























Variability Calculations						
Location	Sets of six samples	% Standard Deviation		Ratio		
		RCD	ТС	EC	RCD/TC	RCD/EC
Mine A	6	5.5	2.1	1.9	2.6	2.9
Mine B	6	5.8	1.9	2.5	3.1	2.3
Garage A	6	10.9	7.1	5.8	1.5	1.9
Garage B	6	6.4	2.5	1.9	2.6	3.4
Garage C	6	11.7	3.1	2.9	3.8	4.0
				AVG	2.7	2.9

CANMET Mining and Mineral Sciences Laboratories					
Concentration Ranges in Garages					
 EC: 10 to 95 µg/m³ TC: 74 to 402 µg/m³ RCD: 110 to 625 µg/m³ Ratio TC/EC: 5.0 (2-3 times higher than in mines) Ratio RCD/TC: 1.2 (same as in mines) 					
Jurisdiction	Method	Substance	Limit of Exposure (µg/m ³)		
Québec	RCD	RCD	600		
Ontario	RCD	RCD	1500		
USA (provisional)	NIOSH 5040	EC	308		
USA (final - May 2008)	NIOSH 5040	ТС	160		
Image: Natural Resources Canada Ressources naturelles Canada Canada					



CAN	CANMET Mining and Mineral Sciences Laboratories					
Concentration Ranges in Mines Area Samples						
 EC: 99 to 282 μg/m³ TC: 162 to 626 μg/m³ RCD: 210 to 755 μg/m³ Ratio TC/EC: 1.8 Ratio RCD/TC: 1.2 (same as in garages) 						
Jurisdiction	Method	Substance	Limit of Exposure (µg/m ³)			
Québec	RCD	RCD	600			
Ontario	RCD	RCD	1500			
USA (provisional)	NIOSH 5040	EC	308			
USA (final - May 2008)	NIOSH 5040 TC		160			
Natural Resources Ressources naturelles Canada Canada						



CANMET Mining and Mineral Sciences Laboratories					
Mine Worker Exposure					
 Mine A – 25 samples, 1 spoiled EC: 38 to 434 µg/m³ TC: 145 to 702 µg/m³ Mine B – 23 samples, 3 spoiled EC: 25 to 398 µg/m³ TC: 69 to 723 µg/m³ TC/EC Ratio: 1.9 					
Jurisdiction	Method	Substance	Limit of Exposure (µg/m ³)		
Québec	RCD	RCD	600		
Ontario	RCD	RCD	1500		
USA (provisional)	NIOSH 5040 EC		308		
USA (final - May 2008)	NIOSH 5040 TC		160		
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