

TCEQ Analysis of TCEQ Collected Surface Water Quality Sampling Data Collected on March 27, 2019 (Preliminary Lab results)

The Texas Commission on Environmental Quality (TCEQ) received preliminary surface water quality data for 139 constituents at five (5) different sites. One sample was collected at each site on March 27, 2019 by the TCEQ. The constituents consist of organics and oil and grease in water. The sampling sites were the following:

- Bolivar Peninsula
- East Bay
- Redfish Island
- Smith Point
- Texas City Dike

This assessment is based on preliminary results received from the laboratory. These laboratory results are subject to change once the final report is issued. The TCEQ is providing the assessment of preliminary results in abundance of caution to make this information publicly available as quickly as possible. As sample results are received, or 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. PCLs are very conservative and below levels where we would expect any health impacts. 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.

Table 1: Assessment of Preliminary Laboratory Results

	Bolivar Peninsula	East Bay	Redfish Island	Smith Point	Texas City Dike
Number of Constituents	139	139	139	139	139
Number of constituents analyzed but not detected (not detected above the method detection limit or quantitation limit)	139	139	139	139	139
Number of constituents detected above the method detection limit or quantitation limit	0	0	0	0	0
Number of constituents detected but below their known PCLs	0	0	0	0	0
Number of constituents that exceeded their known PCLs	0	0	0	0	0
Number of constituents that are still pending further TCEQ evaluation	0	0	0	0	0