

# Designated Reference & Equivalent Methods

**R**otek 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 SO<sub>2</sub> Analyzer

*Automated Equivalent Method: EQSA-0678-029*

Advanced Pollution Instrumentation, Inc Models 100 SO<sub>2</sub> Analyzer.

*Automated Equivalent Method: EQSA-0990-077*

Advanced Pollution Instrumentation, Inc Models 100A and 100AS SO<sub>2</sub> Analyzer.

*Automated Equivalent Method: EQSA-0495-100*

Dasibi Model 4108 U.V. Fluorescence SO<sub>2</sub> Analyzer

*Automated Equivalent Method: EQSA-1086-061*

Monitor labs / Lear Siegler Model 8850 SO<sub>2</sub> Analyzer

*Automated Equivalent Method: EQSA-0779-039*

Philips PW9700 SO<sub>2</sub> Analyzer

*Automated Equivalent Method: EQSA-0876-011*

Thermo Electron Model 43 SO<sub>2</sub> 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<sub>x</sub> 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 PM<sub>10</sub>, PM<sub>2.5</sub>

Rupprecht & Patashnick TEOM Series 1400/1400a PM<sub>10</sub> Monitors

*Automated Equivalent Method: EQPM-1090-079*

Met One Models BAM/GBAM 1020, BAM 1020-1 PM<sub>10</sub> Analyzer.

*Automated Equivalent Method: EQPM-0798-122*

Graseby Anderson/GMW Model FH621-N Beta PM<sub>10</sub> 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 PM<sub>10</sub>.

*Manual Reference Method: REPS 1298-127*

Graseby Anderson Chemical Model RAAS2.5 -300

*Manual Reference Method: RFPS-0598-120*