



Monterey County Health Department
Consolidated Environmental Laboratory
1270 Natividad Rd.
Salinas, CA 93906
(831) 755-4516

CCR TITLE 22 INORGANIC AND SECONDARY (AESTHETICS) TESTING

PURPOSE: Tests for inorganic and secondary (aesthetics) chemicals are performed to help establish whether water is suitable for drinking. Some of these chemicals have health effects (i.e. nitrates & heavy metals) while other chemicals determine the aesthetic qualities of water.

SAMPLE COLLECTION: Water samples taken for inorganic & secondary analysis must be collected and handled carefully in order to insure reliability of laboratory results. The following procedures will help you in this regard:

1. **Select a tap as close to the well as possible.** When you have found a suitable faucet, open it and allow water to flow for a few minutes before collecting a sample.
2. Carefully fill the five containers provided:
 - Two –one quart plastic container without preservative
 - One-pint plastic container with HNO₃
 - One-½ pint plastic container with NaOH
 - One-500 mL amber glass container without preservative

Some of these sample bottles contain acid or other corrosive/caustic preservatives. Avoid contact with skin. Use caution to avoid splashing or rinsing out the preservative while collecting samples. Note: If only Title 22 secondary (aesthetics) testing is ordered, the ½ pint plastic container with NaOH (for cyanide testing) is not required.

3. Label the sample bottles with sample identification, date and time of collection.
4. Complete the laboratory form including mailing address, name of sample collector, well number, description of sample point, date and time of collection, and test ordered (i.e. "INORGANIC & SECONDARY").

CARE OF SAMPLE:

*Some analyses included in the secondary (aesthetics) panel must be tested within 48 hours of collection. To assure that this time limit is met, it is preferable to: 1) collect samples Monday through Thursday, and 2) submit the sample directly to the laboratory between 8:00 a.m. and 2:00 p.m. or one of the following health department offices **on the same day of collection:***

Monterey Co. Environmental Health
1200 Aguajito Rd.
Monterey, CA
831-647-7654

Monterey Co. Environmental Health
200 Broadway St. Suite 70
King City, CA
831-386-6899

Monterey - Drop off by 9:00 a.m.

King City – Drop off by 9:00 a.m.

Samples that cannot be delivered to the laboratory within one hour after collection should be refrigerated (e.g. iced cooler). Health department offices can provide for cold storage/transport from point of receipt.

Due to the number of analyses involved, average turnaround is four weeks.

FEE FOR TESTING

Some of the Title 22 inorganic analyses are performed by a reference laboratory that we have selected based on high quality and competitive pricing. The current fee for Title 22 inorganic and secondary (aesthetics) analysis is \$336 per sample. If you do not have an account with our laboratory, you must pay in advance for this testing. Clients who have an account will be billed at the end of the month that the results are reported.

INTERPRETATION OF RESULTS

The Maximum Contaminant Level (MCL) for each chemical tested will accompany your laboratory result. This is a number established by Federal and State drinking water standards; levels above the MCL have been associated with adverse health effects or unsatisfactory aesthetic qualities. If you have any questions regarding laboratory results, please call. We appreciate your business and look forward to providing you the highest quality laboratory services.