**Table D8.53. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 21**

| Receptor | Total ELCR | COCs | % Total ELCR | Routes of Exposure | % Total ELCR | Total HI | COCs | % Total HI | Routes of Exposure | % Total HI |
|---|---|---|---|---|---|---|---|---|---|---|
| Current Industrial Worker (surface soil) | **<1.0E-06** | *No COCs | | Ingestion<br>Dermal<br>Inhalation<br>External exposure | | **<1** | *No COCs | | Ingestion<br>Dermal<br>Inhalation | |
| Future Industrial Worker (surface soil) | **<1.0E-06** | *No COCs | | Ingestion<br>Dermal<br>Inhalation<br>External exposure | | **<1** | *No COCs | | Ingestion<br>Dermal<br>Inhalation | |
| Outdoor Worker (surface soil) | **<1.0E-06** | *No COCs | | Ingestion<br>Dermal<br>Inhalation<br>External exposure | | **<1** | *No COCs | | Ingestion<br>Dermal<br>Inhalation | |
| Outdoor Worker (surface and subsurface soil) | **1.7E-05** | Arsenic | 98% | Ingestion<br>Dermal<br>Inhalation<br>External exposure | 82%<br>18%<br>0%<br>0% | **2.7** | Arsenic<br>Cobalt<br>Manganese<br>Molybdenum<br>Nickel<br>Vanadium | 4%<br>9%<br>44%<br>16%<br>4%<br>22% | Ingestion<br>Dermal<br>Inhalation | 30%<br>69%<br>0% |
| Excavation Worker (surface and subsurface soil) | **3.5E-06** | Arsenic | 99% | Ingestion<br>Dermal<br>Inhalation<br>External exposure | 82%<br>18%<br>0%<br>0% | **2.7** | Arsenic<br>Cobalt<br>Manganese<br>Molybdenum<br>Nickel<br>Vanadium | 4%<br>9%<br>44%<br>16%<br>4%<br>22% | Ingestion<br>Dermal<br>Inhalation | 30%<br>69%<br>0% |
| Future Adult Resident (surface soil) | **<1.0E-06** | *No COCs | | Ingestion<br>Dermal<br>Inhalation<br>External exposure | | **2.4** | Cobalt<br>Nickel<br>Vanadium | 12%<br>14%<br>72% | Ingestion<br>Dermal<br>Inhalation | 4%<br>95%<br>0% |
| Future Child Resident (surface soil) | See Future Adult Resident | | | | | **6.6** | Barium<br>Cobalt<br>Nickel<br>Vanadium | 2%<br>19%<br>13%<br>66% | Ingestion<br>Dermal<br>Inhalation | 17%<br>83%<br>0% |

**Table D8.53. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 21 (Continued)**

| Receptor | Total ELCR | COCs | % Total ELCR | Routes of Exposure | % Total ELCR | Total HI | COCs | % Total HI | Routes of Exposure | % Total HI |
|---|---|---|---|---|---|---|---|---|---|---|
| Future Adult Recreational User (surface soil) | **<1.0E-06** | *No COCs | | Ingestion<br>Dermal<br>Inhalation<br>External exposure | | **<1** | *No COCs | | Ingestion<br>Dermal<br>Inhalation | |
| Future Teen Recreational User (surface soil) | See Future Adult Recreational User | | | | | **2.2** | Cobalt<br>Nickel<br>Vanadium | 11%<br>14%<br>72% | Ingestion<br>Dermal<br>Inhalation | 4%<br>96%<br>0% |
| Future Child Recreational User (surface soil) | See Future Adult Recreational User | | | | | **2.6** | Cobalt<br>Nickel<br>Vanadium | 19%<br>13%<br>66% | Ingestion<br>Dermal<br>Inhalation | 17%<br>83%<br>0% |

Total ELCR and total HI represent total risk or hazard summed across all routes of exposure for all COPCs.

*No COCs = There are no COCs.

ELCR for Future Adult Resident and Future Child Resident are the combined lifetime scenario.

ELCR for Future Adult Recreational User, Future Teen Recreational User and Future Child Recreational User are the combined lifetime scenario.