

To: Uncle Daryl

Date: July 8, 2024

Thanks for testing your water with us! This report is water sampled from Culver, OR. **PFAS detects are highlighted in yellow.** Concentrations are in part per trillion (ppt). 1 ng/L = ppt. Limit of quantification is 1.0 ppt for all PFAS.

Kit# 8661. Good news. **Water sample #8661** came back "clean." All 55 PFAS tested measured non-detect.

What's In My Water?

Barcode	WTK_PFAS_8661
Name	Uncle Daryl
Location	Culver, OR 97734
Comments	H2TOGOOPALSPRINGSWATER CO.
Filtration	Not specified
Sampling Date	6/13/24 14:56
Order Number	15920
PFBA	< 1.0 ppt
PFPeA	< 1.0 ppt
PFHxA	< 1.0 ppt
PFHpA	< 1.0 ppt
PFOA	< 1.0 ppt
PFNA	< 1.0 ppt
PFDA	< 1.0 ppt
GenX	< 1.0 ppt
PFBS	< 1.0 ppt
PFHxS	< 1.0 ppt
PFOS	< 1.0 ppt
Total PFAS (11 Compounds)	0

Regulatory Information

Oregon PFAS Regulations.
The Oregon Health Authority (OHA) has established [health advisory levels \(HALs\)](#) for four PFAS: PFOA, PFOS, PFNA and PFHxS. The HAL is exceeded if any of these PFAS exceeds 30 ppt, or if the sum of the four PFAS exceeds 30 ppt.

EPA PFAS Regulations
EPA has [finalized enforceable Maximum Contaminant Limits \(MCLs\)](#) for PFOA (4.0 ppt), PFOS (4.0 ppt), PFHxS (10 ppt), PFNA (10 ppt), and GenX (10 ppt). For mixtures containing two or more of PFHxS, PFNA, GenX, and PFBS, EPA has set a [Hazard Index](#) MCL at 1.

Appendix

PFAS detected by Cyclopure analytical methods.

Compound	Abbreviation	CAS#	EPA 1633
Perfluorobutanoic Acid	PFBA	375-22-4	Y
Perfluoropentanoic Acid	PFPeA	2706-90-3	Y
Perfluorohexanoic Acid	PFHxA	307-24-4	Y
Perfluoroheptanoic Acid	PFHpA	375-85-9	Y
Perfluorooctanoic Acid	PFOA	335-67-1	Y
Perfluorononanoic Acid	PFNA	375-95-1	Y
Perfluorodecanoic Acid	PFDA	335-76-2	Y
Perfluoroundecanoic Acid	PFUnA	2058-94-8	Y
Perfluorododecanoic Acid	PFDoA	307-55-1	Y
Perfluorotridecanoic Acid	PFTrDA	72629-94-8	Y
Perfluorotetradecanoic Acid	PFTeA	376-06-7	Y
Perfluoropropane Sulfonic Acid	PFPrS	423-41-6	
Perfluorobutane Sulfonic Acid	PFBS	375-73-5	Y
Perfluoropentane Sulfonic Acid	PFPeS	2706-91-4	Y
Perfluorohexane Sulfonic Acid	PFHxS	355-46-4	Y
Perfluoroheptane Sulfonic Acid	PFHpS	375-92-8	Y
Perfluorooctane Sulfonic Acid	PFOS	1763-23-1	Y
Perfluorononane Sulfonic Acid	PFNS	474511-07-4	Y
Perfluorodecane Sulfonic Acid	PFDS	335-77-3	Y
Perfluorododecane Sulfonic Acid	PFDoS	79780-39-5	Y
4:2 Fluorotelomer Sulfonate	4:2 FTS	414911-30-1	Y
6:2 Fluorotelomer Sulfonate	6:2 FTS	425670-75-3	Y
8:2 Fluorotelomer Sulfonate	8:2 FTS	481071-78-7	Y
10:2 Fluorotelomer Sulfonate	10:2 FTS	120226-60-0	
Perfluorobutane Sulfonamide	FBSA	30334-69-1	
N-Methylperfluorobutanesulfonamide	MeFBSA	68298-12-4	
Perfluorohexane Sulfonamide	FHxSA	41997-13-1	
Perfluorooctane Sulfonamide	PFOSA	754-91-6	Y
Perfluorodecane Sulfonamide	FDSA	N/A	
N-Ethylperfluorooctane-1-Sulfonamide	NEtFOSA	4151-50-2	Y
N-Methylperfluorooctane-1-Sulfonamide	NMeFOSA	31506-32-8	Y
Perfluorooctane Sulfonamido Acetic Acid	FOSAA	2806-24-8	
N-Ethyl Perfluorooctane Sulfonamido Acetic Acid	NEtFOSAA	2991-50-6	Y
N-Methyl Perfluorooctane Sulfonamido Acetic Acid	NMeFOSAA	2355-31-9	Y

(Next)

N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	Y
N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	Y
Hexafluoropropylene Oxide Dimer Acid	HFPO-DA	13252-13-6	Y
4,8-Dioxa-3H-Perfluorononanoate	ADONA	919005-14-4	Y
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1	Y
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5	Y
Perfluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6	Y
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1	Y
11-Chloroeicosafluoro-3-Oxanonane-1-Sulfonic Acid	11Cl-PF30UdS	763051-92-9	Y
Perfluoro(2-ethoxyethane) Sulfonic acid	PFEESA	113507-82-7	Y
Perfluoro-4-ethylcyclohexane Sulfonic Acid	PFECHS	646-83-3	
8-Chloroperfluoro-1-Octanesulfonic Acid	8Cl-PFOS	777011-38-8	
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5	Y
2h,2h,3h,3h-Perfluorooctanoic Acid	5:3FTCA	914637-49-3	Y
3-Perfluoroheptyl propanoic acid	7:3FTCA	812-70-4	Y
2H-Perfluoro-2-dodecenoic acid	FDUEA	70887-94-4	
2H-perfluoro-2-decenoic acid	FOUEA	70887-84-2	
Bis(perfluorohexyl)phosphinic acid	6:6PFPI	40143-77-9	
(Heptadecafluorooctyl)(tridecafluorohexyl) Phosphinic Acid	6:8PFPI	610800-34-5	
Bis(perfluorooctyl)phosphinic acid	8:8PFPI	40143-79-1	
N-(3-dimethylaminopropan-1-yl) perfluoro-1-hexanesulfonamide	N-AP-FHxSA	50598-28-2	

How to Read Your WTK Report

To: [REDACTED] **Date:** [REDACTED]

Thanks for testing your water with us! This report is water sampled from **Holden Beach NC**. **PFAS detects are highlighted in yellow**. Concentrations are in part per trillion (ppt). 1 ng/L = ppt. **Limit of quantification is 1.0 ppt** for all PFAS.

Kit# 6243. We found 6 PFAS in this water sample, with a **total concentration of 19.3 ppt**. The other 49 PFAS tested for measured non-detect.

What's In My Water?

Barcode	WTK_PFAS_6243
Name	[REDACTED]
Location	Holden Beach NC 28462
Comments	Municipal Water System
Filtered/Unfiltered	Filtered
Sampling Date	2/17/24
Order Number	13366
PFBA	< 1.0 ppt
PFPeA	< 1.0 ppt
PFHxA	2.5
PFHpA	1.4
PFOA	3.9
PFNA	< 1.0 ppt
PFDA	< 1.0 ppt
GenX	< 1.0 ppt
PFBS	2
PFHxS	2.1
PFOS	7.4
Total PFAS (11 Compounds)	19.3

Regulatory Information

North Carolina PFAS Regulations

[North Carolina's Division of Public Health](#) is currently reviewing EPA's human health toxicity assessment for GenX chemicals, which is 10.0 ppt.

EPA PFAS Regulations

EPA has [finalized enforceable Maximum Contaminant Limits \(MCLs\)](#) for PFOA (4.0 ppt), PFOS (4.0 ppt), PFHxS (10 ppt), PFNA (10 ppt), and GenX (10 ppt). For mixtures containing two or more of PFHxS, PFNA, GenX, and PFBS, EPA has set a [Hazard Index MCL](#) at 1.

Be CycloSure! Our Lab Method

Back at the lab, PFAS compounds collected by the extraction disk are eluted and analyzed using isotope dilution HPLC-MS/MS.

What's In My Water?

Regulatory Information

- **Kit number/water sample number:** This number identifies your sample. It is also the barcode number that is on your cup and on the back of the box containing your kit.
- **Filtration status:** This is helpful in providing further insight into your sample. You may find this especially useful if you are comparing between multiple samples with different filtration statuses.
- **Comments:** Any additional information you write on your card will be visible in the "Comments" section.
- **Sampling location**
- **Total PFAS Concentration:** This number refers to the total concentration of PFAS detected in your sample in ppt.
- **Limit of quantification (LOQ):** At 1.0 ppt (ng/L), Cyclopure has the lowest LOQ for PFAS testing.
- **Individual detected PFAS concentrations:** If PFAS was detected in your sample, the row will be highlighted in yellow. The column on the left will tell you which specific PFAS Analyte was detected while the column on the right will tell you the concentration of PFAS detected in ppt.
- Some states have set PFAS regulations or recommendations. You can read more about them by clicking the links in blue.
- This section explains new EPA regulations for PFAS.