

RESOLVING METHOD DIFFERENCES FOR VOLATILE ORGANICS BY GC/MS BY BEST PRACTICES

Best Practices for Reporting and Data Qualifiers



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- ▶ Drinking Water: 524.2 Rev 4.1, 524.3, 524.4
- ▶ Waste Water: 624.1, 1624B
- ▶ RCRA, Superfund: 8260C

METHODS

- ▶ EPA 524 Methods
 - ▶ MRL
 - ▶ Significant Figures
 - ▶ Dilutions
 - ▶ Qualified Data

WHAT DO THE METHODS SAY?

- ▶ EPA 624.1, 1624B
 - ▶ Units
 - ▶ ML
 - ▶ Significant Figures
 - ▶ Blank Subtraction
 - ▶ Dilutions
 - ▶ Qualified Data

WHAT DO THE METHODS SAY?

- ▶ SW 846 8260C
 - ▶ DQOs
 - ▶ Units
 - ▶ Dilutions
 - ▶ Qualified Data

WHAT DO THE METHODS SAY?

- ▶ RCRA
- ▶ Superfund
- ▶ NPDES
- ▶ SDWA
 - ▶ Qualified Data
 - ▶ Reporting Limits

PROGRAM REQUIREMENTS

- ▶ QAPP
- ▶ SOW
- ▶ Permit
- ▶ Contract

CLIENT NEEDS

- ▶ Combine Where You Can
- ▶ Use the Most Stringent Requirements
- ▶ Know your samples

BEST PRACTICES

QUESTIONS????

