Table D8.41. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 9

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)	**3.2E-06**	PAH, Total	98%	Ingestion	10%	**<1**	*No COCs		Ingestion	
				Dermal	88%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	2%					
Future Industrial Worker (surface soil)	**5.7E-05**	PAH, Total	98%	Ingestion	10%	**1.1**	Nickel	15%	Ingestion	3%
		Uranium-238	2%	Dermal	88%		Vanadium	78%	Dermal	97%
				Inhalation	0%				Inhalation	0%
				External exposure	2%					
Outdoor Worker (surface soil)	**7.9E-05**	PAH, Total	98%	Ingestion	52%	**<1**	*No COCs		Ingestion	
		Uranium-238	2%	Dermal	47%				Dermal	
				Inhalation	0%				Inhalation	
				External exposure	1%					
Outdoor Worker (surface and subsurface soil)	**9.6E-05**	Arsenic	17%	Ingestion	57%	**2.5**	Arsenic	4%	Ingestion	30%
		PAH, Total	81%	Dermal	42%		Iron	7%	Dermal	70%
		Uranium-238	2%	Inhalation	0%		Manganese	39%	Inhalation	0%
				External exposure	1%		Molybdenum	17%		
							Nickel	5%		
							Vanadium	27%		
Excavation Worker (surface and subsurface soil)	**1.9E-05**	Arsenic	17%	Ingestion	57%	**2.5**	Arsenic	4%	Ingestion	30%
		PAH, Total	81%	Dermal	42%		Iron	7%	Dermal	70%
				Inhalation	0%		Manganese	39%	Inhalation	0%
				External exposure	1%		Molybdenum	17%		
							Nickel	5%		
							Vanadium	27%		
Future Adult Resident (surface soil)	**2.3E-04**	PAH, Total	98%	Ingestion	24%	**2.6**	Iron	8%	Ingestion	3%
		Uranium-238	2%	Dermal	75%		Nickel	15%	Dermal	96%
				Inhalation	0%		Vanadium	77%	Inhalation	0%
				External exposure	2%					
Future Child Resident (surface soil)	See Future Adult Resident					**6.9**	Iron	13%	Ingestion	14%
							Nickel	14%	Dermal	86%
							Vanadium	73%	Inhalation	0%

Table D8.41. Alternate Summary of Risk Characterization using KY ABS Values for AOC 204, EU 9 (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-04**	PAH, Total	99%	Ingestion Dermal Inhalation External exposure	22% 78% 0% 0%	**<1**	*No COCs		Ingestion Dermal Inhalation	
Future Teen Recreational User (surface soil)	See Future Adult Recreational User					**2.4**	Iron Nickel Vanadium	8% 15% 78%	Ingestion Dermal Inhalation	3% 97% 0%
Future Child Recreational User (surface soil)	See Future Adult Recreational User					**2.8**	Iron Nickel Vanadium	13% 14% 73%	Ingestion Dermal Inhalation	14% 86% 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.