

Sorbent Traps for Mercury Emission Monitoring

ABOUT

Mercury Emission Monitoring

SKC MET Traps provide accurate and convenient monitoring of total vapor-phase mercury from coal-fired power plants.

EPA Draft Method 30B

This is a draft reference method for relative accuracy test audits (RATAs) of vapor phase mercury monitoring systems installed at coal-fired boilers.

Visit www.epa.gov/mercury, *Controlling Power Plant Emissions*.

MET Trap

Performance Profile

Long-term Traps:

Monitoring Time:

4 to 7 days

Dimensions:

10-mm OD x 240-mm L

Sections:

3 sections

Tube Ends:

Glass open, one end tapered

EPA 30B RATA Traps:

Monitoring Time:

1 to 2 hours

Dimensions:

6-mm OD x 200-mm L or
10-mm OD x 240-mm L

Sections:

2 sections

Tube Ends:

Glass open

Designed for:

EPA Draft Method 30B

From the World Leader in Sorbent Sample Media

- ▶ Low mercury background
- ▶ High-capacity mercury loading
- ▶ Reliable, with rigid QA/QC procedures and extensive field testing
- ▶ Highly accurate vapor spiked, unspiked, and custom spiked traps available
 - Vapor-spiked long-term traps
 - Unspiked and vapor-spiked short-term traps meet EPA Draft Method 30B requirements (*see left*)
- ▶ Convenient trap features
 - Unique sample ID number etched on each trap
 - Easy-off cap plugs — easy leak testing
 - Tapered glass for easy and safe use
 - Ready-to-use pairs in protective packaging
 - Chain of custody form and certificate of analysis provided for each trap
- ▶ Available from stock or custom-spiked for your application
- ▶ Technical support from scientific professionals

SKC Mercury Emission Testing (MET) Traps are backed by extensive field testing and years of the experience and quality you expect from SKC. Choose SKC MET Traps to obtain the accurate mercury emissions data needed to develop effective controls.



1
Sample collection
section

2
Breakthrough
indicator section

3
Vapor-spiked section to
measure recovery

SKC Long-term Vapor-spiked MET Trap for Mercury Monitoring

SKC MET Traps — Make the Right Choice



SKC 1 to 2-hour MET Trap for EPA Draft Method 30B relative accuracy test audit (RATA) testing



SKC 4 to 7-day Vapor-spiked MET Trap for mercury monitoring

| Spiked Long-term Mercury Monitoring Traps | | | | | | |
|---|---------------------|----------|------|------------------------|----------|---------------|
| Description | Size (mm) OD x L | Sections | Ends | Spike (ng/section)* | Cat. No. | Price/Pk of 2 |
| Vapor-spiked Iodinated Charcoal Traps, three 1000-mg sections | 10 x 240 | 3 | GO | 1000 | 226-224 | \$ 198.00 |
| | | | | 2500 | 226-225 | 198.00 |
| | | | | 5000 | 226-220 | 198.00 |
| | | | | 7500 | 226-226 | 198.00 |
| | | | | 10,000 | 226-227 | 198.00 |
| | | | | 15,000 | 226-221 | 198.00 |
| | | | | 20,000 | 226-228 | 198.00 |
| | | | | 25,000 | 226-229 | 198.00 |
| | | | | 30,000 | 226-222 | 198.00 |
| 40,000 | 226-230 | 198.00 | | | | |
| Custom spiking available! | | | | | | |

| Unspiked Long-term Trap for Quantification of Stack Emissions | | | | | | |
|--|---------------------|----------|------|------------------------|----------|---------------|
| Description | Size (mm) OD x L | Sections | Ends | Spike (ng/section)* | Cat. No. | Price/Pk of 2 |
| Unspiked Iodinated Charcoal Traps, for quantification of stack emissions prior to sampling | 10 x 240 | 2 | GO | None | 226-223 | \$ 62.00 |

| Short-term EPA 30B RATA Traps | | | | | | |
|---|---------------------|----------|------|-----------------------|----------|---------------|
| Description | Size (mm) OD x L | Sections | Ends | Spike (ng/section) | Cat. No. | Price/Pk of 2 |
| RATA Vapor-spiked Iodinated Charcoal Traps, two 200-mg sections | 6 x 200 | 2 | GO | 50 | 226-215 | \$ 140.00 |
| | | | | 100 | 226-216 | 140.00 |
| | | | | 150 | 226-217 | 140.00 |
| | | | | 200 | 226-218 | 140.00 |
| RATA Unspiked Iodinated Charcoal Traps, two 200-mg sections | 6 x 200 | 2 | GO | None | 226-219 | 48.00 |
| RATA Vapor-spiked Iodinated Charcoal Traps, two 300-mg sections | 10 x 240 | 2 | GO | 50 | 226-235 | 140.00 |
| | | | | 100 | 226-236 | 140.00 |
| | | | | 150 | 226-237 | 140.00 |
| | | | | 200 | 226-238 | 140.00 |
| RATA Unspiked Iodinated Charcoal Traps, two 300-mg sections | 10 x 240 | 2 | GO | None | 226-239 | 48.00 |

* Spike results for long-term traps are listed by lot number at www.skcinc.com/tubes/met.asp.

Quantity discounts available!

The MET Team

Mercury Monitoring Solutions

SKC is committed to providing quality MET Traps. Therefore, SKC has joined the Mercury Emissions Testing (MET) Team — a partnership that provides mercury monitoring solutions. Members of the MET Team include:



SKC — the world leader in sampling media providing high quality, low-background mercury emission sorbent traps.



Clean Air Engineering — the innovative leader in air quality management offering reliable stack sampling systems and testing services.



CONSOL Energy — the laboratory leader in coal-fired power plant emission analysis providing expert analysis of mercury emission samples.

For more information, visit www.MET-Team.com