

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH



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Environmental Health and Drinking Water Branch

EHDW Circular Letter #2023-24

To: Local Directors of Health and Certified State Laboratories

From: Lori Mathieu, Public Health Branch Chief *Lori J. Mathieu*

Date: June 28, 2023

Subject: Drinking Water Action Level for Six Per- and Polyfluoroalkyl Substances (PFAS)

On May 31, 2023, the CT Department of Public Health (DPH) issued drinking water Action Levels for six Per- and Polyfluoroalkyl Substances (PFAS):

CASRN Number	Analyte	CT Drinking Water Action Level (nanograms per liter, ng/l)
375-73-5	Perfluorobutane sulfonic acid (PFBS)	760
375-22-4	Perfluorobutanoic acid (PFBA)	1,800
307-24-4	Perfluorohexanoic acid (PFHxA)	240
13252-13-6	hexafluoropropylene oxide dimer acid (HPFO DA; GenX)	19
756426-58-1	6:2 chloropolyfluoroether sulfonic acid (6:2 Cl-PFESA, 9Cl-PF3ONS [*] , F-53B major)	2
763051-92-9	8:2 chloropolyfluoroether sulfonic acid (8:2 Cl-PFESA, 11Cl-PF3OUdS ^{**} , F-53B minor)	5

* EPA Methods 533 & 537.1 use 9Cl-PF3ONS (9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid) for this PFAS.

** EPA Methods 533 & 537.1 use 11Cl-PF3OUdS (11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid) for this PFAS.



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These Action Levels are based on a review of current and rapidly evolving science. They are driven by the most sensitive, human-relevant effects observed in laboratory animals and technical feasibility. DPH's Action Levels are also within the range and same magnitude as other federal and state agencies with enforceable standards and guidelines.

Under CT General Statutes Section 22a-1i, DPH is responsible for human health risk assessment of toxic substances in all environmental media, including, but not limited to, food, drinking water, soil and air. DPH also establishes health-based drinking water guidelines called Action Levels. Action Levels are published on DPH's [website](#). Under state statute (Sec. 22a-471), the CT Department of Energy and Environmental Protection uses Action Levels in making potable water determinations when addressing groundwater contamination at sites. Action Levels can also be used as guidance by public water systems, Local Health Departments and private well owners when evaluating the potability of drinking water.

These six PFAS were evaluated in response to a request from the CT Department of Energy and Environmental Protection.

This effort to issue new PFAS drinking water Action Level aligns with the recommendation in the CT Interagency PFAS Task Force [PFAS Action Plan](#) that DPH continue to monitor new research and modify PFAS health-based guidelines as warranted.

You can learn more about PFAS on the [DPH website](#). If you have questions regarding this Circular Letter, please contact DPH at 860-509-7740 or email DPH.EOHA@ct.gov.

C: Lisa Morrissey, MPH, Deputy Commissioner

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