

*Includes  
Water Microbiology  
and  
Potable Water*

2010

# Environmental Laboratory

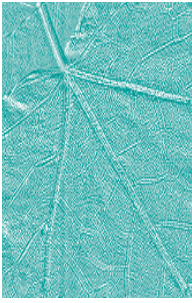
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## Proficiency Testing



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Phone (800) 462-5261, ext. 46  
FAX (608) 265-1111  
[www.wslhpt.org](http://www.wslhpt.org)

*Wisconsin State Laboratory of Hygiene*



## Why enroll in proficiency testing?

### **Responsibility to your customers**

As the public becomes more knowledgeable and concerned about environmental contamination and disease, your customers are relying on you for even greater accuracy and quality in test results.

### **State certification**

Many states, including Wisconsin, require proficiency testing for environmental labs.

WSLH Proficiency Testing is an approved provider of environmental proficiency testing (PT) samples for Wisconsin environmental laboratory certification and registration.

### **Quality Assurance**

Make proficiency testing an integral part of your laboratory's Quality Assurance program. Successful testing can help ensure your lab meets the quality standards demanded by your current and potential customers, as well as regulatory and accrediting agencies.

## What types of programs are available?

### **Environmental Reference PT Certification Samples for Chemistry Analytes (Potable and Non-potable Water)**

If you need proficiency testing for **Wisconsin certification and/or registration**, the WSLH's Environmental Reference PT Sample program will meet your needs. Samples are available for both potable and non-potable water.

The program works as follows:

1. WSLH PT will ship you the requested samples.
2. You return your results by the results due date. You will receive a report of true values, acceptable ranges and scored results in less than 30 days from the due date.
3. Scored results are electronically transferred to the Wisconsin DNR Laboratory Certification Program.
4. If you successfully analyze the samples, no further action need be taken.
5. If you fail any of the analyses, additional samples will be shipped to you on the next shipment date.

### **Quality Assurance Samples for Chemistry Analytes**

You can order Quality Assurance Samples to monitor your test procedures for your lab's

own internal quality control needs. We can provide a large variety of analytes at different concentrations.

This program includes samples for:

- **Quality Control Standards Program** (formerly Blind Standards) – This program for verification of calibration accuracy ships samples three times a year. Each shipment contains samples with known true values and acceptable ranges for each analyte(s).
- **Survey Validated Samples** – You can purchase the samples individually (as material is available). These samples are useful for training new employees, instrument evaluation, method development and practicing tests that have been problematic in the past. Labs wishing to purchase Survey Validated Samples, may call **(800) 462-5261, ext. 46**.

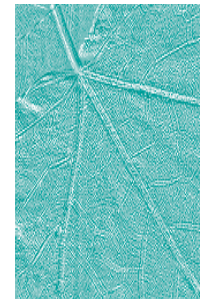
### **Water Microbiology Certification Samples**

This program contains two shipments of 5 samples each. Samples contain lyophilized bacteria associated with drinking water. These samples should be analyzed for each total coliform/fecal coliform or *E. coli* method or technique used in your laboratory for a complete public water test.

### **Water Microbiology Quality Assurance Samples**

Labs may purchase either one or two shipments of three known samples of lyophilized bacteria associated with drinking water. These samples are useful for demonstrating analyst competency, training new analysts or practicing tests that have been problematic in the past.

See a list of available samples and analytes on the back page of this catalog.



## When will my lab receive samples?

### Environmental Reference for Chemistry Analytes

DW2010-1 (Potable Water)  
ER2010-1 (Non-potable water).....Jan. 11, 2010

DW2010-2 (Potable Water)  
ER2010-2 (Non-potable water).....April 12, 2010

DW2010-3 (Potable water)  
ER2010-3 (Non-potable water)..... June 15, 2010

**Quality Control Standards for Chemistry Analytes**  
QCS2010-1 ..... March 9, 2010  
QCS2010-2 ..... July 13, 2010  
QCS2010-3 ..... Nov. 16, 2010

### Water Microbiology Certification Samples

WM2010-1 ..... March 29, 2010  
WM2010-2 ..... Oct. 25, 2010

### Water Microbiology Quality Assurance Samples

WQA2010-1 ..... April 26, 2010  
WQA2010-2 ..... Sept. 27, 2010

## How do I enroll?

You may register for the Environmental Reference Samples, Quality Control Standards program(s), the Water Microbiology Certification and/or Quality Assurance Samples using the enclosed enrollment application.

### *WSLH Environmental Proficiency Testing Policies*

**Environmental Reference Enrollment Policy**  
– Due to Wisconsin certification requirements, enrollment in the Environmental Reference

Samples program will continue for the number of events it takes for your lab to attain satisfactory performance. **If your lab does not pass all analytes in the first event, then in the next event shipment you will automatically receive and be billed for the analytes that still need to be passed unless a written cancellation request is received 30 calendar days prior to the shipment date.** If your lab does not pass the second event, this process will be repeated for the third event.

**Cancellation Policy** – Full refunds will be made for cancellations requested up to 30 calendar days before a program’s first shipment date. Partial refunds will be made for cancellations requested up to 30 calendar days before each of the program’s subsequent shipments. Any overpayment or credit will remain on your account until the Wisconsin State Laboratory of Hygiene receives a refund request.

## Questions?

If you have questions about:

- Enrollment
- Program content
- Scoring
- Survey Validated Sample availability
- General environmental proficiency testing

Please call Barb Burmeister at (800) 462-5261, ext. 46.

- Lab testing procedures for chemistry analytes  
Please call Roger Schultz at (608) 224-6282.

- Microbiology testing procedures

Please call Sharon Kluender at (608) 224-6262.

- Billing

Please call the WSLH Accounts Receivable Department at (800) 862-1065.

- Wisconsin certification and registration requirements for chemistry

Please e-mail the Wisconsin Department of Natural Resources (Labcert@dnr.state.wi.us), visit their Web site at <http://www.dnr.state.wi.us/org/es/science/lc/info> or call (608) 267-7633.

- Wisconsin certification requirements for microbiology

Please call Laura Traas at the Department of Agriculture, Trade and Consumer Protection at (414) 760-1364.

# Chemistry Analytes available from WSLH Proficiency Testing

## POTABLE WATER

### Cyanide

Total Cyanide

### Metals

Antimony      Lead  
Arsenic        Mercury  
Barium         Nickel  
Beryllium      Selenium  
Cadmium       Sodium  
Chromium      Thallium  
Copper

### Minerals

Nitrate as N  
Fluoride  
Sulfate

### Nitrite

Nitrite as N

## NON-POTABLE WATER

### BOD/COD

Biological Oxygen Demand  
CBOD  
Chemical Oxygen Demand

### Chlorine

Total residual chlorine

### Cyanide

Total cyanide

### Hardness

Hardness (EDTA)

### Metals A

Aluminum  
Barium  
Cadmium  
Calcium  
Chromium  
Cobalt  
Copper  
Hardness (calculated)  
Iron  
Lead  
Magnesium  
Manganese  
Nickel  
Potassium  
Silver  
Sodium  
Zinc

### Metals B

Arsenic  
Mercury  
Selenium

### Metals C

Antimony  
Beryllium  
Molybdenum  
Strontium  
Thallium  
Vanadium

### Metals D

Bismuth  
Lithium  
Silicon  
Titanium

### Metals E

Boron  
Tin

### Minerals

Alkalinity as CaCO<sub>3</sub>  
Chloride  
Conductivity  
Fluoride  
Sulfate

### Nitrite

Nitrite as N

### Nutrients A

Ammonia as N  
Nitrate as N  
Nitrate + Nitrite as N  
ortho-Phosphate as P

### Nutrients B

Total Kjeldahl nitrogen (TKN)  
Total phosphorus

### Oil and Grease (HEM)

### pH

### Phenolics

Total Phenolics (4-AAP)

### Solids

Total Dissolved Solids (TDS)  
Total Suspended Solids

