

1 each measured using infrared spectroscopy and electrochemical analysis. This yields a total of
2 four individual breath test results that are truncated at the thousandth decimal place.

3 7. The data collected from a breath test on a Draeger Alcotest 9510 is available on
4 the WSP's Discovery Materials Site (WebDMS) website. The address for the website is
5 https://wsp.wa.gov/breathtest/wdms_home.htm

6 8. The Draeger Alcotest 9510 calculates whether two breath test samples agree to
7 within +/- ten percent of their mean using the following calculations: the sum of the four breath
8 test results is divided by 4 to obtain the mean result, which is truncated to four decimal places.
9 To calculate the acceptability range (+/- ten percent of mean), the mean is then multiplied by 0.9
10 and 1.1, and truncated to three decimal places.

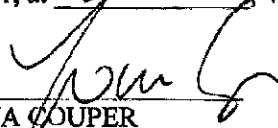
11 9. The data to calculate the mean of the four breath test results under WAC 448-16-
12 060 is available on WebDMS. A person could use the breath test data on WebDMS to calculate
13 the mean for the four breath test results (from a specific breath test) under WAC 448-16-060's
14 formula.

15 10. If a person submitted a breath test sample on the Draeger Alcotest 9510
16 instrument, and the four breath test results were 0.091, 0.094, 0.090 and 0.092 g/210 L the mean
17 calculation under WAC 448-16-060 is $0.091 + 0.094 + 0.090 + 0.092 = 0.367$ g/210 L; $0.367/4$
18 $= 0.09175$ g/210 L, rounded to four decimal places is 0.0918 g/210 L. The calculations for
19 determining the acceptability range (+/- ten percent of mean) are $0.0918 \times 0.9 = 0.08262$ g/210
20 L (truncated to 0.082 g/210 L) and $0.0918 \times 1.1 = 0.10098$ g/210 L (truncated to 0.100 g/210 L).

21 11. If a person submitted a breath test sample on the Draeger Alcotest 9510
22 instrument, and the four breath test results were 0.091, 0.094, 0.090 and 0.092 g/210 L, the mean
23 calculation under the Draeger Alcotest 9510's formula is $0.091 + 0.094 + 0.090 + 0.092 = 0.367$
24 g/210 L; $0.367/4 = 0.09175$ g/210 L. truncated to four decimal places is 0.0917 g/210 L. The
25 calculations for determining the acceptability range (+/- ten percent of mean) are $0.0917 \times 0.9 =$
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1 | 0.08253 g/210 L (truncated to 0.082 g/210 L) and $0.0917 \times 1.1 = 0.10087$ g/210 L (truncated to
2 | 0.100 g/210 L).

3 | EXECUTED this 18th day of June, 2021, at Seattle, Washington.

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5 | FIONA COUPER

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