Table D8.38. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 6

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)	**2.6E-06**	Uranium-238	86%	Ingestion Dermal Inhalation External exposure	10% 13% 0% 77%	**1.1**	Molybdenum Nickel Vanadium	20% 13% 68%	Ingestion Dermal Inhalation	6% 94% 0%
Outdoor Worker (surface soil)	**3.6E-06**	Uranium-238	86%	Ingestion Dermal Inhalation External exposure	52% 7% 0% 41%	**1.2**	Molybdenum Nickel Vanadium	39% 10% 52%	Ingestion Dermal Inhalation	36% 64% 0%
Outdoor Worker (surface and subsurface soil)	**2.3E-05**	Arsenic Uranium-238	85% 13%	Ingestion Dermal Inhalation External exposure	78% 16% 0% 6%	**4.3**	Arsenic Iron Manganese Molybdenum Nickel Vanadium	3% 4% 65% 11% 3% 14%	Ingestion Dermal Inhalation	24% 76% 0%
Excavation Worker (surface and subsurface soil)	**4.7E-06**	Arsenic	85%	Ingestion Dermal Inhalation External exposure	78% 16% 0% 6%	**4.3**	Arsenic Iron Manganese Molybdenum Nickel Vanadium	3% 4% 65% 11% 3% 14%	Ingestion Dermal Inhalation	24% 76% 0%
Future Adult Resident (surface soil)	**8.7E-06**	PAH, Total Uranium-238	16% 84%	Ingestion Dermal Inhalation External exposure	13% 13% 0% 74%	**2.7**	Molybdenum Nickel Vanadium	20% 12% 67%	Ingestion Dermal Inhalation	6% 94% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**7.9**	Molybdenum Nickel Vanadium	31% 11% 58%	Ingestion Dermal Inhalation	23% 77% 0%

Table D8.38. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 6 (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)	**1.7E-06**	Uranium-238	63%	Ingestion	25%	**<1**	*No COCs		Ingestion	
				Dermal	29%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	46%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.5**	Molybdenum	19%	Ingestion	5%
							Nickel	13%	Dermal	95%
							Vanadium	68%	Inhalation	0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.1**	Molybdenum	31%	Ingestion	23%
							Nickel	11%	Dermal	77%
							Vanadium	58%	Inhalation	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.