Supplemental Material

Title

Exploring Air Quality Near Natural Gas Operations

Authors

Theo Colborn, Kim Schultz, Lucille Herrick, Carol Kwiatkowski
1,2,4-Trimethylbenzene


Myhre O, Vestad TA, Sagstuen E, et al. 2000. The effects of aliphatic (n-nonane), naphthenic (1,2, 4-trimethylcyclohexane), and aromatic (1,2,4-trimethylbenzene) hydrocarbons on respiratory burst in human neutrophil granulocytes. Toxicol Appl Pharmacol 167(3):222-230.

**2-Butanone (MEK)**


**2-Methylpentane**


**3-Methylpentane**


**Acenaphthylene**


**Acetaldehyde**


**Acetone**


**Benzaldehyde**


**Benzene**


Benzo(a)anthracene


**Benzo(a)pyrene**


**Benzo(b)fluoranthene**


**Benzo(g,h,i)perylene**


**Benzo(k)fluoranthene**


**Butyraldehyde**


**Chrysene**


**Crotonaldehyde**


Dicker E, Cederbaum AI. 1986. Inhibition of CO2 production from aminopyrine or methanol by cyanamide or crotonaldehyde and the role of mitochondrial aldehyde dehydrogenase in formaldehyde oxidation. Biochim Biophys Acta 883(1):91-97.


Cyclohexane


Cyclopentane


Dibenzo(a,h)anthracene


Ethanol


Ethylene


Fluorene


Schirmer K, Dixon DG, Greenberg BM, et al. 1998. Ability of 16 priority PAHs to be directly cytotoxic to a cell line from the rainbow trout gill. Toxicology 127(1-3):129-141.

Formaldehyde


**Hexaldehyde**


**Indeno(1,2,3-cd)pyrene**


Isoprene


Shelby MD. 1990. Results of NTP-sponsored mouse cytogenetic studies on 1,3-butadiene, isoprene, and chloroprene. Environ Health Perspect 86:71-73.


**Methacrolein**


**Methylcyclopentane**


**Methylene chloride**


**m-Xylene**


**Naphthalene**


**n-Butane**


n-Decane


n-Heptane


n-Hexane


**n-Nonane**


Khan S, Mukhtar H, Pandya KP. 1980. n-Octane and n-nonane induced alterations in xenobiotic metabolising enzyme activities and lipid peroxidation of rat liver. Toxicology 16(3):239-245.


n-Octane


Phenanthrene


**Propionaldehyde**


**Propylene**

NTP. 1985 Nov. NTP Toxicology and carcinogenesis studies of propylene (CAS No. 115-07-1) in F344/N rats and B6C3F1 mice (inhalation studies). Natl Toxicol Program Tech Rep Ser 272:1-146.

p-Xylene


**Tetrahydrofuran**


**Toluene**


