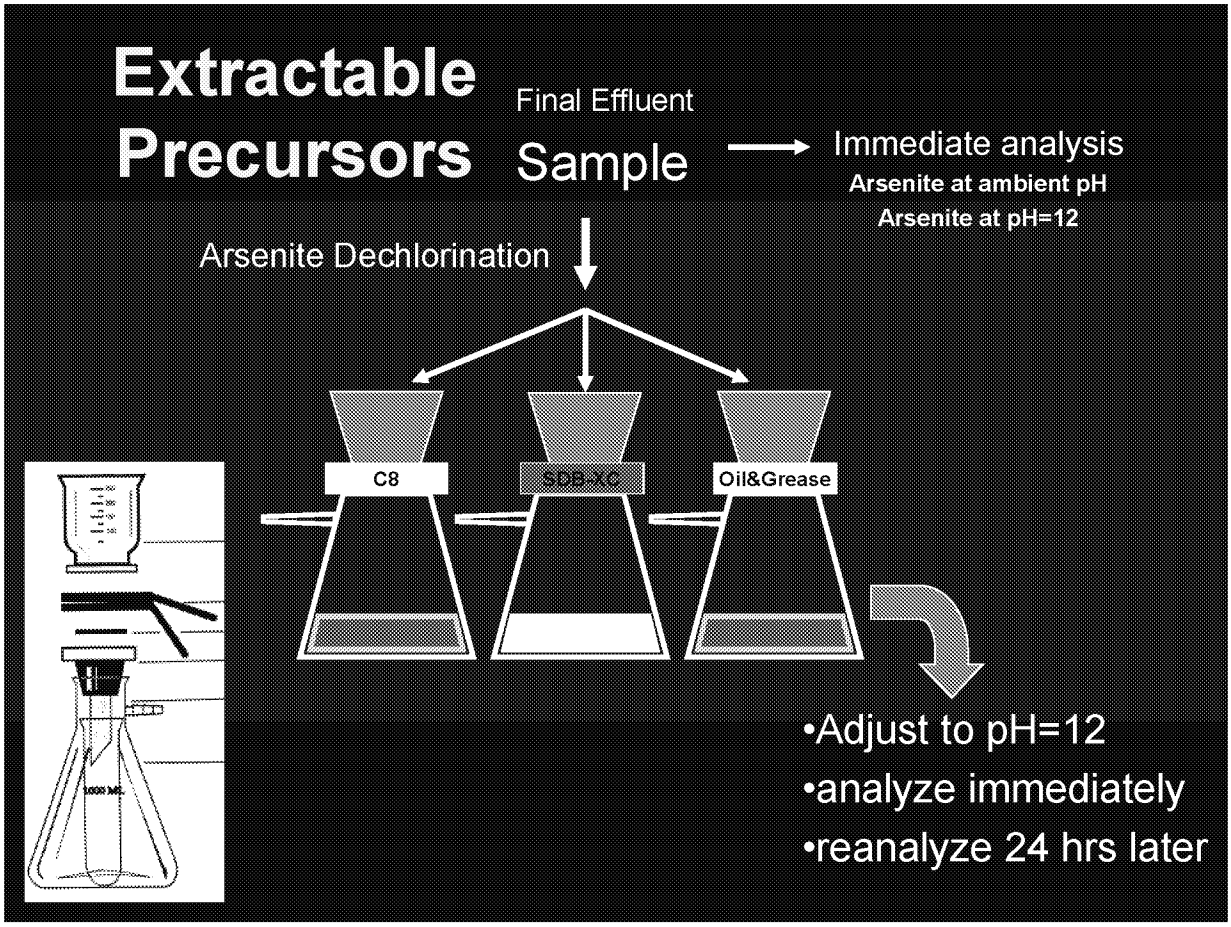
Precursor Study - *past*

- Precursors that have been tested
  - Solids, Polymer, Ascorbic acid, humid acids, Urea, and Hydantoin
- Experimental conditions
  - High dosage of target organics, at least 1 mM
  - In DI matrix, chlorine, nitrite/nitrate, chloramine were applied
  - In post ammonia Secondary, chlorine was applied
  - Dechlorinating agents and pH adjustment were applied
- Inconclusive at this time



6/25/2019

Los Angeles County Sanitation Districts

Problems

- Effluent concentrations exceed limits
- Effluent conc. exceeds influents
  - Effluent 5 – 20 µg/L
  - Influent < 5 µg/L
- Discharge limits approach MDLs