Peace of Mind 2.0

SAMPLING KIT

Safe drinking water is vital for good health. Although the POM 2.0 test does not cover every possible contaminant, it does provide a broad analysis of the most common contaminants that a well owner might encounter, as well as the EPA Regulated Volatile Organic Compounds. VOCs can get into your water through various sources, such as industrial activities, agricultural runoff, leaking underground storage tanks or other spills. If you live in an area where these potential sources of contamination exist, there is a higher probability of VOCs being in your well water.

Contaminants analyzed with this kit:

- Bacteria: Coliform/E.coli (Presence/Absence)
- Inorganics: Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chloride, Chromium, Copper, Fluoride, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Nitrate, Nitrite, Total Nitrate + Nitrite as N, Orthophosphate, Potassium, Selenium, Silica, Silver, Sodium, Sulfate, Thallium, Uranium and Zinc
- Volatile Organics: 1,1-Dichloroethylene, 1,1,1-Trichloroethane, 1,1,2-Trhichloroethane, 1,2-Dichloroethane, 1,2-Dichloropropane, Carbon Tetrachloride, Chlorobenzene, Cis-1,2-Dichloroehtylene, Ethylbenzene, Methylene Chloride, o-Dichlorobenzene, P-Dichlorobenzene, t-1,2-Dichloroethylene, Tetrachloroethylene, and Total Xylenes
- Properties: pH, Hardness and Electrical Conductivity

Turnaround time options and prices:

- Standard is approximately 3 to 4 weeks.
- Half time is approximately 2 to 3 weeks. (Price = Price of test + Half)
- Rush quickest is approximately 1 to 2 weeks. (Price = Price of test x 2)

How to take samples:

This kit requires special sampling instructions for the Bacteria sample and the VOC sample. The sample instructions for bacteria are on the back of this sheet as well as on our website under resources/sampling instructions. It is important to carefully follow the instructions for sampling bacteria. The VOC sample instructions are included on a separate sheet with this sampling kit. The other containers can be filled using the general sampling instruction sheet on the back of the WSI form that you will fill out to turn in with your samples. Once you have your samples, they need to be refrigerated until you can get them to the lab for testing. Samples should arrive at a temperature of not more than 48° F or 6° C (refrigerator temp.) but not frozen. If samples are received after hold time they must be rejected or run with a qualifier.

Lab Locations

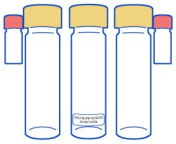
Best practice is to take the samples and get them to our lab the same day or within 24 hours of sampling, as some of the components of this panel have a short hold time. Keep samples refrigerated or on ice until they reach the lab. Drop off locations can be found for your location on our website at **www.EdgeAnalytical.com** under the locations section.

Bottles in POM 2.0 sample kit:

1 Liter Plastic
Contains no preservative

120 mL Round Plastic
Contains preservative inside
Commonly referred to as our Bacteria Bottle.

250 mL Plastic
Contains no preservative



40 mL Glass Vials
VOC Sampling Only

Instructions On Back

QR Codes:

Use the QR Codes to download a Chain of Custody form or find more instructional content for sampling your Peace of Mind kit.

For questions contact us at:
PH: 800-755-9295
EM: office@edgeanalytical.com

Chain of Custody

Sampling Instructions

VOC Video Instruction

Sampling Instructions

VOC Sampling Instructions

See separate VOC instructions sheet included with this kit.

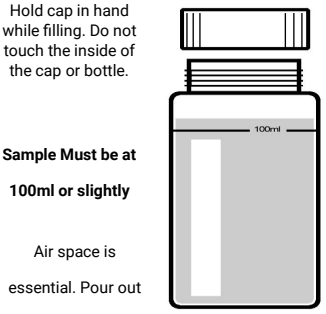
General Sampling Instructions for Liquids

- Locate sampling point that is most representative.
- Allow the liquid to flow until it stabilizes (i.e. – constant temperature)
- Write the collection date and time, sample location and the requested analyses (unless already printed on the label) in the places provided on the label.
- Reduce the flow to approximately the size of a dime prior to sample collection.
- Fill each container to it's neck - unless method specific instructions are provided and instruct otherwise.
- Fill the number of containers required for each analyses per sampling point. NOTE: The number of containers required per analysis is listed on the label in the PRESERVATION section if greater than one.
  - *If the analysis requires more than one container per sampling point, fill the duplicate container(s) at the same sample point under the same conditions as the 1st sample collected.*
- Place the sample back into its protective wrapping or container, if sent and securely place the sample back into the shipping cooler. Add enough ice (placed in re-sealable plastic bags to prevent leakage during shipment) to keep the samples at approximately 4°C.
- Ship: Edge Analytical, 1620 S. Walnut St, Burlington WA 98233
- Ship next day service to insure sample temperature and proper holding time are met. If compliance samples are received warm or exceed the holding time they have to be rejected according the USEPA regulations.
- Samples must be received Monday through Friday

Bacteria Sampling Instructions

SAMPLING BOTTLE:

The bottle you will need for sampling is a 125mL bottle. This bottle is sterile! Avoid opening it until needed. Handle with the greatest of care to avoid contaminating your sample. The bottle contains a white pellet or fine powder; this is normal and is a chemical used to neutralize excess chlorine in the sample.



COLLECTING PROCEDURE:

1) Collect sample from a non swivel household faucet in regular use. Avoid outside faucets to minimize environmental contamination.
2) See figure 1 below for tap or spigot samples.
3) See figure 2 below for Pond / Reservoirs / Swimming Pool, or River.
4) Do not sample hot water.
5) Avoid sampling through hoses.

1.

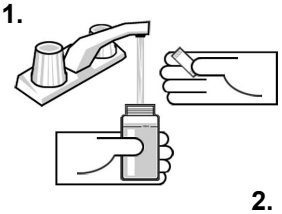


Figure 1 - From Tap: Hold cap in one hand while filling the sample bottle with the other.

2.

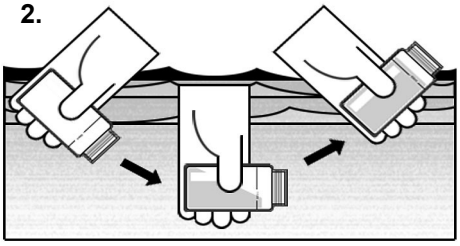


Figure 2 - From Pond/ Reservoir/Swimming Pool or River. Hold cap in free hand while filling. Move bottle with a continuous forward sweeping motion.

Please Read Carefully to Avoid Unsuitable Samples:

- For drinking water bring your samples in within 24 hours of sampling.
- For surface water bring your samples in within 8 hours of sampling.
- If sampling after chlorine disinfection, make sure the system has been thoroughly flushed and water does not smell of chlorine.
- Sample bottles will often have plastic or paper seals on the cap; carefully remove this seal without touching the insides of the container.