Table D8.34. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 2

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)	**2.0E-06**	Arsenic	91%	Ingestion	31%	**<1**	*No COCs		Ingestion	
				Dermal	63%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	6%					
Future Industrial Worker (surface soil)	**3.5E-05**	Arsenic	91%	Ingestion	31%	**1.2**	Arsenic	17%	Ingestion	9%
		Uranium-238	7%	Dermal	63%		Molybdenum	12%	Dermal	91%
				Inhalation	0%		Nickel	9%	Inhalation	0%
				External exposure	6%		Vanadium	62%		
Outdoor Worker (surface soil)	**9.5E-05**	Arsenic	96%	Ingestion	81%	**1.6**	Arsenic	37%	Ingestion	49%
		Uranium-238	3%	Dermal	18%		Molybdenum	19%	Dermal	50%
				Inhalation	0%		Vanadium	39%	Inhalation	0%
				External exposure	2%					
Outdoor Worker (surface and subsurface soil)	**9.4E-05**	Arsenic	97%	Ingestion	81%	**2.6**	Arsenic	22%	Ingestion	38%
		Uranium-238	3%	Dermal	18%		Iron	6%	Dermal	62%
				Inhalation	0%		Manganese	34%	Inhalation	0%
				External exposure	1%		Molybdenum	11%		
							Nickel	4%		
							Vanadium	23%		
Excavation Worker (surface and subsurface soil)	**1.9E-05**	Arsenic	97%	Ingestion	81%	**2.6**	Arsenic	22%	Ingestion	38%
				Dermal	18%		Iron	6%	Dermal	62%
				Inhalation	0%		Manganese	34%	Inhalation	0%
				External exposure	1%		Molybdenum	11%		
							Nickel	4%		
							Vanadium	23%		
Future Adult Resident (surface soil)	**1.8E-04**	Arsenic	94%	Ingestion	55%	**2.9**	Arsenic	18%	Ingestion	10%
		PAH, Total	1%	Dermal	41%		Molybdenum	12%	Dermal	89%
		Uranium-238	4%	Inhalation	0%		Nickel	9%	Inhalation	0%
				External exposure	4%		Vanadium	61%		
Future Child Resident (surface soil)	See Future Adult Resident					**9.4**	Arsenic	29%	Ingestion	34%
							Molybdenum	16%	Dermal	65%
							Nickel	7%	Inhalation	0%
							Vanadium	47%		

Table D8.34. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 2 (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)	**7.7E-05**	Arsenic	97%	Ingestion	54%	**<1**	*No COCs		Ingestion	
		PAH, Total	2%	Dermal	45%				Dermal	
		Uranium-238	2%	Inhalation	0%				Inhalation	
				External exposure	1%					
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.6**	Arsenic	17%	Ingestion	9%
							Molybdenum	12%	Dermal	91%
							Nickel	9%	Inhalation	0%
							Vanadium	62%		
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**3.7**	Arsenic	29%	Ingestion	34%
							Molybdenum	16%	Dermal	65%
							Nickel	7%	Inhalation	0%
							Vanadium	47%		

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.