

## Daily Air Quality Report September 8, 2020

### Beaumont

Total Operational Near Real-Time Monitors: 2 for volatile organic compounds (VOCs); 4 for sulfur dioxide (SO<sub>2</sub>); 3 for particulate matter (PM<sub>2.5</sub>).

Air Quality Summary: Measured hourly VOC concentrations, including benzene and 1,3-butadiene, were generally low and in the typical range for the Beaumont area on September 8, 2020. All measured VOC concentrations remained far below levels of short-term health concern.

Hourly SO<sub>2</sub> concentrations measured in the Beaumont area generally remained low on September 8, 2020. Multiple 1-hour SO<sub>2</sub> concentrations measured at the Port Arthur West monitor were higher than average but the highest was still 7-times lower than the level of the federal SO<sub>2</sub> standard. All hourly SO<sub>2</sub> concentrations were below a level of health concern.

Hourly PM<sub>2.5</sub> concentrations measured in the Beaumont area on September 8, 2020 were generally within the range of typical concentrations for this area and were below concentrations of health concern.

### Houston

Total Operational Near Real-Time Monitors: 9 for volatile organic compounds (VOCs); 7 for sulfur dioxide (SO<sub>2</sub>); 7 for particulate matter (PM<sub>2.5</sub>).

Air Quality Summary: Measured hourly VOC concentrations, including benzene and 1,3-butadiene, were generally low and in the typical range for the Houston Ship Channel area on September 8, 2020. Concentrations of benzene at the Galena Park, Channelview, Clinton, and HRM #3 Haden Road monitors were somewhat higher than average for multiple hours, but even the highest concentrations were still more than 10-times lower than the health-based comparison level. Similarly, concentrations of 1,3-butadiene at the Galena Park and Milby Park monitors were somewhat higher than average for several hours but were still more than 250-times lower than the health-based comparison level. All measured VOC concentrations remained far below levels of short-term health concern.

Hourly SO<sub>2</sub> concentrations measured in the Houston Ship Channel area generally remained low on September 8, 2020. The peak one-hour concentration of SO<sub>2</sub> measured at the Texas City Ball Park monitor was slightly higher than average, but was still 35-times lower than the level of the federal SO<sub>2</sub> standard. All hourly SO<sub>2</sub> concentrations were below a level of health concern.

Hourly PM<sub>2.5</sub> concentrations measured in the Houston Ship Channel area on September 8, 2020 were generally within the range of typical concentrations for this area and were below concentrations of health concern.