Daily Air Quality Report August 30, 2020

Beaumont

Total Operational Near Real-Time Monitors: 1 for volatile organic compounds (VOCs); 1 for sulfur dioxide (SO_2); 1 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 August 30, 2020. All measured VOC concentrations remained far below levels of short-term health concern.

Hourly SO_2 concentrations measured in the Beaumont area remained low on August 30, 2020. All hourly SO_2 concentrations were well below a level of health concern.

Hourly $PM_{2.5}$ concentrations measured in the Beaumont area on August 30, 2020 were within the range of typical concentrations for this area and were below concentrations of health concern.

Houston

Total Operational Near Real-Time Monitors: 8 for volatile organic compounds (VOCs); 5 for sulfur dioxide (SO_2); 6 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 August 30, 2020. Concentrations of benzene at the Galena Park and Lynchburg Ferry monitors were slightly higher than average for several hours, but even the highest concentrations were still more than 25-times lower than the health-based comparison level. Similarly, concentrations of 1,3-butadiene at the Galena Park and Milby Park monitors were slightly 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_2 concentrations measured in the Houston Ship Channel area remained low on August 30, 2020. The peak 1-hour SO_2 concentration measured at the Park Place monitor was somewhat higher than usual but was still 30-times lower than the level of the federal SO_2 standard. All hourly SO_2 concentrations were well below a level of health concern.

Hourly $PM_{2.5}$ concentrations measured in the Houston Ship Channel area on August 30, 2020 were within the range of typical concentrations for this area and were below concentrations of health concern.