Table D8.48. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 16

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)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**<1**	*No COCs		Ingestion Dermal Inhalation	
Outdoor Worker (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**1.2**	Iron Molybdenum Vanadium	15% 34% 51%	Ingestion Dermal Inhalation	42% 58% 0%
Outdoor Worker (surface and subsurface soil)	**1.7E-05**	Arsenic	98%	Ingestion Dermal Inhalation External exposure	81% 19% 0% 0%	**3.5**	Arsenic Iron Manganese Molybdenum Silver Vanadium	3% 5% 54% 13% 7% 17%	Ingestion Dermal Inhalation	25% 74% 0%
Excavation Worker (surface and subsurface soil)	**3.3E-06**	Arsenic	98%	Ingestion Dermal Inhalation External exposure	81% 19% 0% 0%	**3.5**	Arsenic Iron Manganese Molybdenum Silver Vanadium	3% 5% 54% 13% 7% 17%	Ingestion Dermal Inhalation	25% 74% 0%
Future Adult Resident (surface soil)	**<1.0E-06**	*No COCs		Ingestion Dermal Inhalation External exposure		**2.5**	Iron Molybdenum Vanadium	8% 19% 73%	Ingestion Dermal Inhalation	8% 92% 0%
Future Child Resident (surface soil)	See Future Adult Resident					**7.4**	Iron Molybdenum Vanadium	12% 28% 60%	Ingestion Dermal Inhalation	28% 72% 0%

Table D8.48. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 16 (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)	**4.1E-06**	Cesium-137 Uranium-238	55% 39%	Ingestion Dermal Inhalation External exposure	12% 5% 0% 83%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.2**	Iron Molybdenum Vanadium	8% 18% 74%	Ingestion Dermal Inhalation	7% 93% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.0**	Iron Molybdenum Vanadium	12% 28% 60%	Ingestion Dermal Inhalation	28% 72% 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.