Determination of
Benchmark Ambient Concentration (BAC)

Category _____
No. _____

TAC _____ **CAS No.** _____-_____-____

_____ **Mol. Wt.** _____

BAC_C = _____ μg/m³ Annual **BAC_{NC} = _____ μg/m³ _____ Averaging Period**

De Minimis _____ lb/hour; _____ lb/_____; _____ lb/year

I. Carcinogen Risk - BAC_C [Annual Averaging Period] Carcinogen . . . . ☐ yes ☐ no

1. ☐ IRIS ☐ no 10^{-6} risk = _____ μg/m³ URE _____ $(\mu g/m^3)^{-1}$ ___-___-___
2. ☐ Cal ☐ no 10^{-6} risk = _____ μg/m³ IUR _____ $(\mu g/m^3)^{-1}$ ___-___-___
3. ☐ MI ☐ no 10^{-6} risk = _____ μg/m³ ___-___-___
4. ☐ NTP Part A ☐ yes ☐ no Part B ☐ yes ☐ no
5. ☐ IARC Group 1 ☐ yes ☐ no Group 2A ☐ yes ☐ no Group 2B ☐ yes☐ no
6. ☐ ATSDR ☐ no
7. ☐ Sec. 3.3.4 method _____ ☐ no 10^{-6} risk = _____ μg/m³ ___-___-___
8. ☐ Default 0.0004 μg/m³

II. Chronic Noncancer Risk - BAC_{NC} [Averaging Period as Specified]

1. ☐ IRIS ☐ no RfC = _____ μg/m³ Annual ___-___-___
2. ☐ Cal ☐ no REL = _____ μg/m³ Annual ___-___-___
3. ☐ IRIS[1] ☐ no RfD = _____ μg/kg/day ⊗ 70/20 = _____μg/m³ Annual ___-___-___
4. ☐ MI ☐ no ITSL = _____ μg/m³ _____ Averaging Period ___-___-___
5. ☐ TLV ☐ NIOSH _____ μg/m³ ⊗ 0.01 = _____ μg/m³ 8-Hr ___-___-___
6. ☐ RTECS[1] _____ _____ = _____ μg/m³ Annual
7. ☐ Default 0.04 μg/m³ Annual

III. De Minimis

1. ☐ Carcinogen (BAC_C) _____ μg/m³ ⊗ 0.54 = _____ lb/hour
   (BAC_C) _____ μg/m³ ⊗ 480 = _____ lb/year
2. ☐ Chronic Noncancer Risk _____ Averaging Period
   (BAC_{NC}) _____ μg/m³ ⊗ _____ = _____ lb/hour
   (BAC_{NC}) _____ μg/m³ ⊗ _____ = _____ lb/_____
   _____ lb/_____ ⊗ _____ _____ = _____ lb/year

[1] To use data based upon an oral route of exposure, the District must make an afirmative determination that data are not available to indicate that oral-route to inhalation-route extrapolation is inappropriate.

Prepared by _____ ___-___-___