

Daily Air Quality Report September 11 - 13, 2020

Beaumont

Total Operational Near Real-Time Monitors: 2 for volatile organic compounds (VOCs); 4 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 11 - 12, 2020. VOCs measured at the Beaumont Downtown monitor were higher than average for several hours on September 13, but all measured VOC concentrations remained far below levels of short-term health concern. A single 1-hour concentration of benzene measured at the Beaumont Downtown monitor on September 13 was slightly higher than average but was still more than 25-times lower than the health-based comparison level.

Hourly SO₂ concentrations measured in the Beaumont area generally remained low on September 11 - 13, 2020. Several 1-hour SO₂ concentrations measured at the Beaumont Downtown monitor on September 11 and at the Port Arthur West monitor on September 12 were higher than average but the highest was still more than 15-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 11 - 13, 2020 were generally within the range of typical concentrations for this area and were below a level of health concern. There was a single hourly PM_{2.5} concentration measured at the Port Arthur Memorial School monitor on September 12 that was higher than normal but the concentrations in the next hour dropped to within the normal range.