**Table U-43**
**Comparison of Background Risk Estimates for Wildlife using ERA and BTAG TRVs**
**Based on Upper Tolerance Limit Concentrations**

| | Terrestrial Wildlife | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Terrestrial Invertivorous Mammal | | Terrestrial Herbivorous Mammal | | Terrestrial Carnivorous Mammal | | Terrestrial Invertivorous Bird | | Terrestrial Herbivorous Bird | | Terrestrial Carnivorous Bird | |
| | Ornate Shrew | | California Vole | | Striped Skunk | | Western Meadowlark | | Western Meadowlark | | American Kestrel | |
| **Sitewide CPEC** | Low HQ | High HQ | Low HQ | High HQ | Low HQ | High HQ | Low HQ | High HQ | Low HQ | High HQ | Low HQ | High HQ |
| **Inorganics** | | | | | | | | | | | | |
| **Cadmium** | | | | | | | | | | | | |
| ERA TRVs | 0.05 | 0.5 | 0.02 | 0.2 | 0.004 | 0.04 | 0.08 | 0.3 | 0.1 | 0.4 | 0.02 | 0.09 |
| BTAG TRVs | 0.2 | **7** | 0.07 | **3** | 0.01 | 0.5 | 0.05 | **6** | 0.06 | **7** | 0.01 | **2** |
| **Copper** | | | | | | | | | | | | |
| ERA TRVs | 0.8 | 1 | 0.1 | 0.2 | 0.08 | 0.1 | 0.7 | **2** | 0.3 | 0.8 | 0.3 | 1 |
| BTAG TRVs | 0.01 | **3** | 0.002 | 0.4 | 0.001 | 0.3 | 0.2 | **4** | 0.06 | 1 | 0.08 | **2** |
| **Lead** | | | | | | | | | | | | |
| ERA TRVs | 0.06 | 0.1 | 0.007 | 0.01 | 0.006 | 0.01 | 0.1 | 0.3 | 0.1 | 0.3 | 0.03 | 0.07 |
| BTAG TRVs | 0.002 | 0.5 | 0.0002 | 0.06 | 0.0002 | 0.05 | 0.05 | **33** | 0.05 | **31** | 0.01 | **8** |

CPEC = Constituent of Potential Ecological Concern
HQ = Hazard Quotient (unitless)
HQ = Sum of Intakes (mg/kg-d) / Toxicity Reference Value (mg/kg-d)
Low HQ = Hazard Quotient based on LOAEL-based toxicity reference value.
High HQ = Hazard Quotient based on NOAEL-based toxicity reference value.
TRV = Toxicity Reference Value
ERA = Baseline Ecological Risk Assessment
BTAG = USEPA Region 9 Biological Technical Assistance Group Recommended TRVs (USEPA, 2002).
An HQ value of 0.0 indicates sum of intakes = 0.0.

**HQ > 1**