Table D8.49. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 17

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)	**2.2E-06**	Uranium-238	69%	Ingestion Dermal Inhalation External exposure	10% 28% 0% 62%	**1.0**	Molybdenum Vanadium	20% 72%	Ingestion Dermal Inhalation	7% 93% 0%
Outdoor Worker (surface soil)	**3.0E-06**	Uranium-238	69%	Ingestion Dermal Inhalation External exposure	52% 15% 0% 33%	**1.2**	Iron Molybdenum Vanadium	15% 35% 50%	Ingestion Dermal Inhalation	43% 57% 0%
Outdoor Worker (surface and subsurface soil)	**2.3E-05**	Arsenic PAH, Total Uranium-238	81% 10% 9%	Ingestion Dermal Inhalation External exposure	76% 19% 0% 4%	**2.2**	Arsenic Iron Manganese Molybdenum Vanadium	5% 8% 40% 19% 28%	Ingestion Dermal Inhalation	33% 67% 0%
Excavation Worker (surface and subsurface soil)	**4.7E-06**	Arsenic	81%	Ingestion Dermal Inhalation External exposure	76% 19% 0% 4%	**2.2**	Arsenic Iron Manganese Molybdenum Vanadium	5% 8% 40% 19% 28%	Ingestion Dermal Inhalation	33% 67% 0%
Future Adult Resident (surface soil)	**7.6E-06**	PAH, Total Uranium-238	34% 65%	Ingestion Dermal Inhalation External exposure	15% 26% 0% 58%	**2.5**	Iron Molybdenum Vanadium	8% 20% 72%	Ingestion Dermal Inhalation	8% 92% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**7.6**	Iron Molybdenum Vanadium	12% 29% 59%	Ingestion Dermal Inhalation	29% 71% 0%

Table D8.49. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 17 (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)	**2.0E-06**	PAH, Total	61%	Ingestion Dermal Inhalation External exposure	24% 48% 0% 29%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.3**	Iron Molybdenum Vanadium	8% 19% 73%	Ingestion Dermal Inhalation	7% 93% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.0**	Iron Molybdenum Vanadium	12% 29% 59%	Ingestion Dermal Inhalation	29% 71% 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.