

TCEQ Analysis of TCEQ Collected Surface Water Quality Sampling Data 3/25/19 Update 4 (final lab results)

The Texas Commission on Environmental Quality (TCEQ) received final surface water quality data for 139 constituents at six (6) different sites. One sample was collected at each site on March 23, 2019 by the TCEQ's staff. The constituents consist of bacteria, inorganics, organics, nutrients, and oil and grease in water. The sampling sites were the following:

- HSC @ CM 10
- HSC @ Morgans Point
- Galveston Bay @ Sylvan Beach
- UGB @ 97GB0074
- GB East of CM74 GOS 063
- Seabrook CM2

This assessment is based on final results received from the laboratory. As additional water quality sampling is completed, the data will be assessed, and results made available.

The TCEQ used the Texas Water Quality Standards and the Texas Risk Reduction Program as references for determining the known health protective concentration levels (PCLs) in surface water. The TCEQ is using these PCLs to evaluate impacts to aquatic life and human health. No public drinking water system draws its source water from the Houston Ship Channel. This methodology was also used for previously reviewed data from samples collected by ITC and will be used to review samples from the TCEQ.

- 134 constituents were analyzed but were not detected (not detected above the method detection limit or quantitation limit);
- 5 constituents had results detected above the method detection limit or quantitation limit at HSC @ Morgans Point, Galveston Bay @ Sylvan Beach, and HSC @ CM10.
 - 4 of the 5 constituents were below their known protective concentration level;
 - Below is a table of 1 constituent that exceeded its known protective concentration level.

Table 1: HSC @ CM 10

Constituent	Maximum (most probable number/100 mL)	PCL (most probable number/100 mL)
Enterococci	14136	104