Question 19.10

Topic: Frequency of 3-Point Analyzer and System Calibration Error Checks

Question: How often must the 3-point analyzer calibration error check (for dry-extractive RM systems) or the 3-point system calibration error check (for dilution-type RM systems) be performed?

Answer: A 3-point analyzer or system calibration error check is required before any RM test runs are initiated. Thereafter, the test does not have to be repeated so long as an unbroken sequence of RM test runs is conducted (with less than two hours between runs) and the RM analyzer continues to pass the post-run bias (or calibration error) and drift checks. However, if two or more hours elapse between the ending and beginning times of successive test runs or if any required post-run check (i.e., system bias, system calibration error, zero drift, or calibration drift) is failed, the 3-point calibration must be repeated before any more RM runs are done.

References: § 75.20(d)(3); Method 7E, Sections 8.2.3 and 8.5

History: First published in March 1995, Update #5; revised in 2013 Manual