

EPA Test Methods and Pollutants Accepted by the ERT, and Supporting Documentation

What is this?

This page contains information that will help ensure that test methods and associated QA are followed properly. There is a link to EPA's Emission Measurement Center (EMC) website which includes helpful hints for preparing and reviewing test plans and full test reports. The goal of the EMC Team is to increase QA activities within stationary source testing programs.

<p>The test methods supported by ERT include the following:</p>	
<p>Methods 1 through 4 (7/22/08) Method 3A (7/22/08) Method 5 (7/22/08) Method 5A (12/22/16) Methods 5B, 5F and 5G (7/17/10) Method 6C (7/22/08) Method 7E (7/22/08) Method 8 (9/22/09) Method 10 (7/22/08) Method 12 (7/17/10) Methods 13A and 13B (7/17/10) Method 17 (7/22/08) Method 23 (9/22/09) Method 0023A (6/20/16) Method 25A (7/22/08) and 25B (8/11/16) Method 26 (7/22/08) Method 26A (7/22/08) Modified Method 26A Subpart S (10/29/15) Method 29 (7/22/08) Method 101 (7/22/08) Method 101A (7/22/08) Method 102 (10/11/11)</p>	<p>Method 103 (10/11/11) Method 104 (10/11/11) Method 108 (10/11/11) Method 201A (7/22/08) Method 202 (7/22/08) Method 0010 (10/29/15) Method 0011 (9/22/09) Method 0061 (10/11/11) Method 30B (12/4/14) Method 306 (3/19/13) Method 306A (9/11/14) Method 308 (12/22/16) Method 315 (10/11/11) Method 316 (10/11/11) CARB Method 428 (4/23/13) CARB Method 429 (4/23/13) CT Method 27 (5/2/16) OTM 29 (5/2/16) ASTM 2515-10 (8/28/2020) CSA 415.1 (8/28/2020) Performance Specification 2 (9/22/11) Performance Specification 3 (9/22/11) Performance Specification 4 (9/22/11) Performance Specification 8 (8/11/16) Performance Specification 12B (8/28/2020)</p>
<p>The pollutants quantified by these test methods include:</p>	
<ul style="list-style-type: none"> - Filterable Particulate Matter - Condensable Particulate Matter - Filterable PM10 - Filterable PM2.5 - Acetaldehyde - Formaldehyde - Carbon Monoxide - Chlorine, Chloride, Hydrogen Chloride, Total Chloride and Chlorine Dioxide - Total Fluoride - Hydrogen Fluoride - Hydrogen Bromide - Nitrogen Oxides (NOx) - Sulfur Dioxide - Sulfuric Acid - Sulfur Trioxide - Total organic compounds (TOC) (as Carbon, Ethane, Methane, Propane) 	<ul style="list-style-type: none"> - Metals including Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Hexavalent Chromium, Lead, Manganese, Mercury, Nickel, Phosphorus (yellow or white), Selenium, Silver, Thallium and Zinc - Dioxin/Furan Cogeners - Coplaner PCB's - PAH Compounds - Total Dioxins, Total Mono-CBs, Total Di-CBs, Total Tri-CBs, Total Tetra-CBs, Total Penta-CBs, Total Hexa-CBs, Total Hepta-CBs, Total Octa-CBs, Total Nona-CBs, and 2,3,3',4,4',5/2,3,3',4,4',5' -HxCB -Bis(chloromethyl)ether -1,2-Dibromo-3-chloropropane -Hexachloroethane -trans-1,3-Dichlorpropene -Benzyl chloride -2,4,6-Trichlorophenol -1,4-Dichlorobenzene -2,4,5-Trichlorophenol -Hexachlorobenzene -2-Chloroacetophenone -Pentachlorophenol -1,1,2,2-Tetrachloroethane -Bromoform -Chlorobenzene -Tetrachloroethene -1,2-Dibromoethane -1,1,2-Trichloroethane -Pentachloronitrobenzene -cis-1,3-Dichlorpropene -Chlorobenzilate

The Relative Accuracy Test Audit (RATA) pollutants which can be documented include:

- Carbon Monoxide
- Carbon Dioxide
- Nitrogen Oxides
- Sulfur Dioxide
- Oxygen
- TOC (Total Organic Compounds)
- Mercury (8/28/20202)