

Daily Air Quality Report September 3, 2020

Beaumont

Total Operational Near Real-Time Monitors: 2 for volatile organic compounds (VOCs); 3 for sulfur dioxide (SO₂); 3 for particulate matter (PM_{2.5}).

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 3, 2020. All measured VOC concentrations remained far below levels of short-term health concern.

Hourly SO₂ concentrations measured in the Beaumont area remained low on September 3, 2020. The peak 1-hour SO₂ concentration measured at the Port Arthur West monitor was higher than average but was still more than 4-times lower than the level of the federal SO₂ standard. All hourly SO₂ concentrations were below a level of health concern.

Hourly PM_{2.5} concentrations measured in the Beaumont area on September 3, 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 (SO₂); 7 for particulate matter (PM_{2.5}).

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 3, 2020. Concentrations of benzene at the Galena Park, Channelview, and Milby Park monitors were slightly higher than average for several hours, but even the highest concentrations were still more than 50-times lower than the health-based comparison level. Similarly, concentrations of 1,3-butadiene at the Galena Park, HRM #3 Haden Road, and Milby Park monitors were slightly higher than average for one hour but were still more than 1,000-times lower than the health-based comparison level. All measured VOC concentrations remained far below levels of short-term health concern.

Hourly SO₂ concentrations measured in the Houston Ship Channel area remained low on September 3, 2020. The peak 1-hour SO₂ concentration measured at the Park Place monitor was slightly higher than average but was still 30-times lower than the level of the federal SO₂ standard. All hourly SO₂ concentrations were well below a level of health concern.

Hourly PM_{2.5} concentrations measured in the Houston Ship Channel area on September 3, 2020 were generally within the range of typical concentrations for this area and were below concentrations of health concern.