

We cannot guarantee this will work for all shipments, but it has worked well for most systems.

Due to new chemical analytical methods, a temperature restriction has been set for all Disinfection Byproduct (DBP) samples analyzed under the Safe Drinking Water Act. Samples that arrive at the chemistry lab within 24 hours of collection may not have yet reached 50°F. These samples will be accepted if frozen or partially frozen cooling materials are present. The temperature of the cooling materials must be less than the temperature of the samples. Samples that arrive at the chemistry lab outside the 24-hour window must meet the temperature requirement of 50°F or lower.

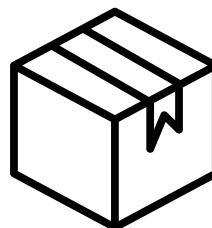
Beginning in July 2023 systems must have their Disinfection Byproduct samples successfully received at the laboratory in their designated sample month (highest DBP concentration) to avoid a violation. Any samples submitted outside their designated month, as a recollect, will not be accepted and will receive a failure to monitor. Systems are responsible for ensuring that their samples meet the temperature requirement and are collected within their designated sample month.

In the beginning of 2023, EPA Region 8 granted the North Dakota Division of Chemistry certification to determine Haloacetic Acids (HAA5) by EPA Method 557, which has more restrictive temperature constraints.

The preservation requirements for Method 557 are as follows:

8.3 Sample Shipment and Storage: Samples must be chilled during shipment and not exceed 50°F during the first 48 hours after collection. ***Samples must be confirmed at or below 50°F when received at the laboratory.*** Samples must not be frozen.

****Place the gel pack between the two clamshells with the vials.**
(shown below)



How to Package and Ship a DBP Sample Kit



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Mailing samples for testing can be costly. Having to recollect and resend them due to inadequate temperature control is frustrating. Here is one cost-effective solution that has worked well for others.



\$17

\$1.25



- These freezer packs were purchased at Walmart.
- Hot/Cold thermal bags can be purchased at Walmart or a dollar store.



- Package the sample kit as usual, with the gel freezer pack between the two plastic clam shells.
- Arrange the freezer packs around the DBP sample kit, placing the large freezer pack on top.



- Place the entire thermal bag into a larger shipping box surrounding it with packing material.
 - Paper packing material also works well as insulation!



- Overnight shipping is highly recommended**
- Ship to:
 - North Dakota Department of Environmental Quality
 - Division of Chemistry
 - 2635 East Main Ave
 - PO Box 5573
 - Bismarck, ND 58506-5573

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For more information please contact Olivia Griffith at 701.328.6624 or via email at ogriffith@nd.gov