 ppt
PFHpA	2.4 ppt
PFHxA	5.3 ppt
PFHxS	1.9 ppt
PFNA	0.9 ppt*
PFPeA	5.6 ppt*

Brunswick County, N.C.

Sample Date: 10/22/2019

Sample collected from Leland within the likely service area of the Brunswick County Water System.

TOTAL	185.9 ppt
PFOS	14.0 ppt
PFOA	9.3 ppt
GenX	31.0 ppt
FOSA	0.5 ppt*
PFBA	16.0 ppt
PFBS	5.0 ppt
PFDA	0.9 ppt*
PFHpA	24.0 ppt
PFHxA	36.0 ppt
PFHxS	7.3 ppt
PFNA	1.3 ppt*
PFPeA	39.0 ppt
PFPeS	1.6 ppt*

Chicago, Ill.

Sample Date: 8/20/2019

Sample collected from Chicago within the likely service area of the City of Chicago community water system.

TOTAL	12.6 ppt
PFOS	2.3 ppt
PFOA	2.0 ppt
6:2 FTSA	2.1 ppt*
PFHpA	0.9 ppt*
PFHxA	3.3 ppt
PFHxS	0.7 ppt*
PFPeA	1.3 ppt*

Arrived at the lab with slightly elevated temperature

*Concentration detected was above the limit of detection but below the limit of quantitation.



Cincinnati, Ohio

Sample Date: 11/5/2019

Sample collected from Cincinnati within the likely service area of the Cincinnati Public Water System.

TOTAL	11.2 ppt
PFOS	0.5 ppt *
GenX	4.8 ppt
FOSA	0.5 ppt*
PFBA	3.8 ppt*
PFPeA	1.5 ppt*

Colorado Springs, Colo.

Sample Date: 11/4/2019

Sample collected from Colorado Springs within the likely service area of Colorado Springs Utilities.

TOTAL	1.9 ppt
PFBA	1.9 ppt*

Columbia, Mo.

Sample Date: 11/6/2019

Sample collected from Columbia within the likely service area of the Columbia community water system.

TOTAL	9.6 ppt
PFOS	1.4 ppt*
PFOA	0.7 ppt*
FOSA	0.4 ppt*
PFBA	3.7 ppt*
PFBS	0.5 ppt*
PFHpA	0.5 ppt*
PFHxA	0.9 ppt*
PFHxS	0.5 ppt*
PFPeA	1.1 ppt*

Columbus, Ohio

Sample Date: 11/4/2019

Sample collected from Columbus within the likely service area of the Columbus Public Water System.

TOTAL	16.4 ppt
PFOS	2.0 ppt
PFOA	2.4 ppt
FOSA	1.0 ppt*
PFBA	4.8 ppt
PFBS	1.2 ppt*
PFHpA	0.7 ppt*
PFHxA	1.5 ppt*
PFHxS	0.9 ppt*
PFPeA	2.0 ppt

*Concentration detected was above the limit of detection but below the limit of quantitation.



Decatur, Ala.

Sample Date: 11/8/2019

Sample collected from Decatur within the likely service area of the Decatur community water system.

TOTAL	24.1 ppt
PFOS	2.1 ppt
PFOA	2.4 ppt
PFBA	6.6 ppt
PFBS	2.6 ppt
PFHpA	1.0 ppt*
PFHxA	5.9 ppt
PFHxS	0.6 ppt*
PFPeA	2.9 ppt

El Paso County, Colo.

Sample Date: 11/4/2019

Sample collected from Colorado Springs within the likely service area of the Security Water District.

TOTAL	2.0 ppt
FOSA	0.6 ppt*
PFBS	0.5 ppt*
PFHxA	0.5 ppt*
PFPeA	0.5 ppt*

Indianapolis, Ind.

Sample Date: 11/5/2019

Sample collected from Indianapolis within the likely service area of Citizens Water—Indianapolis.

TOTAL	15.0 ppt
PFOS	1.4 ppt*
PFOA	1.4 ppt*
PFBA	3.3 ppt*
PFBS	1.6 ppt*
PFHpA	0.8 ppt*
PFHxA	2.6 ppt
PFHxS	0.5 ppt*
PFPeA	3.3 ppt

Jackson, Miss.

Sample Date: 11/7/2019

Sample collected from Jackson within the likely service area of the City of Jackson community water system.

TOTAL	3.8 ppt
PFOS	0.6 ppt*
PFBA	3.2 ppt*

*Concentration detected was above the limit of detection but below the limit of quantitation.



Kansas City, Kan.

Sample Date: 11/6/2019

Sample collected from Kansas City, Kan., within the likely service area of the Kansas City Board of Public Utilities.

TOTAL	5.2 ppt
PFOS	0.5 ppt*
FOSA	0.6 ppt*
PFBA	3.5 ppt*
PFPeA	0.6 ppt*

Kansas City, Mo.

Sample Date: 11/6/2019

Sample collected from Kansas City, Mo., within the likely service area of the Kansas City community water system.

TOTAL	8.4 ppt
PFOS	0.4 ppt*
PFOA	0.5 ppt*
FOSA	0.5 ppt*
PFBA	4.8 ppt
PFHpA	0.6 ppt*
PFHxA	0.6 ppt*
PFHxS	0.6 ppt*
PFPeA	0.5 ppt*

Las Vegas, Nev.

Sample Date: 8/10/2019

Sample collected from Las Vegas within the likely service area of the Las Vegas Valley Water District.

TOTAL	6.5 ppt
PFOS	0.5 ppt*
PFOA	0.5 ppt*
FOSA	1.6 ppt*
PFBA	1.8 ppt*
PFBS	0.5 ppt*
PFHxA	0.8 ppt*

Little Rock, Ark.

Sample Date: 11/7/2019

Sample collected from North Little Rock within the likely service area of Central Arkansas Water.

TOTAL	1.4 ppt
FOSA	1.4 ppt*

Arrived at the lab with slightly elevated temperature

*Concentration detected was above the limit of detection but below the limit of quantitation.



Louisville, Ky.

Sample Date: 7/29/2019

Sample collected from Louisville within the likely service area of Louisville Water Company.

TOTAL	45.2 ppt
PFOS	2.6 ppt
PFOA	7.7 ppt
GenX	22.0 ppt
PFBA	3.4 ppt*
PFBS	1.5 ppt*
PFHpA	1.2 ppt*
PFHxA	2.9 ppt
PFHxS	0.8 ppt*
PFNA	0.6 ppt*
PFPeA	2.5 ppt

Memphis, Tenn.

Sample Date: 11/7/2019

Sample collected from Memphis within the likely service area of Memphis Light, Gas and Water.

TOTAL	1.0 ppt
FOSA	1.0 ppt*

Meridian, Miss.

Sample Date: 11/7/2019

Sample collected from Meridian within the likely service area of the City of Meridian community water system.

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Miami, Fla.

Sample Date: 7/19/2019

Sample collected from Miami within the likely service area of the Miami Dade Water and Sewer Authority.

TOTAL	56.7 ppt
PFOS	12.0 ppt
PFOA	4.6 ppt
GenX	0.5 ppt*
FOSA	0.9 ppt*
PFBA	12.0 ppt
PFBS	4.1 ppt
PFHpA	3.1 ppt
PFHxA	6.5 ppt
PFHxS	2.2 ppt
PFNA	0.8 ppt*
PFPeA	10.0 ppt

Minneapolis, Minn.

Sample Date: 6/4/2019

Sample collected from Minneapolis within the likely service area of the Minneapolis community water system.

TOTAL	14.2 ppt
PFOS	0.5 ppt*
PFOA	0.8 ppt*
PFBA	11.0 ppt
PFBS	0.5 ppt*
PFHpA	0.5 ppt*
PFHxA	0.9 ppt*

*Concentration detected was above the limit of detection but below the limit of quantitation.



Nashville, Tenn.

Sample Date: 11/8/2019

Sample collected from Nashville within the likely service area of Nashville Water Department #1.

TOTAL	6.0 ppt
PFOA	0.5 ppt*
FOSA	1.9 ppt
PFBA	2.4 ppt*
PFBS	0.6 ppt*
PFPeA	0.6 ppt*

New Orleans, La.

Sample Date: 7/7/2019

Sample collected from New Orleans within the likely service area of the New Orleans Carrollton Waterworks.

TOTAL	41.8 ppt
PFOS	2.9 ppt
PFOA	1.9 ppt
GenX	7.3 ppt
6:2 FTSA	15.0 ppt
PFBA	9.6 ppt
PFBS	1.7 ppt
PFHpA	0.8 ppt*
PFHxA	1.3 ppt*
PFHxS	0.7 ppt*
PFNA	0.5 ppt*

New York, N.Y.

Sample Date: 7/10/2019

Sample collected from New York within the likely service area of the New York City System.

TOTAL	2.3 ppt
PFOS	0.6 ppt*
PFOA	0.6 ppt*
FOSA	0.7 ppt*
PFHxA	0.5 ppt*

Omaha, Neb.

Sample Date: 8/18/2019

Sample collected from Omaha within the likely service area of the Metropolitan Utilities District.

TOTAL	5.9 ppt
PFOS	0.8 ppt*
PFBA	3.4 ppt*
PFHpA	0.7ppt*
PFHxA	0.6 ppt*
PFHxS	0.5 ppt*

*Concentration detected was above the limit of detection but below the limit of quantitation.



Philadelphia, Pa.

Sample Date: 8/27/2019

Sample collected from Philadelphia within the likely service area of the Philadelphia Water Department.

TOTAL	46.3 ppt
PFOS	5.3 ppt
PFOA	7.7 ppt
FOSA	1.3 ppt*
PFBA	5.5 ppt
PFBS	3.4 ppt
PFDA	0.8 ppt*
PFHpA	3.3 ppt
PFHxA	7.1 ppt
PFHxS	1.8 ppt
PFNA	1.8 ppt
PFPeA	8.3 ppt

Prince George's County, Md.

Sample Date: 7/22/2019

Sample collected from Prince George's County within the service area of the Washington Suburban Sanitary Commission.

TOTAL	17.8 ppt
PFOS	2.1 ppt
PFOA	2.4 ppt
PFBA	2.8 ppt*
PFBS	1.2 ppt*
PFHpA	1.4 ppt*
PFHxA	3.3 ppt
PFHxS	1.0 ppt*
PFNA	0.5 ppt*
PFPeA	3.2 ppt

Pittsburgh, Pa.

Sample Date: 11/4/2019

Sample collected from Pittsburgh within the likely service area of the Pittsburgh Water and Sewer Authority.

TOTAL	8.4 ppt
PFOS	1.3 ppt*
PFOA	1.6 ppt*
PFBA	2.3 ppt*
PFBS	0.7 ppt*
PFHpA	0.7 ppt*
PFHxA	1.0 ppt*
PFPeA	0.9 ppt*

Quad Cities, Iowa

Sample Date: 8/8/2019

Sample collected from Davenport within the likely service area of Iowa-American Water Company—Davenport.

TOTAL	109.8 ppt
PFOS	3.0 ppt
PFOA	2.6 ppt
PFBA	72.0 ppt
PFBS	3.5 ppt
PFHpA	0.9 ppt*
PFHxA	1.5 ppt*
PFHxS	0.9 ppt*
PFNA	0.5 ppt*
PFPeA	25.0 ppt

The Quad Cities refers to the region that includes Davenport and Bettendorf, Iowa, and Rock Island, Moline, and East Moline, Ill.

*Concentration detected was above the limit of detection but below the limit of quantitation.



Rockingham County, N.H.

Sample Date: 11/21/2019

Sample collected from Rye within the likely service area of the Rye Water District.

TOTAL	17.1 ppt
PFOS	3.3 ppt
PFOA	4.3 ppt
FOSA	0.7 ppt*
PFBA	1.9 ppt*
PFBS	1.9 ppt
PFHpA	1.3 ppt*
PFHxA	1.3 ppt*
PFHxS	1.0 ppt*
PFPeA	1.4 ppt*

San Antonio, Texas

Sample Date: 8/13/2019

Sample collected from San Antonio within the likely service area of the San Antonio Water System.

TOTAL	7.7 ppt
PFOS	2.0 ppt*
PFOA	1.0 ppt*
FOSA	0.6 ppt*
PFBS	1.4 ppt*
PFHxA	0.7 ppt*
PFHxS	1.2 ppt*
PFPeA	0.9 ppt*

Collection date estimated based on sample shipping documentation.

Sacramento, Calif.

Sample Date: 5/15/2019

Sample collected from Sacramento within the likely service area of the City of Sacramento community water system.

TOTAL	1.6 ppt
PFOS	0.7 ppt*
PFOA	0.4 ppt*
FOSA	0.6 ppt*

Seattle, Wash.

Sample Date: 7/10/2019

Sample collected from Seattle within the likely service area of Seattle Public Utilities.

TOTAL	0.7 ppt
FOSA	0.7 ppt*

*Concentration detected was above the limit of detection but below the limit of quantitation.



St. Louis, Mo.

Sample Date: 11/5/2019

Sample collected from St. Louis within the likely service area of the St. Louis City community water system.

TOTAL	6.7 ppt
PFOS	0.5 ppt*
PFBA	3.8 ppt*
PFHpA	0.6 ppt*
PFHxA	0.7 ppt*
PFHxS	0.6 ppt*
PFPeA	0.6 ppt*

St. Louis County, Mo.

Sample Date: 11/5/2019

Sample collected from St. Ann within the likely service area of the Missouri American St. Louis County and St. Charles County community water system.

TOTAL	7.4 ppt
PFOS	0.6 ppt*
PFOA	0.5 ppt*
PFBA	3.8 ppt*
PFHpA	0.6 ppt*
PFHxA	0.7 ppt*
PFHxS	0.5 ppt*
PFPeA	0.5 ppt*

St. Charles County, Mo.

Sample Date: 11/5/2019

Sample collected from St. Charles within the likely service area of the St. Charles community water system.

TOTAL	2.5 ppt
PFBA	1.9 ppt*
PFPeA	0.6 ppt*

Tulsa, Okla.

Sample Date: 11/6/2019

Sample collected from Tulsa within the likely service area of the Tulsa community water system.

TOTAL	2.6 ppt
FOSA	0.7 ppt*
PFBA	1.9 ppt*

Tuscaloosa, Ala.

Sample Date: 11/8/2019

Sample collected from Tuscaloosa within the likely service area of Tuscaloosa Water and Sewer.

TOTAL	0.5 ppt
PFBS	0.5 ppt*

*Concentration detected was above the limit of detection but below the limit of quantitation.



Washington, D.C.

Sample Date: 7/22/2019

Sample collected from Washington within the service area of D.C. Water and Sewer Authority.

TOTAL	21.7 ppt
PFOS	3.3 ppt
PFOA	3.0 ppt
PFBA	3.4 ppt*
PFBS	1.8 ppt
PFHpA	1.6 ppt*
PFHxA	3.2 ppt
PFHxS	1.2 ppt*
PFNA	0.6 ppt*
PFPeA	3.6 ppt

Wilmington, N.C.

Sample Date: 6/27/2019

Sample collected from Wilmington within the likely service area of the Cape Fear Public Utility Authority—Wilmington.

TOTAL	50.5 ppt
PFOS	1.2 ppt*
PFOA	1.9 ppt
GenX	10.0 ppt
PFBA	8.3 ppt
PFBS	1.7 ppt
PFHpA	4.1 ppt
PFHxA	10.0 ppt
PFHxS	0.9 ppt*
PFPeA	12.0 ppt
PFPeS	0.4 ppt*

*Concentration detected was above the limit of detection but below the limit of quantitation.

