Table D8.39. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 7

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 Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Industrial Worker (surface soil)	**1.3E-06**	Uranium-238	92%	Ingestion Dermal Inhalation External exposure	10% 7% 0% 82%	**3.3**	Manganese Vanadium	74% 23%	Ingestion Dermal Inhalation	2% 98% 0%
Outdoor Worker (surface soil)	**1.9E-06**	Uranium-238	92%	Ingestion Dermal Inhalation External exposure	52% 4% 0% 44%	**2.8**	Iron Manganese Vanadium	6% 72% 22%	Ingestion Dermal Inhalation	16% 84% 0%
Outdoor Worker (surface and subsurface soil)	**3.6E-05**	Arsenic Uranium-238	95% 5%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**4.3**	Arsenic Cobalt Iron Manganese Vanadium	5% 5% 4% 69% 15%	Ingestion Dermal Inhalation	21% 79% 0%
Excavation Worker (surface and subsurface soil)	**7.1E-06**	Arsenic	95%	Ingestion Dermal Inhalation External exposure	81% 17% 0% 2%	**4.3**	Arsenic Cobalt Iron Manganese Vanadium	5% 5% 4% 69% 15%	Ingestion Dermal Inhalation	21% 79% 0%
Future Adult Resident (surface soil)	**4.5E-06**	Uranium-238	91%	Ingestion Dermal Inhalation External exposure	12% 7% 0% 80%	**8.0**	Iron Manganese Vanadium	3% 74% 23%	Ingestion Dermal Inhalation	2% 97% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**20.5**	Iron Manganese Vanadium	4% 73% 23%	Ingestion Dermal Inhalation	9% 91% 0%

Table D8.39. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 7 (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 Dermal Inhalation External exposure		**2.4**	Manganese Vanadium	74% 23%	Ingestion Dermal Inhalation	2% 98% 0%
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**7.4**	Iron Manganese Vanadium	2% 74% 23%	Ingestion Dermal Inhalation	2% 98% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**8.2**	Iron Manganese Vanadium	4% 73% 23%	Ingestion Dermal Inhalation	9% 91% 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.