

PFAS 2019 Testing – All Wells

Summary of all 2019 testing to date
10/21/2019

Results in parts-per-trillion (ppt)

| PFAS Compounds Detected | Well 06 | Well 07 | Well 09 | Well 11 | Well 13 | Well 14 | Well 15 | Well 16 | Well 26 | Well 29 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Perfluorobutanoic acid (PFBA) | 1.8 | not detected | 36 - 42 | 4.0 - 4.2 | PRESENT | 3.6 | 2.9 - 3.0 | PRESENT | PRESENT | not detected |
| Perfluorobutanesulfonic acid (PFBS) | PRESENT | not detected | PRESENT | PRESENT | PRESENT | PRESENT | 2.6 - 3.4 | PRESENT | not detected | not detected |
| Perfluoropentanoic acid (PFPeA) | PRESENT | not detected | PRESENT | PRESENT | not detected | 1.9 | 4.4 - 5.9 | PRESENT | not detected | not detected |
| Perfluoropentane sulfonic acid (PFPeS) | PRESENT | not detected | not detected | not detected | not detected | PRESENT | 2.7 - 3.2 | not detected | not detected | not detected |
| Perfluorohexanoic acid (PFHxA) | PRESENT | not detected | PRESENT | PRESENT | 1.5 | 2.3 | 5.7 - 6.2 | PRESENT | not detected | not detected |
| Perfluorohexanesulfonic acid (PFHxS) | 2.9 - 4.5 | PRESENT | 0.9 - 2.0 | 1.2 - 1.9 | 1.8 | 4.8 | 20 - 21 | 2.5 | PRESENT | not detected |
| Perfluoroheptanoic acid (PFHpA) | PRESENT | not detected | PRESENT | PRESENT | PRESENT | PRESENT | 2.1 - 2.5 | PRESENT | not detected | not detected |
| Perfluoroheptane sulfonic acid (PFHpS) | not detected | not detected | not detected | not detected | not detected | not detected | PRESENT | not detected | not detected | not detected |
| Perfluorooctanoic acid (PFOA) | PRESENT | not detected | 1.7 | PRESENT | PRESENT | PRESENT | 4.9 - 6.1 | PRESENT | PRESENT | not detected |
| Perfluorooctanesulfonic acid (PFOS) | PRESENT | not detected | 3.1 | PRESENT | not detected | PRESENT | 4.5 - 5.9 | PRESENT | PRESENT | not detected |
| Perfluorooctanesulfonamide | not detected | not detected | PRESENT | 2.2 | not detected | not detected | not detected | not detected | not detected | not detected |
| N-Ethyl perfluorooctane sulfonamide | not detected | not detected | not detected | PRESENT | not detected | not detected | not detected | not detected | not detected | PRESENT |
| 6:2 Fluorotelomer sulfonic acid | not detected | not detected | not detected | PRESENT | not detected | not detected | not detected | not detected | not detected | not detected |
| Combined PFOA + PFOS, parts per trillion | 0.3* - 2.9* | not detected | 4.8 | 0.7* - 1.8* | 0.4* - 0.5* | 2.4* - 4.5* | 9.4 - 12 | 2.3* - 2.7* | 1.0* - 1.6* | not detected |

PRESENT: Substance detected at levels too low to accurately quantify

* estimated concentration (ppt)

^AThe Minnesota Department of Health has issued a health-based guideline for PFBA of 7,000 ppt

^BThe EPA has issued a Health Advisory Level for PFOA and PFOS (combined) of 70 ppt. The WI DHS has recommended a groundwater standard for PFOA and PFOS of 20 ppt.

Seasonal Wells (used primarily in summer and fall)

| PFAS Compounds Detected | Well 08 | Well 17 | Well 23 | Well 27 |
|--|----------------|----------------|----------------|----------------|
| Perfluorobutanoic acid (PFBA) | PRESENT | PRESENT | 17 | PRESENT |
| Perfluorobutanesulfonic acid (PFBS) | not detected | not detected | PRESENT | PRESENT |
| Perfluoropentanoic acid (PFPeA) | not detected | not detected | 3.1 | PRESENT |
| Perfluoropentane sulfonic acid (PFPeS) | not detected | not detected | PRESENT | not detected |
| Perfluorohexanoic acid (PFHxA) | PRESENT | not detected | 3.0 | PRESENT |
| Perfluorohexanesulfonic acid (PFHxS) | PRESENT | PRESENT | 7.3 | PRESENT |
| Perfluoroheptanoic acid (PFHpA) | PRESENT | not detected | PRESENT | PRESENT |
| Perfluoroheptane sulfonic acid (PFHpS) | not detected | not detected | not detected | not detected |
| Perfluorooctanoic acid (PFOA) | PRESENT | PRESENT | 2.4 | PRESENT |
| Perfluorooctanesulfonic acid (PFOS) | PRESENT | PRESENT | 4.2 | PRESENT |
| Perfluorooctanesulfonamide | 3.2 | 2.6 | 2.5 | not detected |
| N-Ethyl perfluorooctane sulfonamide | not detected | not detected | not tested | not detected |
| 6:2 Fluorotelomer sulfonic acid | PRESENT | PRESENT | not detected | PRESENT |
| ^B Combined PFOA + PFOS | 2.4* - 2.8* | 0.7* - 1.4* | 6.6 | 0.5* - 1.8* |

PRESENT: Substance detected at levels too low to accurately quantify

* estimated concentration (ppt)

^AThe Minnesota Department of Health has issued a health-based guideline for PFBA of 7,000 ppt

^BThe EPA has issued a Health Advisory Level for PFOA and PFOS (combined) of 70 ppt. The WI DHS has recommended a groundwater standard for PFOA and PFOS of 20 ppt.

Wells with no PFAS compounds detected:

Well 12 S. Whitney Way

Well 18 Park St.

Well 19 Lake Mendota Dr.

Well 20 Prairie Rd.

Well 24 N. Livingston St.

Well 25 Queensbridge Rd.

Well 28 Old Sauk Rd.

Well 30 Moorland Rd.

Well 31 Tradewinds Pkwy.

PFAS compounds tested but not detected in any well:

Perfluorononanoic acid (PFNA)

Perfluorononane sulfonic acid (PFNS)

Perfluorodecanoic acid (PFDA)

Perfluorodecane sulfonic acid (PFDS)

Perfluoroundecanoic acid (PFUnA)

Perfluorododecanoic acid (PFDoA)

Perfluorotridecanoic acid (PFTrDA)

Perfluorotetradecanoic acid (PFTeDA)

N-Methyl perfluorooctane sulfonamidoacetic acid

N-Ethyl perfluorooctane sulfonamidoacetic acid

N-Methyl perfluorooctane sulfonamide

N-Methyl perfluorooctane sulfonamidoethanol

N-Ethyl perfluorooctane sulfonamidoethanol

4:2 Fluorotelomer sulfonic acid

8:2 Fluorotelomer sulfonic acid

10:2 Fluorotelomer sulfonic acid

HFPA-DA / HFPO-DA / GenX

ADONA

F-53B Major

F-53B Minor