



Monterey County Health Department
Consolidated Environmental Laboratory
1270 Natividad Rd., Rm. 118
Salinas, CA 93906
(831) 755-4516

STORM DRAIN ANALYSIS

PURPOSE: Storm Drain Analysis testing is required for compliance with discharge permits under the National Pollutant Discharge Elimination Program –NPDES. Tests for Storm Drain analysis include Total Suspended Solids, pH, Oil and Grease and TOC (if requested).

SAMPLE COLLECTION: Collect all samples with care to ensure that the sample is representative of the runoff being tested. Water samples taken for Storm Drain 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 location that ensures the sample is representative of the runoff being tested, and/or according to your permit application.
2. Carefully fill the containers provided:
 - One –one quart plastic container without preservative
 - Two – 1 Liter amber glass with HCl or H₂SO₄ preservative

If TOC Requested also fill the following containers:

 - Three-40 ml glass vials with H₃PO₄ - The vials contain an acid preservative so avoid contact with skin, wear disposable gloves if necessary.

Note: When filling these vials, it is very important that no air bubbles are trapped in the container. Immediately replace the cap on the vials. Invert the vials and examine for air bubbles; If necessary remove cap and add more sample to eliminate all air.
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. "Storm Drain Analysis").

CARE OF SAMPLE:

*Some analyses included in the Storm Drain Analysis 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 3:00 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 to two hours 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 use of a reference laboratory, average turnaround is three to four weeks.

FEE FOR TESTING

Some of the Storm Drain Analysis are performed by a reference laboratory that we have selected based on high quality and competitive pricing. The current fee for Storm Drain Analysis Panel is \$104 per sample. If TOC is also required the fee is \$150 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

While it is desirable for sediment concentrations from a site to be as low as possible, the amount that a site can contribute is determined by a TMDL analysis and in the absence of an implemented TMDL, the instream concentrations below the point of discharge cannot be significantly different from the upstream concentrations.

See the state website for more information. <http://www.swrcb.ca.gov/> for more info.

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.