



Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000

Governor Asa Hutchinson

Nathaniel Smith, MD, MPH, Director and State Health Officer

December 20, 2018

The Arkansas Department of Health (ADH) received the Trafalgar Road Fire Air Sampling Data Results Summary from the Environmental Protection Agency (EPA) on December 19, 2018. It included the verified PM_{2.5} data results for December 10-13, 2018. These results did not change from the preliminary data that was reviewed and presented in the December 12, 2018 Health Alert.

ADH received the validated Volatile Organic Compound (VOC) air data from EPA on December 20, 2018. The on-site benzene air sample taken on December 10-11, 2018 was 22 parts per billion (ppb). This level exceeded the acute screening level of 9.1 ppb but was lower than the benzene sample evaluated in the December 12, 2018 Health Consultation of 32 ppb. The other two days of on-site samples were below the acute screening level.

The off-site benzene samples taken on December 10-13, 2018 ranged from 0.85 to 3 ppb. These results are consistent with the background levels that would be expected in rural subdivisions, as identified in the December 12, 2018 Health Consultation that stated “Ambient air levels for benzene have been identified for remote/rural areas in the range of 0.16 parts per billion (ppb) to 3.5 ppb and suburban residential-remote from traffic in the range of 1.8 ppb to 4.5 ppb.”

Therefore, these additional VOC results would be consistent with the December 12, 2018 Health Consultation conclusions.

Chris C. Hemann, M.S.
Environmental Epidemiologist
ATSDR Health Assessor
Environmental Epidemiology
Arkansas Department of Health