

**CITY OF RALEIGH**  
**Perfluorinated Compounds Data Results**

Collection Date: 1/27/2022

units: ng/L

Perfluorinated Compounds Contaminant	Eurofins MRL	EMJWTP		DEBWTP		Health Advisory Levels
		Finished	Raw	Finished	Raw	
ADONA	2.0	<2.0	<2.0	<2.0	<2.0	NA
F-53B Major	2.0	<2.0	<2.0	<2.0	<2.0	NA
F-53B Minor	2.0	<2.0	<2.0	<2.0	<2.0	NA
GenX	5.0	<5.0	<5.0	<5.0	<5.0	140
N-ethylperfluorooctane sulfonamide (NETFOSA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-ethylperfluorooctane sulfonamidoethanol	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-methoxyperfluorooctane sulfonamidoethanol	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorobutanesulfonic acid (PFBS)	2.0	3.4	3.4	2.4	2.3	NA
Perfluorobutanoic acid (PFBA)	5.0	6.4	6.9	8.3	6.2	NA
Perfluorodecanoic acid (PFDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoroheptanoic acid (PFHpA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorohexanesulfonic acid (PFHxS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorohexanoic acid (PFHxA)	2.0	2.8	3.0	2.9	2.7	NA
Perfluorododecanoic acid (PFDoA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorononanoic acid (PFNA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorooctanesulfonic acid (PFOS)	2.0	5.1	5.3	3.3	2.9	70
N-ethyl Perfluorooctanesulfonamidoacetic acid	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-methyl Perfluorooctanesulfonamidoacetic acid	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorooctanoic acid (PFOA)	2.0	3.4	3.6	2.3	2.3	70
Perfluorotridecanoic acid (PFTTrDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoroundecanoic acid (PFUnA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorododecanesulfonic acid (PFDoS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorodecanesulfonic acid (PFDS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoroheptanesulfonic acid (PFHpS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorohexadecanoic acid (PFHxDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoro-2-methoxyethoxyacetic acid	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluoro-4-isopropoxybutanoic acid	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluoro-4-methoxybutanoic acid (PFMOBA)	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluoro-3-methoxypropanoic acid (PFMOPrA)	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluorononanesulfonic acid (PFNS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorooctane sulfonamide (PFOSA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoropentanoic acid (PFPeA)	2.0	2.7	3.0	3.0	3.2	NA
Perfluoropentanesulfonic acid (PFPeS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorotetradecanoic acid (PFTeDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA



**CITY OF RALEIGH**  
**Perfluorinated Compounds Data Results**

**Collection Date: 1/2/2020**

**units: ng/L**

Perfluorinated Compounds Contaminant	Eurofins MRL	EMJWTP		DEBWTP		Health Advisory Levels
		Finished	Raw	Finished	Raw	
ADONA	2.0	<2.0	<2.0	<2.0	<2.0	NA
F-53B Major	2.0	<2.0	<2.0	<2.0	<2.0	NA
F-53B Minor	2.0	<2.0	<2.0	<2.0	<2.0	NA
GenX	5.0	<5.0	<5.0	<5.0	<5.0	140
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-ethylperfluorooctane sulfonamideethanol	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-methoxyperfluorooctane sulfonamidoethanol	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorobutanesulfonic acid (PFBS)	2.0	3.0	3.0	2.7	2.7	NA
Perfluorobutanoic acid (PFBA)	5.0	<5.0	5.3	5.5	5.9	NA
Perfluorodecanoic acid (PFDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoroheptanoic acid (PFHpA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorohexanesulfonic acid (PFHxS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorohexanoic acid (PFHxA)	2.0	2.4	2.5	2.7	2.8	NA
Perfluorododecanoic acid (PFDoA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorononanoic acid (PFNA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorooctanesulfonic acid (PFOS)	2.0	5.8	5.8	3.3	4.0	70
N-ethyl Perfluorooctanesulfonamidoacetic acid	2.0	<2.0	<2.0	<2.0	<2.0	NA
N-methyl Perfluorooctanesulfonamidoacetic acid	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorooctanoic acid (PFOA)	2.0	3.6	3.6	2.8	2.7	70
Perfluorotridecanoic acid (PFTrDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoroundecanoic acid (PFUnA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorododecanesulfonic acid (PFDoS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorodecanesulfonic acid (PFDS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoroheptanesulfonic acid (PFHpS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorohexadecanoic acid (PFHxDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoro-2-methoxyethoxyacetic acid	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluoro-4-isopropoxybutanoic acid	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluoro-4-methoxybutanoic acid (PFMOBA)	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluoro-3-methoxypropanoic acid (PFMOPrA)	5.0	<5.0	<5.0	<5.0	<5.0	NA
Perfluorononanesulfonic acid (PFNS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorooctane sulfonamide (PFOSA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluoropentanoic acid (PFPeA)	2.0	2.6	2.9	3.0	3.5	NA
Perfluoropentanesulfonic acid (PFPeS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
Perfluorotetradecanoic acid (PFTeDA)	2.0	<2.0	<2.0	<2.0	<2.0	NA
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	2.0	<2.0	<2.0	<2.0	<2.0	NA

**CITY OF RALEIGH**  
**Perfluorinated Compounds Data Results**

Units: ng/L

Perfluorinated Compounds Contaminant	EPA MRL	EMJWTP 6/10/13	EMJWTP 9/12/13	EMJWTP 12/9/13	EMJWTP 3/13/14	Health Advisory Levels
perfluorooctane sulfonic acid (PFOS)	40	ND	ND	ND	ND	70
perfluorooctanoic acid (PFOA)	20	ND	ND	ND	ND	70
perfluorononanoic acid (PFNA)	20	ND	ND	ND	ND	NA
perfluorohexane sulfonic acid (PFHxS)	30	ND	ND	ND	ND	NA
perfluoroheptanoic acid (PFHpA)	10	ND	ND	ND	ND	NA
perfluorobutane sulfonic acid (PFBS)	90	ND	ND	ND	ND	NA

Perfluorinated Compounds Contaminant	EPA MRL	DEBWTP 6/10/13	DEBWTP 9/12/13	DEBWTP 12/9/13	DEBWTP 3/13/14	Health Advisory Levels
perfluorooctane sulfonic acid (PFOS)	40	ND	ND	ND	ND	70
perfluorooctanoic acid (PFOA)	20	ND	ND	ND	ND	70
perfluorononanoic acid (PFNA)	20	ND	ND	ND	ND	NA
perfluorohexane sulfonic acid (PFHxS)	30	ND	ND	ND	ND	NA
perfluoroheptanoic acid (PFHpA)	10	ND	ND	ND	ND	NA
perfluorobutane sulfonic acid (PFBS)	90	ND	ND	ND	ND	NA

Perfluorinated Compounds Contaminant	Eurofins MRL	EMJWTP 10/5/17	DEBWTP 10/5/17	EMJWTP 4/11/18	DEBWTP 4/11/18	Health Advisory Levels
ADONA	2.0	ND	ND	ND	ND	NA
F-53B Major	2.0	ND	ND	ND	ND	NA
F-53B Minor	2.0	ND	ND	ND	ND	NA
GenX	5.0	ND	ND	ND	ND	140
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.0			ND	ND	NA
N-ethylperfluorooctane sulfonamidoethanol	2.0			ND	ND	NA
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.0			ND	ND	NA
N-methoxyperfluorooctane sulfonamidoethanol	2.0			ND	ND	NA
Perfluorobutanesulfonic acid (PFBS)	2.0	3.1	3.1	2.7	ND	NA
Perfluorobutanoic acid (PFBA)	5.0			5.9	ND	NA
Perfluorodecanoic acid (PFDA)	2.0	ND	ND	ND	ND	NA
Perfluoroheptanoic acid (PFHpA)	2.0	ND	ND	ND	ND	NA
Perfluorohexanesulfonic acid (PFHxS)	2.0	ND	ND	ND	ND	NA
Perfluorohexanoic acid (PFHxA)	2.0	2.2	3.6	3.3	2.1	NA
Perfluorododecanoic acid (PFDoA)	2.0	ND	ND	ND	ND	NA
Perfluorononanoic acid (PFNA)	2.0	ND	ND	ND	ND	NA
Perfluorooctanesulfonic acid (PFOS)	2.0	5.7	2.4	4.2	ND	70
N-ethyl Perfluorooctanesulfonamidoacetic acid	2.0	ND	ND	ND	ND	NA
N-methyl Perfluorooctanesulfonamidoacetic acid	2.0	ND	ND	ND	ND	NA
Perfluorooctanoic acid (PFOA)	2.0	3.2	3.0	3.7	2.1	70
Perfluorotridecanoic acid (PFTrDA)	2.0			ND	ND	NA
Perfluoroundecanoic acid (PFUnA)	2.0			ND	ND	NA
Perfluorododecanesulfonic acid (PFDoS)	2.0			ND	ND	NA
Perfluorodecanesulfonic acid (PFDS)	2.0			ND	ND	NA
Perfluoroheptanesulfonic acid (PFHpS)	2.0			ND	ND	NA
Perfluorohexadecanoic acid (PFHxDA)	2.0			ND	ND	NA
Perfluoro-2-methoxyethoxyacetic acid	5.0			ND	ND	NA
Perfluoro-4-isopropoxybutanoic acid	5.0			ND	ND	NA
Perfluoro-4-methoxybutanoic acid (PFMOBA)	5.0			ND	ND	NA
Perfluoro-3-methoxypropanoic acid (PFMOPrA)	5.0			ND	ND	NA
Perfluorononanesulfonic acid (PFNS)	2.0			ND	ND	NA
Perfluorooctane sulfonamide (PFOSA)	2.0			ND	ND	NA
Perfluoropentanoic acid (PFPeA)	2.0			3.7	2.4	NA
Perfluoropentanesulfonic acid (PFPeS)	2.0			ND	ND	NA
Perfluorotetradecanoic acid (PFTeDA)	2.0			ND	ND	NA
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	2.0			ND	ND	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	2.0			ND	ND	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	2.0			ND	ND	NA

ND = Non Detect

NA = Not Available

Minimum Reporting Level (MRL) is the minimum concentration that can be reported as a quantitated value for a method analyte in a sample following analysis. This defined concentration can be no lower than the concentration of the lowest calibration standard for that analyte and can be used if acceptable QC criteria for this standard are met. It is the less than/non detect value reported when an analyte either is not detected or is detected at a concentration less than the MRL.

Please note that the MRL may be established by a laboratory for their specific purpose or may be set by a regulatory agency. The above results are representative data of EPA set MRLs and Eurofins Analytical Laboratory set MRLs for Perfluorinated compounds.

GenX Health Advisory Level of 140 ng/L set by NC Dept of Health and Human Services (NC DHHS) and NC Dept of Environmental Quality (NC DEQ)