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 _____ day of May, 2015, at Seattle, Washington

Dr. Fion J. Couper, State Toxicologist