

# TCEQ Drinking Water Compliance Sampling

conducted by Antea® Group (Contractor)



# Sample Teams – Five (5) Total

## **Antea Group** (*main contractor*)

- Central Texas Region

## **Third Coast Environmental Services** (*subcontractor*)

- South/Southeast Region

## **Curro Environmental** (*subcontractor*)

- North/Northeast Region

## **Gerald Files** (*independent subcontractors*)

- Panhandle Region

## **ESSCO** (*subcontractor*)

- West Region



# Scheduling Requirements

- Five (5) business day notice to PWS
  - Reminder call prior to appointment (as courtesy and/or if requested)
- Qualified PWS representative accompaniment
- Agreed upon locations (monitoring plans are helpful!)
- Signed Sample Collection Analysis Report (SCAR)

# Sampling Protocol

- Sampling methods are outlined in the TCEQ Drinking Water Sampling Guide.
  - The guide incorporates sampling methods designated by the EPA.
- Sampling locations include:
  1. Source water—prior to treatment i.e. wells
  2. Entry Points—after all treatment, before distribution
  3. Distribution—within the water system service area



Example source water location: well head

# Parameters Collected

- Required five (5) minute flush time
  - Up to 30 minutes if collecting from a wellhead
- Chlorine Residual (test for total chlorine or free chlorine)
- Temperature
- pH
- GPS Coordinates
- Updated Addresses



# Sample Types

- Asbestos
- Disinfection Byproducts (DBP2)
  - Trihalomethanes (TTHM)
  - Haloacetic Acids (HAA5)
- Drinking Water Quality (DWQ)
- Beta Radiochemicals & Radiochemicals
- Cyanide
- Diquat
- Endothall
- Glyphosate
- EDB/DBCP (504)
- Metals
- Minerals
- Secondaries
- Nitrate (1040) & Nitrite (1041)
  - Combined NO<sub>3</sub>
- PCBs
- Synthetic Organics
  - Includes SOC5, EPA method 515.4, and EPA method 531.1
- Volatile Organics

# Shipping Requirements

- Samples must be shipped overnight (depending on hold times)
- Labs used are:
  - Department of State Health Services (DSHS) in Austin, TX
  - Lower Colorado River Authority (LCRA) in Austin, TX
  - Crisp Analytical Labs (CA Labs) in Carrollton, TX
- Most samples must arrive on ice at or below 4°C (not freezing)
- Samples must be shipped under Chain of Custody (COC) protocol
  - *COC must arrive with samples, and a custody seal must be placed on the outside of the cooler.*

# Rejected Samples

- Rejected samples are required to be recollected.
- Rejections can occur for various reasons including:
  - Missing data
  - COC errors
  - Preservation errors
  - Shipping errors
- Samplers should inform the PWS when a rejection occurs and follow the scheduling requirements to recollect the sample(s).
- PWS are not charged for rejected samples.



# Collected Data

- Collected data is submitted electronically to:
  - Labs → Daily (morning & afternoon)
  - TCEQ → Weekly (Monday morning)
- Data must match on all forms (SCAR, labs, and TCEQ) to be considered valid
- Missing data could result in rejected samples

# Questions/Comments?

## *Contact Information*

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