NC DAQ Background PFAS Rainwater Network

- Network of seven background sites generally oriented near our regional offices
  - Raleigh – start 4/24/18
  - Fayetteville (Candor) – start 10/24/18
  - Asheville – start 11/20/18
  - Wilmington – start 1/8/19
  - Washington – start 2/12/19
  - Mooresville – start 3/12/19
  - Winston Salem – start – 3/26/18
# 2021 NC DAQ Background PFAS Rainwater Network

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<tr>
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<th>RK - MRO</th>
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- **Green** = Non-detect
- **Yellow** = Detection
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

January 5-12, 2021
North Carolina: Background Rainwater PFAS Concentrations Measured in ppt; ND = Not detected; NS = No sample for the time period

January 12-19, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

January 19-26, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

January 26 – February 2, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

February 2-9, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

February 9-16, 2021

EtFOSAA-2.7; MeFOSAA-3.21
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

February 16-March 2, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

March 2-9, 2021

PFOS-2.2
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

March 9 – March 23, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

March 23-30, 2021

- **DEQ lab analysis on 4/12/21 measured GenX = 15.7 ppt;**
- **Gel Labs analysis with remaining aliquot of sample on 11/22/21 measured Genx at non-detect & PFBA = 22.9 ppt**
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

March 30 – April 6, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

April 6-13, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period
April 13-May 4, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

May 4-11, 2021

GenX was measured in each location’s sample blank at similar levels to the sample. This map presents the sample values as non-detect.
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

May 11-June 1, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

June 1-8, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

June 8 – June 15, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

June 15 – June 22, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

June 22 – June 29, 2021
North Carolina: Background Rainwater PFAS Concentrations Measured in ppt; ND = Not detected; NS = No sample for the time period

June 29 – July 6, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

July 6-13, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

July 13 – August 3, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

August 3-10, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

August 10 - September 7, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

September 7-14, 2021

PFOS-2.3
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

September 14-October 5, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

October 5-12, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

October 12- November 2, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

November 2-9, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

November 9 - December 7, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

December 7-14, 2021
North Carolina: Background Rainwater PFAS Concentrations
Measured in ppt; ND = Not detected; NS = No sample for the time period

December 21, 2021 – January 5, 2022