



Northern Lake Service Inc.

ENVIRONMENTAL ANALYTICAL LABORATORY

Advanced Test Kit - \$731

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

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
- 1 x 1 Ziplock bag – TO BE FILLED WITH ICE PRIOR TO SHIPMENT

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.**

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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