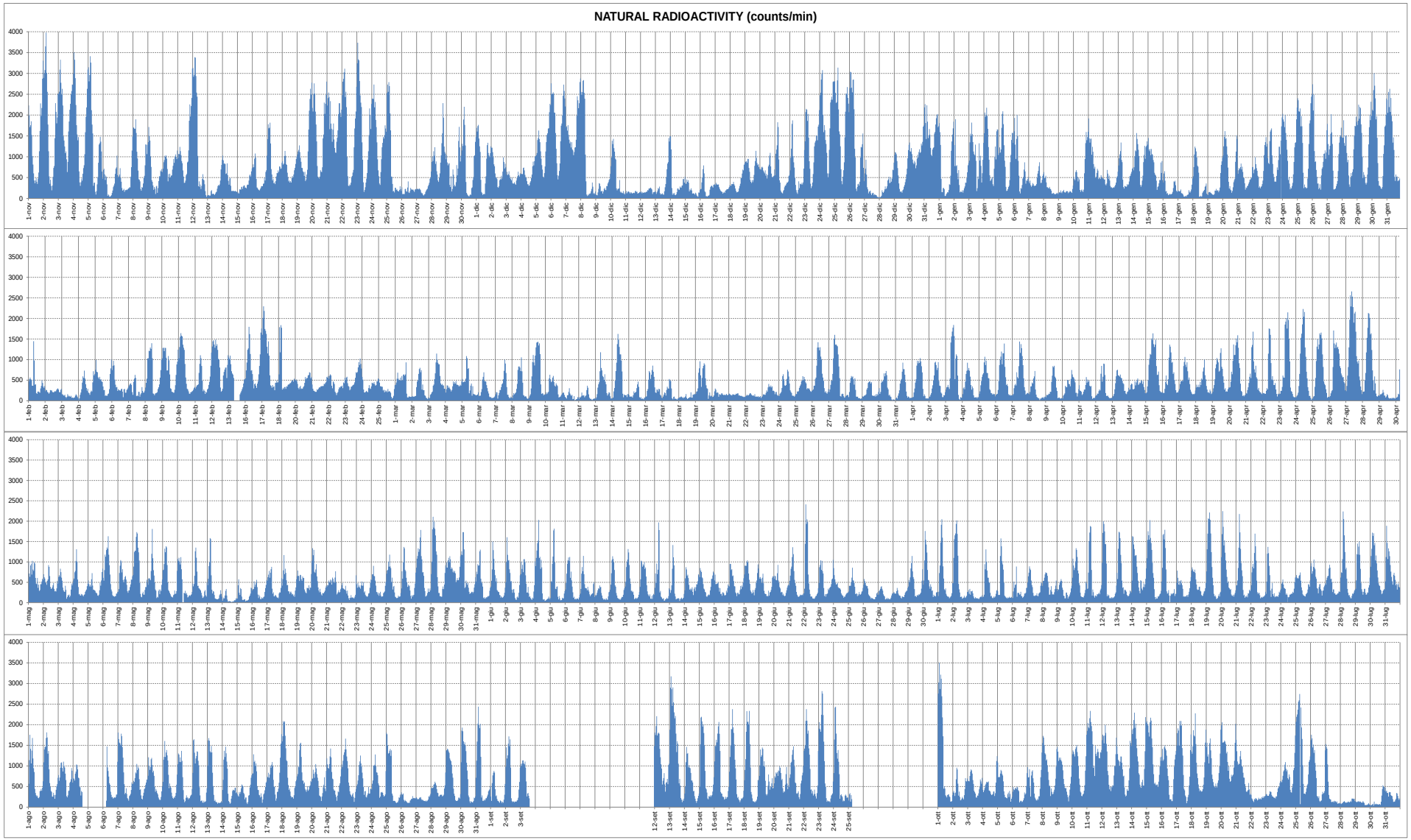

Figure S1. Time pattern of natural radioactivity during the study period.

Table S1. Indoor and outdoor concentration (yearly mean ± standard deviation) and I/O ratio of micro- and trace-elements in the soluble and insoluble fraction of $PM_{2.5}$. Limits of detection (LOD) and number of data > LOD (N) are reported for each element.

	SOLUBLE FRACTION						INSOLUBLE FRACTION					
	LOD	INDOOR		OUTDOOR		I/O	LOD	INDOOR		OUTDOOR		I/O
	ng/m³	N	ng/m³	N	ng/m³		ng/m³	N	ng/m³	N	ng/m³	
As	0.2	20	0.39±0.21	47	0.42±0.18	0.9	0.3	-	<LOD	-	<LOD	-
Cd	0.07	18	0.07±0.04	47	0.16±0.09	0.7	0.1	-	<LOD	-	<LOD	-
Ce	0.01	8	0.01±0.01	25	0.04±0.03	0.9	0.2	18	0.4±0.2	44	0.3±0.2	0.9
Co	0.05	10	0.06±0.05	29	0.05±0.03	0.7	0.05	16	0.10±0.06	44	0.09±0.04	1.0
Cr	0.1	16	0.2±0.1	55	0.3±0.1	0.8	-	-	-	-	-	-
Cs	0.01	18	0.02±0.01	46	0.03±0.02	0.8	0.01	18	0.02±0.02	45	0.02±0.01	0.9
Cu	0.5	20	1.7±0.7	59	4.8±4.0	0.5	1	24	4±3	61	5±3	0.8
Fe	5	16	7±3	54	14±9	0.8	100	22	166±87	51	230±197	0.7
Li	0.02	18	0.03±0.02	46	0.03±0.02	1.0	0.05	22	0.06±0.03	57	0.09±0.05	0.9
Mn	0.5	24	2.5±1.8	61	2.4±1.6	1.2	0.5	24	1.9±0.9	61	3.2±2.0	0.6
Mo	0.05	22	0.25±0.13	53	0.29±0.12	0.9	0.1	18	0.3±0.1	52	0.5±0.4	0.5
Ni	0.2	22	0.4±0.2	43	0.7±0.5	0.8	0.5	22	1.0±0.5	57	1.4±0.8	0.7
Pb	0.1	24	0.3±0.2	57	0.5±0.3	0.5	0.5	24	2.7±1.4	61	3.4±1.6	0.8
Rb	0.1	24	0.5±0.5	56	0.7±0.6	0.9	0.1	14	0.3±0.1	37	0.3±0.2	1.0
Sb	0.1	24	0.6±0.2	59	0.9±0.4	0.8	0.2	24	0.9±0.3	61	1.1±0.6	0.9
Sn	0.02	24	0.15±0.07	47	0.15±0.11	0.9	0.1	24	1.1±0.9	61	1.4±1.1	0.7
Sr	0.5	22	1.2±0.6	55	1.3±1.2	0.8	0.5	18	1.4±0.7	42	1.6±1.2	0.8
Ti	0.1	10	0.2±0.2	29	0.2±0.1	0.7	0.5	24	4.2±3.1	61	3.7±2.3	0.7
Tl	0.01	18	0.03±0.01	51	0.06±0.03	0.7	0.01	-	<LOD	-	<LOD	-
U	0.001	-	<LOD	-	<LOD		0.001	16	0.006±0.004	32	0.006±0.004	1.0
V	0.2	24	1.0±0.8	60	1.1±0.9	0.8	0.2	22	0.7±0.4	57	0.7±0.4	1.0
Zn	2	22	9±7	51	12±6	0.9	-	-	-	-	-	-

Table S2. Correlation matrix of elemental concentration in indoor and outdoor samples: soluble fraction.

	As	*Cd*	*Cr*	*Cs*	*Cu*	*Fe*	*Li*	*Mn*	*Mo*	*Ni*	*Pb*	*Rb*	*Sb*	*Sn*	*Sr*	*Ti*	*Tl*	*V*	*Zn*
As	1.0																		
Cd	0.3	1.0																	
Cr	0.5	0.3	1.0																
Cs	0.6	0.3	0.5	1.0															
Cu	0.2	0.4	0.4	0.4	1.0														
Fe	0.3	0.3	0.5	0.2	0.5	1.0													
Li	0.4	0.3	0.4	0.4	0.4	0.6	1.0												
Mn	0.6	0.2	0.5	0.5	0.3	0.5	0.5	1.0											
Mo	0.5	0.3	0.5	0.6	0.5	0.3	0.4	0.6	1.0										
Ni	-0.2	0.4	0.0	-0.3	-0.2	0.2	0.1	0.0	-0.1	1.0									
Pb	0.1	0.4	0.1	0.5	0.6	0.1	0.1	0.0	0.4	-0.2	1.0								
Rb	0.7	0.2	0.4	1.0	0.5	0.3	0.5	0.5	0.6	-0.4	0.3	1.0							
Sb	0.3	0.3	0.3	0.5	0.6	0.5	0.6	0.4	0.5	0.1	0.4	0.5	1.0						
Sn	0.2	0.1	0.2	-0.1	-0.1	0.3	0.3	0.3	0.4	0.4	0.0	-0.2	0.1	1.0					
Sr	0.3	0.0	0.5	0.5	0.3	0.4	0.5	0.3	0.5	-0.1	0.0	0.6	0.3	0.0	1.0				
Ti	0.5	0.1	0.4	0.5	-0.2	0.1	0.3	0.6	0.4	0.1	-0.1	0.4	0.1	0.4	0.2	1.0			
Tl	0.4	0.5	0.4	0.7	0.7	0.1	0.2	0.2	0.7	-0.3	0.7	0.7	0.4	-0.1	0.4	0.1	1.0		
V	-0.4	0.2	-0.1	-0.5	-0.1	0.3	0.2	-0.1	-0.1	0.7	-0.1	-0.5	0.3	0.5	-0.1	-0.1	-0.3	1.0	
Zn	0.7	0.1	0.4	0.5	0.3	0.5	0.4	0.6	0.4	-0.2	0.1	0.6	0.4	0.0	0.4	0.4	0.3	-0.3	1.0

Table S3. Correlation matrix of elemental concentration in indoor and outdoor samples: insoluble fraction.

	Ce	*Co*	*Cs*	*Cu*	*Fe*	*Li*	*Mn*	*Mo*	*Ni*	*Pb*	*Rb*	*Sb*	*Sn*	*Sr*	*Ti*	*U*	*V*
Ce	1.0																
Co	0.3	1.0															
Cs	0.4	0.5	1.0														
Cu	0.4	0.4	0.7	1.0													
Fe	0.4	0.3	0.8	0.9	1.0												
Li	0.1	0.3	0.6	0.2	0.3	1.0											
Mn	0.3	0.4	0.7	0.8	0.8	0.4	1.0										
Mo	0.1	0.2	0.6	0.8	0.8	0.2	0.7	1.0									
Ni	0.3	0.3	0.5	0.6	0.6	0.1	0.4	0.5	1.0								
Pb	0.5	0.6	0.7	0.8	0.7	0.2	0.6	0.6	0.5	1.0							
Rb	0.4	0.3	0.9	0.7	0.8	0.7	0.9	0.6	0.4	0.6	1.0						
Sb	0.2	0.3	0.4	0.8	0.7	0.1	0.5	0.8	0.5	0.6	0.1	1.0					
Sn	0.3	0.3	0.7	0.9	0.8	0.1	0.7	0.8	0.6	0.8	0.6	0.8	1.0				
Sr	0.7	0.3	0.6	0.5	0.5	0.5	0.7	0.3	0.3	0.6	0.7	0.0	0.3	1.0			
Ti	0.4	0.5	0.6	0.5	0.7	0.5	0.6	0.3	0.2	0.5	0.6	0.3	0.4	0.4	1.0		
U	0.6	0.6	0.9	0.8	0.7	0.4	0.8	0.6	0.5	0.8	0.7	0.6	0.7	0.8	0.6	1.0	
V	0.2	0.2	0.7	0.3	0.4	0.8	0.5	0.4	0.2	0.3	0.8	0.1	0.2	0.6	0.5	0.5	1.0