

Designated Reference & Equivalent Methods

Rotek Environmental Inc. has operational experience on the identified USEPA Designated Reference & Equivalent Methods listed below for continuous and non-continuous air monitoring instrumentation.

Gases

Designated Reference and Equivalent Methods: Sulphur Dioxide

Beckman Model 953 Fluorescent Ambient SO₂ Analyzer

Automated Equivalent Method: EQSA-0678-029

Advanced Pollution Instrumentation, Inc Models 100 SO₂ Analyzer.

Automated Equivalent Method: EQSA-0990-077

Advanced Pollution Instrumentation, Inc Models 100A and 100AS SO₂ Analyzer.

Automated Equivalent Method: EQSA-0495-100

Dasibi Model 4108 U.V. Fluorescence SO₂ Analyzer

Automated Equivalent Method: EQSA-1086-061

Monitor labs / Lear Siegler Model 8850 SO₂ Analyzer

Automated Equivalent Method: EQSA-0779-039

Philips PW9700 SO₂ Analyzer

Automated Equivalent Method: EQSA-0876-011

Thermo Electron Model 43 SO₂ Analyzer

Automated Equivalent Method: EQSA-0276-009

Thermo Environmental Instruments, Inc. Model 43A,43B,43C Analyzer

Automated Equivalent Method: EQSA-0486-060

Designated Reference and Equivalent Methods: Carbon Monoxide

Advanced Pollution Inst. Inc. Model 300 CO Analyzer

Automated Equivalent Method: RFCA-1093-093

Dasibi Model 3008 CO Analyzer

Automated Equivalent Method: RFCA-0488-67

Thermo Electron /Thermo Environmental Instruments Models 48,48C

Automated Equivalent Method: RFCA-0981-054

Designated Reference and Equivalent Methods: Ozone

Advanced Pollution Instrumentation, Inc Models 400/400A Ozone Analyzer

Automated Equivalent Method: EQOA-0992-087

Dasibi Models 1003-AH,1003-PC, 1003-RS Ozone Analyzer
Automated Equivalent Method: EQOA-0577-019

Dasibi Models 1008-AH,1008-PC, 1008-RS Ozone Analyzer
Automated Equivalent Method: EQOA-0383-056

Monitor Labs/Lear siegler Model 8810 Ozone Analyzer

Automated Equivalent Method: EQOA-0881-053

Thermo Electron/Thermo Environmental Instrumentation Model 49,49C

Automated Equivalent Method: EQOA-0880-047

Designated Reference and Equivalent Methods: Oxides of Nitrogen

Monitor Labs/Siegler Model 8840 NO_x Analyzer

Automated Equivalent Method: RFNA-0280-042

Thermo Electron /Thermo Environmental Instruments Models 48,48C

Automated Equivalent Method: RFCA-0981-054

Particulates

Designated Reference and Equivalent Methods: Particulate Matter PM₁₀, PM_{2.5}

Rupprecht & Patashnick TEOM Series 1400/1400a PM₁₀ Monitors

Automated Equivalent Method: EQPM-1090-079

Met One Models BAM/GBAM 1020, BAM 1020-1 PM₁₀ Analyzer.

Automated Equivalent Method: EQPM-0798-122

Graseby Anderson/GMW Model FH621-N Beta PM₁₀ Monitor

Automated Equivalent Method: EQPM-0990-076

Graseby Anderson/GMW Model SA241 and SA241M Dichotomous Sampler.

Manual Reference Method: RFPS-0789-073

Graseby Anderson / GMW Model 321-C High-Volume Air Sampler

Manual Reference Method: RFPS-1287-065

Rupprecht & Patashnick Partisol-Plus Model 2025 Sequential PM₁₀.

Manual Reference Method: REPS 1298-127

Graseby Anderson Chemical Model RAAS2.5 -300

Manual Reference Method: RFPS-0598-120