

# Mobile Mercury Monitoring Toolkit

4 steps to measuring mercury from coal combustion

## 1 Transport and Set up Equipment

- All equipment fits in a van
- Set up typically takes 2-3 hours



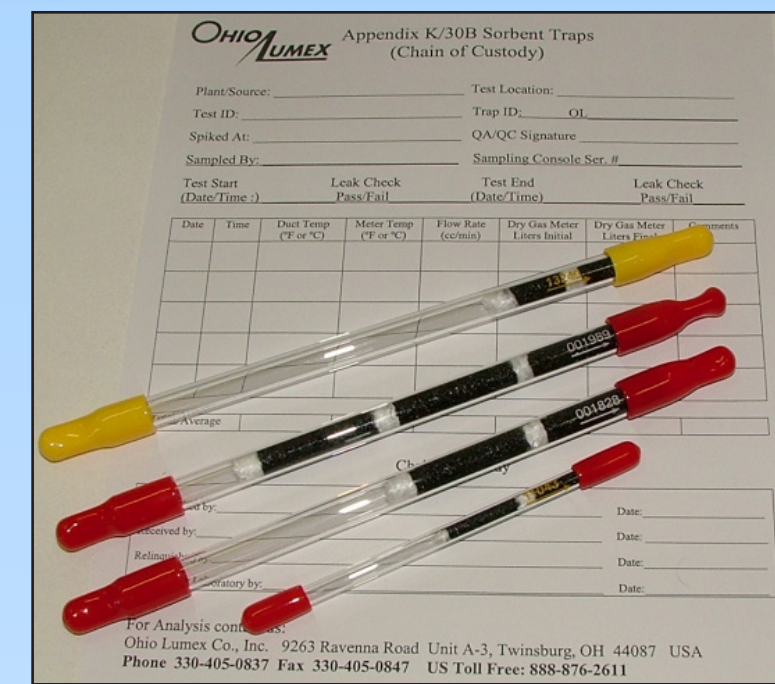
## 2 Collect Samples

- Collect samples of coal, ash, flue gas, and discharges from the pollution control devices



## 3 Analyze Samples

- On site results
- Self validation



## 4 Evaluate Results

- Mercury emissions
- Pollution control co-benefits
- Emission factors

Plant A	
Unit	Flue Gas (µg/m <sup>3</sup> )
Unit 1	8.4
Unit 2	3.1
Unit 3	2.9

Plant B	
Unit	Flue Gas (µg/m <sup>3</sup> )
Unit 1	31.3
Unit 2	36.9
Unit 3	35.1

Plant C		
Unit	Flue Gas	Flue Gas (µg/m <sup>3</sup> )
Unit 1	106	2.64
Unit 2	69	3.20
Unit 3	27	9.57

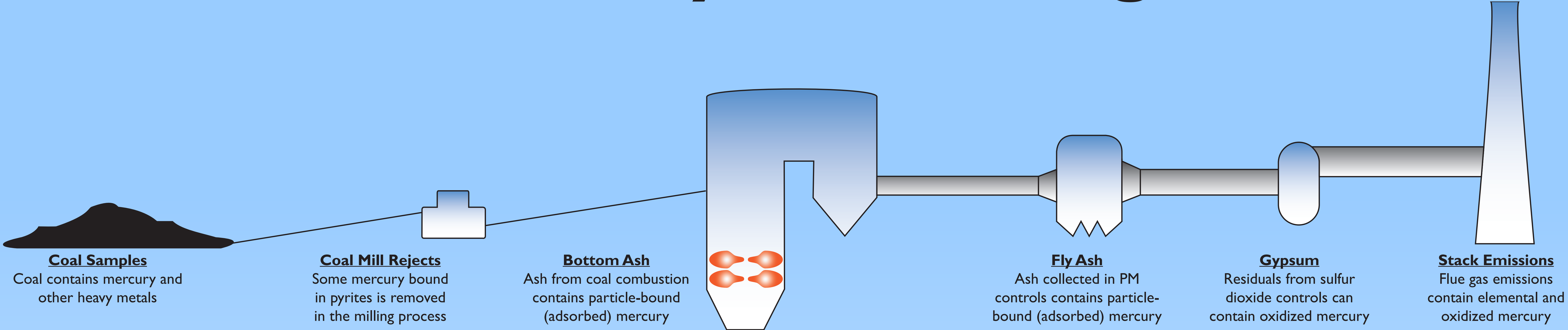
The toolkit includes necessary equipment, methodologies, procedures, and calculation tools

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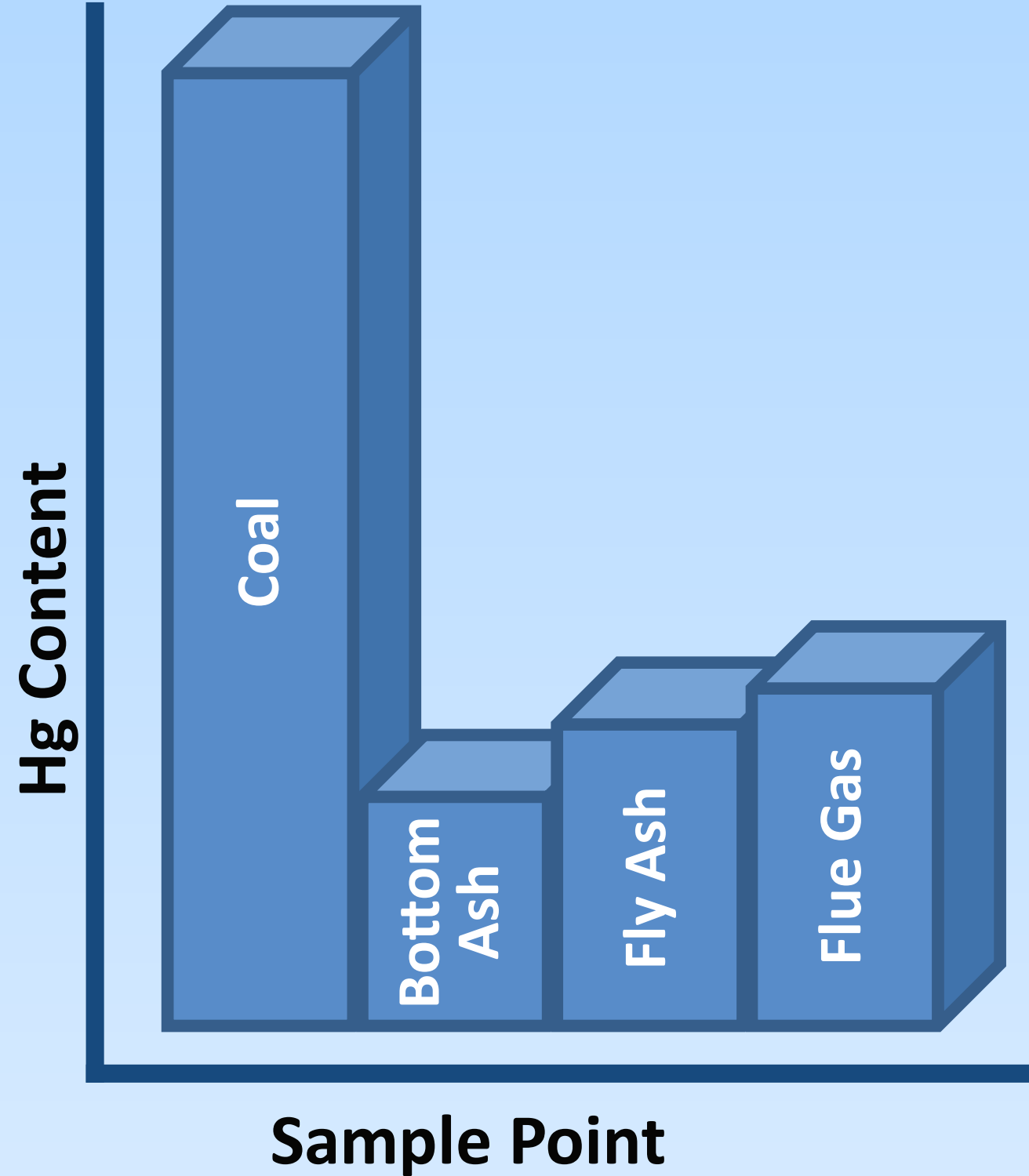
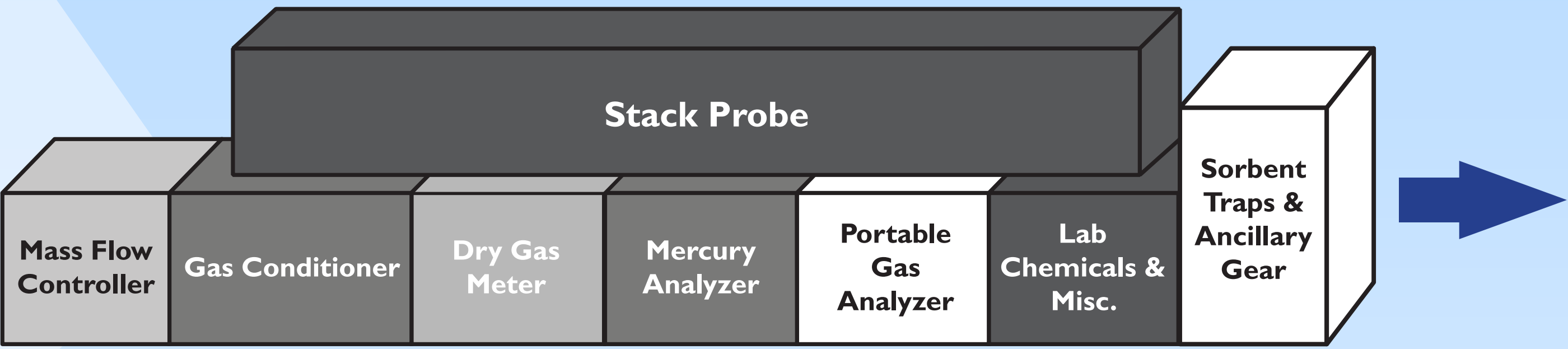


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**All samples can be collected and analyzed on-site**

- Stack gas sampling equipment
- Procedures and methodology
- Software
- Mercury analyzer
- Solid sample collection equipment



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