









Value of COD Measurement Principle

- Measures chemical reactivity of organics
- Benzene approximately 3x higher COD than glucose
- Can be lower, the same or higher than TOC
- Similar to other NOM tools, potential for:
 - Prediction of DBP_{fp} from source waters
 - Assist in biological oxidation processes
 - Optimize coagulation
 - Water quality monitoring in IPR and DPR applications











Why PeCOD now?

- Dichromate COD method has limitations that do not make it suitable for NOM detection, namely:
 - ⁷ 2-3 hour test result, too slow
 - " 10mg/L detection limit, much too high
 - "Hazardous chemicals, dichromate, mercury and concentrated acid
 - " Only a laboratory based test, cannot be made on-line

• Why PeCOD?

- 10 min or less test results: FAST
- 0.7mg/L detection limit: Excellent for NOM monitoring
- " Green Chemistry: Safe
- ⁷ Available in laboratory, portable and on-line models: everywhere it can be used
- ...and simple to use

