

The following 53 “Compounds of Potential Concern” are from Shell Chemical Appalachia’s Emission Estimates for the Inhalation Risk Assessment for Petrochemicals Complex in Beaver County, received by the Pa DEP on Jan. 28, 2015.

Table 1. Identified Compounds of Potential Concern<sup>1</sup>

1,3-Butadiene	Dichlorobenzene
2-Methylnaphthalene	Ethylbenzene
3-Methylchloranthrene	Ethylene Oxide
7,12-Dimethylbenz(a)anthracene	Fluoranthene
Acenaphthene	Fluorene
Acenaphthylene	Formaldehyde
Acetaldehyde	Hexane
Acrolein	Indeno(1,2,3-cd)pyrene
Anthracene	Lead
Arsenic	Manganese
Barium	Mercury
Benzene	Methanol
Benzo(a)anthracene	Molybdenum
Benzo(a)pyrene	Naphthalene
Benzo(b)fluoranthene	Nickel
Benzo(g,h,i)perylene	Pentane
Benzo(g,h,i)perylene	Phenanthrene
Benzo(k)fluoranthene	Phenol
Beryllium	Propane
Biphenyl	Propylene Oxide
Cadmium	Pyrene
Chromium VI	Selenium
Chromium III <sup>2</sup>	Styrene
Chrysene	Toluene
Cobalt	Vanadium
Copper	Xylenes
Dibenzo(a,h)anthracene	

<sup>1</sup>Compounds of Potential Concern were identified from EPA’s Compilation of AP-42 Emission Factors for combustion of natural gas and from process knowledge.

<sup>2</sup>For purposes of this analysis, all chromium emissions were conservatively assumed to be in the form of Chromium VI.