

# NADP-NTN PFAS Site: Quarterly QC Field Blanking and Field Spiking Procedures

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## General

- Required supplies will be provided quarterly
- Please wear PFAS PPE (provided Tyvek jacket and **NTN vinyl** gloves) throughout the QC procedures
- Please perform the “Blank” procedure and then the “Spike” procedure, at the field site, on any convenient day **within two weeks of receiving the supplies.**
- Please fill out the corresponding chain of custody form for the three samples and send it back in the bag that it came in.
- **SAVE box and packing materials** for return shipment.
- Questions: Call NADP Toll Free: 1-800-952-7353

## Blank Procedure

- Special supplies needed (provided by PFAS Research Center)
  - Full 1 L bottle labeled **SOURCE WATER**
  - Empty 1 L bottle labeled **FIELD BLANK**
- Prepare a bagged NTN bucket following standard protocol
- Pour half (500 ml) of the 1000 mL **SOURCE WATER** into the newly prepared bagged bucket
- Gently swirl the bagged bucket, loosely cover, and let sit for 30 minutes
  - Pour the 500 mL of water from the bucket into the provided 1 L bottle labeled “**FIELD BLANK**”
  - Remove, fold, and place the bucket bag into the provided 4” x 15” zip-lock bag – Label bag with “FIELD BLANK”

## Spike Procedure

- Special supplies needed (provided by PFAS Research Center)
  - 500 mL of high purity PFAS-free reagent water in 1L bottle labeled “**FIELD SPIKE**”
  - Small vial (2 mL) containing PFAS spike (labeled **PFAS spike solution**)
- Prepare a bagged NTN bucket following standard protocol
- Pour the full 500 ml from the **FIELD SPIKE** bottle into the newly prepared bagged bucket
- Pour the full contents of **PFAS spike solution** (2 ml vial) into the water in the bagged bucket
- Gently swirl the bucket, loosely cover, and let sit for 30 minutes
  - Pour the 500 mL of spiked water back into the 1 L bottle labeled “**FIELD SPIKE**”
  - Remove, fold, and place the bucket bag into the provided 4” x 15” zip-lock bag – Label bag “FIELD SPIKE”

## Shipment

- Send back the **FIELD BLANK** sample (along with the folded bucket bag)
- Send back the **FIELD SPIKE** sample (along with the folded bucket bag)
- Send back the remaining **SOURCE WATER**
- Place all three bottles and two folded bags in the box that they came in for shipping