Analytical Results for PFAS in 2019 Total Diet Study Sampling (Parts Per Trillion)—Dataset 2

Note: The 88 samples were collected for the FY2018 Total Diet Study and analyzed for 16 types of PFAS in 2019. No PFAS were detected in 87 of the 88 samples, while 1 sample (tilapia) had a detectable level of PFAS. This sample size is limited and cannot be used to draw definitive conclusions.

Measured Concentrations in parts per trillion (ppt=ng/kg)

Fruit and Vegetable Sample Method Detection Limits (MDL)	**PFBA MDL=70**	**PFPeA MDL=43**	**PFHxA MDL=45**	**PFHpA MDL=36**	**PFOA MDL =20**	**PFNA MDL=56**	**PFDA MDL=48**	**PFBS MDL=56**	**PFPeS MDL=40**	**PFHxS MDL=88**	**PFHpS MDL=40**	**PFOS MDL=33**	**HFPO-DA MDL=60**	**NaDONA MDL=70**	**9Cl-PF3ONs MDL=91**	**11Cl-PF3OUdS MDL=107**
Cabbage (Leaf & Stem Vegetable); Raw, Fresh, Refrigerated	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Collards, fresh/frozen, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cantaloupe, raw/frozen	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Avocado, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Squash, with Sauce; Paper; Raw - Fresh, Frozen, Natural State	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Corn, fresh/frozen, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pear, raw (w/ peel)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pineapple (Subtropical and Tropical Fruit)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Orange (navel/Valencia), raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Grapes (red/green), raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cucumber, peeled, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Brussels sprouts, fresh/frozen, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Broccoli, fresh/frozen, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Baby food, peaches	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Watermelon, raw/frozen	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Grapefruit, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Green beans, fresh/frozen, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Onion, mature, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Blueberries (Berry)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Apple (red), raw (w/ peel)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Peach, raw/frozen	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Asparagus, fresh/frozen, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cauliflower, fresh/frozen, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tomato, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Spinach (Leaf & Stem Vegetable); Raw, Fresh, Refrigerated	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Strawberries, raw/frozen	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Banana, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Carrot, baby, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pepper, sweet, green, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Mushrooms, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Egg Plant (Fruit Used as Vegetable); Raw - Fresh, Frozen, Natural State	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Squash, Summer (Fruit Used as Vegetable); Raw - Fresh, Frozen, Natural State	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lettuce, iceberg, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Celery, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lettuce, leaf, raw	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

Measured Concentrations in parts per trillion (ppt=ng/kg)

Meat, Poultry, Fish, and Other Animal Derived Products Sample Method Detection Limits (MDL)	PFBA MDL=66	PFPeA MDL=44	PFHxA MDL=26	PFHpA MDL=73	PFOA MDL=90	PFNA MDL=28	PFDA MDL=43	PFBS MDL=21	PFPeS MDL=69	PFHxS MDL=59	PFHpS MDL=32	PFOS MDL=82	HFPO-DA MDL=83	NaDONA MDL=95	9Cl-PF3ONs MDL=65	11Cl-PF3OUdS MDL=90
Ice Cream, Regular, Vanilla	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Ice Cream, Regular, Not Vanilla or Vanillin Flavored	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
milkshake fast food vanilla	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Frozen Yogurt; Packaged Food (Not Commercially Sterile)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Turkey, Ground	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pork sausage (link/patty), oven-cooked	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Turkey breast, oven-roasted	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chicken breast, fried, fast-food (w/ skin)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Combination Sausage/Salami, N.E.C.	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pork bacon, oven-cooked	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Eggs, boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tilapia; Not Elsewhere Classified (NEC); Raw - Fresh, Frozen, Natural State	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	83	<MDL	<MDL	<MDL	<MDL
Walnuts, Black, English or Persian, Shelled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chicken leg, fried, fast-food (w/ skin)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chicken nuggets, fast-food	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Beef steak, loin/sirloin, broiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Frankfurter (beef/pork), boiled	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Ham, cured (not canned), baked	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pork chop, pan-cooked w/ oil	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Lamb chop, pan-cooked w/ oil	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Chicken thigh, oven-roasted (skin removed)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Catfish, pan-cooked w/ oil	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cod; Not Elsewhere Classified (NEC); Raw - Fresh, Frozen, Natural State	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

Measured Concentrations in parts per trillion (ppt=ng/kg)

Cheese Sample Method Detection Limits (MDL)	**PFBA Interference MDL Not Determined**	**PFPeA MDL=681**	**PFHxA MDL=376**	**PFHpA MDL=197**	**PFOA MDL=419**	**PFNA MDL=261**	**PFDA MDL=901**	**PFBS MDL=416**	**PFPeS MDL=481**	**PFHxS MDL=421**	**PFHpS MDL=242**	**PFOS MDL=344**	**HFPO-DA MDL=888**	**NaDONA MDL=488**	**9Cl-PF3ONs MDL=372**	**11Cl-PF3OUdS MDL=386**
Cheese, cheddar, natural (sharp/mild)	Not Determined	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cheese, Swiss, natural	Not Determined	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cheese, Monterey	Not Determined	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cheese, Mozzarella	Not Determined	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

Measured Concentrations in parts per trillion (ppt=ng/kg)

Milk and Cream Sample Method Detection Limits (MDL)	**PFBA MDL=29**	**PFPeA MDL=15**	**PFHxA MDL=7**	**PFHpA MDL=27**	**PFOA MDL=42**	**PFNA MDL=39**	**PFDA MDL=28**	**PFBS MDL=14**	**PFPeS MDL=17**	**PFHxS MDL=17**	**PFHpS MDL=13**	**PFOS MDL=24**	**HFPO-DA MDL=24**	**NaDONA MDL=22**	**9Cl-PF3ONs MDL=23**	**11Cl-PF3OUdS MDL=28**
Milk, lowfat (2%), fluid	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Milk, whole, fluid	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Half & half cream	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Milk, skim, fluid	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Milk, chocolate, lowfat, fluid	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

Measured Concentrations in parts per trillion (ppt=ng/kg)

Bread, Grains, and Potatoes Sample Method Detection Limits (MDL)	**PFBA MDL=20**	**PFPeA MDL=76**	**PFHxA MDL=93**	**PFHpA MDL=62**	**PFOA MDL=41**	**PFNA MDL=87**	**PFDA MDL=46**	**PFBS MDL=52**	**PFPeS MDL=83**	**PFHxS MDL=58**	**PFHpS MDL=49**	**PFOS MDL=33**	**HFPO-DA MDL=74**	**NaDONA MDL=53**	**9Cl-PF3ONs MDL=62**	**11Cl-PF3OUdS MDL=90**
English muffin, plain, toasted	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bread, white, enriched	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Muffin, fruit or plain	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bagel, plain, toasted	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tortillas; corn	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Pizzafast food cheese	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bread, Rolls, Buns, etc. Heat/Serve	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Tortilla, flour	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cake, chocolate w/ icing	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Cake, yellow w/ icing	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Iced Cinnamon Roll	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Baby food, rice cereal, dry, prep w/ water	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Rice, Brown, Processed (Packaged)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Biscuits fast food	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Rice, white, enriched, cooked	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Bread, whole wheat	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Potato, french-fried, fast-food	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Potato, boiled (w/out peel)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Potato, baked (w/ peel)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Sweet Potato (Root & Tuber Vegetable)	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

Measured Concentrations in parts per trillion (ppt=ng/L)

Bottled Water Lowest Concentration Minimum Reporting Levels (LCMRL)*	**PFBA LCMRL Not Determined****	**PFPeA LCMRL Not Determined****	**PFHxA LCMRL=1.7**	**PFHpA LCMRL=0.63**	**PFOA LCMRL =0.82**	**PFNA LCMRL=0.83**	**PFDA LCMRL=3.3**	**PFBS LCMRL=6.3**	**PFPeS LCRML Not Determined****	**PFHxS LCMRL=2.4**	**PFHpS LCMRL Not Determined****	**PFOS LCMRL=2.7**	**HFPO-DA LCMRL=4.3**	**NaDONA LCMRL=0.55**	**9Cl-PF3ONs LCMRL=1.8**	**11Cl-PF3OUdS LCMRL=1.5**
Bottled drinking water (mineral/spring), not carbonated or flavored	**Not Determined****	**Not Determined****	<LCMRL	<LCMRL	<LCMRL	<LCMRL	<LCMRL	<LCMRL	**Not Determined****	<LCMRL	**Not Determined****	<LCMRL	<LCMRL	<LCMRL	<LCMRL	<LCMRL

*LCMRL: Lowest Concentration Minimum Reporting Levels (LCMRL). Bottled water samples were analyzed using Method 537.1: Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS).

**Not Determined: FDA modified EPA 537.1 to include 4 PFAS that are not incorporated into the EPA method. FDA did not independently determine MDL values or LCMRL values for these analytes.

Legend

Acronym	Name	CAS	Formula	Nominal Mass
PFBA	Perfluorobutanoic acid	375-22-4	$C_4HF_7O_2$	214
PFPeA	Perfluoropentanoic acid	2706-90-3	$C_5HF_9O_2$	264
PFHxA	Perfluorohexanoic acid	307-24-4	$C_6HF_{11}O_2$	314
PFHpA	Perfluoroheptanoic acid	375-85-9	$C_7HF_{13}O_2$	364
PFOA	Perfluorooctanoic acid	335-67-1	$C_8HF_{15}O_2$	414
PFNA	Perfluorononanoic acid	375-95-1	$C_9HF_{17}O_2$	464
PFDA	Perfluorodecanoic acid	335-76-2	$C_{10}HF_{19}O_2$	514
PFBS	Perfluorobutanesulfonic acid	375-73-5	$C_4HF_9O_3S$	300
PFPeS	Perfluoropentanesulfonic acid	2706-91-4	$C_5HF_{11}O_3S$	350
PFHxS	Perfluorohexanesulfonic acid	355-46-4	$C_6HF_{13}O_3S$	400
PFHpS	Perfluoroheptanesulfonic acid	375-92-8	$C_7HF_{15}O_3S$	450
PFOS	Perfluorooctanesulfonic acid	1763-23-1	$C_8HF_{17}O_3S$	500
HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	$C_6HF_{11}O_3$	330
DONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	$C_7H_2F_{12}O_4$	378
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	756426-58-1	$C_8ClF_{16}O_4S$	532
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	$C_{10}HClF_{20}O_4S$	632

CAS = Chemical Abstract Service Number

MDL = Method Detection Limit. Method Detection Limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

Method: Determination of 16 Per and Polyfluoroalkyl Substances (PFAS) in Food using Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) (Version 2019).

Update Posted October 2020