INSTRUMENTS, EQUIPMENT AND EXTERNAL STANDARDS APPROVED FOR
THE QUANTITATIVE MEASUREMENT OF ALCOHOL IN PERSON’S BREATH IN
WASHINGTON STATE

I, Fiona J. Couper, affirm under penalty of perjury under the laws of the State of
Washington that the following is true and correct:

I am the State Toxicologist authorized under RWC 46.61.506 to approve methods for
breath alcohol testing with the State of Washington.

The instruments approved for the quantitative measurement of alcohol in a person’s
breath are:

   a) The DataMaster
   b) The DataMaster CDM
   c) The Drager Alcotest 9510

A Guth Model 34C or Guth Model 2100 wet bath simulator device is attached to every
DataMaster and DataMaster CDM. Each Guth Model 34C simulator employs a mercury-
in-glass thermometer with a scale graduated in tenths of a degree measuring a range
between 33.5 to 34.5 degrees centigrade, and each Guth Model 2100 simulator employs a
digital thermometer, as approved in WAC 448-16-020.

All Guth Model 34C and Guth Model 2100 wet bath simulator devices operate through
the use of a certified, liquid simulator solution. These simulators will function in the
analysis of a breath sample, as defined in WAC 448-16-050, only if a liquid simulator
solution is used. A liquid simulator solution must be used with the Guth Model 34C or
the Guth Model 2100 simulator devices in order to produce a breath test result.

A dry gas external standard is a component of the Drager Alcotest 9510. The Drager
Alcotest 9510 only uses a dry gas external standard. Gas standards are not susceptible to
temperature variations, so thermometers are inapplicable to this instrument.

All approved breath test instruments calculate whether the breath test results are within
plus or minus 10% of their mean in accord with WAC 448-16-060. If a breath sample is
outside this parameter, no breath test result is generated.

EXECUTED this 8th day of May, 2015, at Seattle, Washington

Dr. Fiona J. Couper, State Toxicologist