

Air Quality Specialist Certification Practice Test Questions and Answers

1. What is the primary health-based National Ambient Air Quality Standard (NAAQS) for PM_{2.5} particles over a 24-hour period?

- A) 35 $\mu\text{g}/\text{m}^3$
- B) 50 $\mu\text{g}/\text{m}^3$
- C) 75 $\mu\text{g}/\text{m}^3$
- D) 150 $\mu\text{g}/\text{m}^3$

2. Which monitoring method is most appropriate for measuring volatile organic compounds (VOCs) in ambient air?

- A) High-volume sampling with filter media
- B) Canister sampling with gas chromatography analysis
- C) Real-time particulate monitors
- D) Passive diffusion tubes

3. According to EPA guidelines, what is the minimum data capture requirement for regulatory air quality monitoring stations?

- A) 75% valid data
- B) 85% valid data
- C) 90% valid data
- D) 95% valid data

4. What atmospheric condition most significantly affects ground-level ozone formation?

- A) High humidity and low wind speeds
- B) Strong solar radiation and elevated temperatures
- C) Low atmospheric pressure and high precipitation
- D) Cool temperatures and stable atmospheric conditions

Answers: 1-A 2-B 3-A 4-B

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