



Northern Lake Service Inc.

ENVIRONMENTAL ANALYTICAL LABORATORY

Premium Test Kit - \$1155

Total Coliform/E. coli, Anions Scan, Full Metals Scan, VOCs, SOCs, Glyphosate, & PFAS

Kit includes:

- 1 x 150 mL Sterile Clear Plastic Bottle – Total Coliform/E. coli
- 1 x 250 mL Plastic Bottle – Anions Scan
- 1 x 250 mL Plastic Bottle – Full Metals Scan
- 2 x 40 mL Clear Glass Vials with Hydrochloric Acid preservative – VOCs
- 2 x 20 ml Clear Glass Vials with Sodium Thiosulfate preservative – Glyphosate (Roundup)
- 2 x 1 L Amber glass bottles with Sodium Sulfite preservative - SOCs
- 2 x 250 mL Nalgene bottles with Trizma preservative – PFAS
- 1 pair of Nitrile gloves
- 1 x 1 Ziplock bag – TO BE FILLED WITH ICE PRIOR TO SHIPMENT

Field Blank (may or may not be included depending on your choice, **see contact information section)

- 1 x 250 mL 1.25g Trizma - filled with blank water
- 1 x 250 mL 1.25 g Trizma for transfer from blank water bottle

General Sampling Instructions: (Choose 1 of 2 options)

Reminder: READ ALL INSTRUCTIONS BEFORE PROCEEDING WITH SAMPLE COLLECTION

***Sampling video available on our website at www.nlslab.com under support material**

Do not dump/flush out any preservatives that may be present in your sampling containers. These are crucial for testing purposes. Always use caution when handling any sample container with preservatives and wash thoroughly with soap and water if preservatives would come into contact with skin.

Option 1: Collect water that is representative of the way you actually consume your water

Option 2: Collect water that precedes any water treatment within your home. This is representative of the well water itself.

1. Collect water from selected location, avoiding new plumbing if possible.
2. Remove aeration screen from faucet if one is present.
3. Run water at maximum flow for at least 2 minutes.

4. Fill the containers for analysis **except** for the containers for total coliform/E. coli, VOCs, and PFAS.

Sampling Procedure for Total Coliform Bacteria/E. coli:

1. Sample a cold water faucet that precedes any treatment in your home. The sample faucet nearest to the pressure tank works well for this sampling method.
2. Run water at maximum flow for at least 2 minutes.
3. Sanitize the sampling faucet (with screen removed) by heating the faucet and surrounding piping with a propane torch for about 30 seconds. A butane lighter may be used as an alternative but should then be heated for about 60 seconds. **DO NOT HEAT A PLASTIC FIXTURE!**
4. Collect the sample by again flushing your water sampling faucet with about 1 gallon of water and then turn your water down to a slow steady stream.
5. Remove the custody wrapper on the top of the bottle.
6. Unscrew the cap of the bottle and **without setting the cap down**, fill past the 100 mL fill line on the bottle, and re-cap immediately. **DO NOT TOUCH THE INSIDE OF BOTTLE OR CAP.**

VOC Sampling Instructions:

1. Run water at maximum flow for at least 2 minutes.
2. Adjust the flow of the water to a slow continual stream (approximately a pencil width stream).
3. Hold vial at a slight angle and fill both 40 mL vials with your water until the water domes up just before overflowing.
4. Gently replace the cap. There should be no visible air bubbles in the vials when inverted. If air bubbles are present, gently add a bit more water and recap. **DO NOT DUMP OUT SAMPLE AND REFILL.**

PFAS Sampling Guidance

1. Because PFAS are used to make products resistant to stains, grease, and water, they are prevalent in several items we use on a daily basis. To reduce potential contamination during sampling, it is recommended to avoid using personal care products such as cosmetics, moisturizers, deodorants, or other related products while sampling for PFAS.
2. Choose a spot away from the sampling location to fill out all associated paperwork and bottle labels, using a ballpoint pen. Make sure the sample bottles and associated paperwork are clearly labeled with sample name, date and time of collection.
3. Wash hands with soap and water and put on the nitrile gloves provided in the sampling kit.
4. It is recommended to collect the water sample from the kitchen faucet. Remove the screen from the faucet and allow to flush for 5 minutes using only cold water.
5. **If a field blank was requested**, remove the cap from the container containing water labeled “perfluorinated blank water”. Remove the cap from the container labeled

- “perfluorinated field blank” **without setting the cap down**. Pour contents of “perfluorinated blank water” into “perfluorinated field blank” container and replace cap.
6. After sample tap has been flushed with cold water for 5 minutes, reduce the water flow to a pencil stream width to prevent overfilling. Remove the cap from one of the sample containers **without setting the cap down**. Fill bottle up to the neck (do not overfill) and replace the lid on the sample container. Invert sample 4-5 times until the preservative dissolves. Repeat this process with the second sample container.

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Follow the return shipping instructions to ensure kit is shipped back to the lab properly:

- Fill out the required information below, and label your sample bottles with date/time of collection.
- Samples are accepted 7:00 am to 4:00 pm Monday – Thursday at the Crandon lab, 8:00 am to 4:00 pm Monday – Thursday at the Waukesha lab, and until noon on Friday at both labs. If you are shipping your kit to NLS, samples MUST arrive at the laboratory no longer than 30 hours from the time of collection. Do not ship on Friday.
- NLS receives deliveries from UPS, Fed Ex, SpeeDee Delivery, USPS, and other private courier services. Use any of these courier services to return sample to NLS.
- If you have any questions regarding this sampling kit, please call our Client Service Department at 800-278-1254

Return your sample as soon as possible to one of our two locations:

Northern Lake Service
400 N Lake Ave
Crandon, WI 54520

OR

Northern Lake Service
2420 N Grandview Blvd
Waukesha, WI 53188

Please provide the following information:

Name: _____

Address: _____

City/State/Zip: _____

Phone: _____ Email: _____

Sample Collection Date: _____ Sample Collection Time: _____ AM/PM

Sample Collection Location (ex. Pressure Tank) _____

Sample Collected By: _____

Report by email only Report by mail only Report by email and mail