

TCEQ Analysis of TCEQ Collected Surface Water Quality Sampling Data Collected on March 29, 2019 (Preliminary Lab results)

The Texas Commission on Environmental Quality (TCEQ) received preliminary surface water quality data for up to 139 constituents at seventeen (17) different sites. One sample was collected at each site on March 29, 2019 by the TCEQ. The constituents consist of organics and oil and grease in water. The sampling sites were the following:

- On Bay at Sylvan Beach
- HSC at CM 120
- HSC at Morgan's Point
- GBay at GPS 063
- GBay at 97GB007
- GBay at Seabrook CM2
- Texas City Dike
- Redfish Island
- Smith Point
- East Bay
- Bolivar
- Sea Wall
- East Beach
- Aptel Beach
- Bolivar Ferry Area
- Boyt Road Site
- 29.469, - 94.527

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

	On Bay at Sylvan Beach	HSC at CM 120	HSC at Morgan's Point	GBay at GPS 063	GBay at 97GB007	GBay at Seabrook CM2
Number of Constituents	139	139	139	139	73	139
Number of constituents analyzed but not detected (not detected above the method detection limit or quantitation limit)	139	138	138	139	73	139
Number of constituents detected above the method detection limit or quantitation limit	0	1	1	0	0	0
Number of constituents detected but below their known PCLs	0	1	1	0	0	0
Number of constituents that exceeded their known PCLs	0	0	0	0	0	0
Number of constituents that are still pending further TCEQ evaluation	0	0	0	0	0	0

Table 1 continued: Assessment of Preliminary Laboratory Results

	Texas City Dike	Redfish Island	Smith Point	East Bay	Bolivar
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

Table 1 continued: Assessment of Preliminary Laboratory Results

	Seawall	East Beach	Aptel Beach	Bolivar Ferry Area	Boyt Road Site	29.496, -94.527
Number of Constituents	139	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	139
Number of constituents detected above the method detection limit or quantitation limit	0	0	0	0	0	0
Number of constituents detected but below their known PCLs	0	0	0	0	0	0
Number of constituents that exceeded their known PCLs	0	0	0	0	0	0
Number of constituents that are still pending further TCEQ evaluation	0	0	0	0	0	0