

Arizona Lab Licensure PT protocol

September 12, 2014

This protocol was approved by the Environmental Laboratory Advisory Committee (ELAC) on September 11, 2014.

Based on the requirements of the Arizona Lab Licensure rules (December 2006) and the current availability of the PT samples, the following PT policy has been developed:

Background:

Lab Licensure Rules:

- 1) R9-14-609.A & B. requires proficiency test be performed in drinking water in all the methods licensed by the lab at least once in each 12-month period;
- 2) R9-14-609.C. requires proficiency test be performed in non-drinking water in all the methods licensed by the lab at least once in each 12-month period (for which PTs are available);
- 3) R9-14-609.D. requires proficiency testing in non-drinking water to include at least one PT sample for each parameter (for which PTs are available);
- 4) Parameter is defined under R9-14-601.72 as: "*Parameter*" means the combination of a particular type of a sample with a particular approved method by which the sample will be analyzed for a particular analyte or characteristic. This definition signifies the type of sample matrix.
- 5) The lab does not have to run PT samples in both the liquid and solid waste unless the lab is licensed and reporting results in both the matrices for compliance;
- 6) It is not required to run PT samples in combination with all the extraction methods licensed by a lab.

There are 3 categories of PT samples available from the certified PT providers:

- 1) Drinking Water
- 2) Non-Potable Water and
- 3) Haz-Waste.

Individual categories

Drinking water:

It is a requirement to run PT study by all the methods licensed by a lab; there is no requirement to purchase different lots of PT samples for a parameter if licensed by multiple methods in drinking water.

Example: If licensed for lead in drinking water by 200.7 and 200.8, then a single lot of PT sample can be used for both the methods.

Non Potable Water:

It is a requirement to run PT study by all the methods licensed by a lab for waste water and aqueous Haz-waste programs; a single lot PT sample can be used for all the methods.

Example: If licensed for lead in waste water by 200.7, 200.8 and aqueous hazardous waste by 6010B and 6020, a single non potable water PT sample can be used for all these methods.

Haz-Waste soil:

It is a requirement to run PT study by all the methods licensed by a lab for Haz-Waste soil testing. A single PT sample can be used for all the methods.

Example: if licensed for lead in soil by 6010B and 6020, then a single soil PT sample can be used for both the methods.