

Question 19.3

Topic: Calibration Gas Concentrations for RM Backup Monitoring

Question: What calibration gas concentrations are needed to operate a Part 75 backup RM gas monitor?

Answer: At least two EPA Protocol gases (mid-level and high-level) are needed. A low-level gas is also required. The low-level gas must be an EPA Protocol gas unless it meets the definition of "zero air material" in 40 CFR 72.2. The proper concentrations of the gases are defined in terms of the calibration span value for the instrumental method, and are as follows:

- (1) Low-level: Less than 20% of the calibration span;
- (2) Mid-level: 40 to 60% of the calibration span; and
- (3) High-level: Equal to the calibration span.

References: § 75.20(d)(3); Method 7E, Sections 3.3 and 3.3.1 through 3.3.3

History: First published in March 1995, Update #5; revised in October 1999 Revised Manual; revised in 2013 Manual