Appendix A.

Article: Low carbon economy in schools: Environmental footprint and associated externalities of five schools in Southwestern Europe

Table A1. External costs per pollutant (Eur$_{2018}$/tonne of pollutant release).

Pollutant	Emission into	Eur2018/tonne of pollutant release	
		Spain	Portugal
NH3	air	5.12E+03	3.58E+03
NMVOC	air	8.42E+02	9.59E+02
NOX	air	5.43E+03	2.68E+03
PPMco	air	1.49E+03	1.68E+03
PPM25	air	2.47E+04	3.08E+04
SO2	air	8.49E+03	6.85E+03
Cd	air	1.45E+05	1.48E+05
As	air	9.12E+05	9.36E+05
Ni	air	2.04E+03	2.43E+03
Pb	air	4.90E+05	4.99E+05
Hg	air	1.47E+07	1.49E+07
Cr	air	1.22E+04	1.33E+04
Cr-VI	air	6.09E+04	6.64E+04
Formaldehyde	air	3.67E+02	3.73E+02
Dioxin	air	6.78E+10	6.89E+10
CO2 - NoEW	air	1.29E+01	1.27E+01
CH4 - NoEW	air	4.64E+02	4.56E+02
N2O - NoEW	air	2.08E+04	2.04E+04
SF6 - NoEW	air	9.98E+02	9.81E+02
Aerosols, radioactive, unspecified	air	4.88E-04	4.80E-04
Carbon-14	air	2.65E-03	2.60E-03
Carbon-14	water	1.78E-05	1.75E-05
Cesium-137	air	1.81E-03	1.77E-03
Cesium-137	water	2.39E-05	2.35E-05
Hydrogen-3, Tritium	air	9.67E-07	9.50E-07
Hydrogen-3, Tritium	water	2.07E-07	2.04E-07
Iodine-129	air	1.56E-02	1.53E-02
Iodine-131	air	4.95E-03	4.87E-03
Iodine-131	water	1.55E-02	1.52E-02
Iodine-133	air	7.13E-07	7.00E-07
Iodine-133	water	0.00E+00	0.00E+00
Iodine-135	air	0.00E+00	0.00E+00
Krypton-85	air	5.22E-08	5.13E-08
Krypton-85	water	0.00E+00	0.00E+00
Krypton-85m	air	0.00E+00	0.00E+00
Noble gases, radioactive, unspecified	air	1.05E-07	1.03E-07
Radon-222	air	2.74E-08	2.70E-08
Thorium-230	air	7.32E-03	7.19E-03
Thorium-230	water	0.00E+00	0.00E+00
Uranium-234	air	1.95E-03	1.92E-03

Pollutant	Emission into	Eur2018/tonne of pollutant release	
		Spain	Portugal
Uranium-234	water	4.83E-05	4.75E-05
Uranium-235	air	1.59E-03	1.56E-03
Uranium-235	water	1.74E-04	1.71E-04
Uranium-238	air	1.71E-03	1.68E-03
Uranium-238	water	4.79E-04	4.71E-04
Strontium-90	water	1.15E-06	1.13E-06
Rubidium-106	water	8.05E-07	7.91E-07
Lead-210	air	2.44E-04	2.40E-04
Polonium-210	air	2.44E-04	2.40E-04
Radium-226	air	1.46E-04	1.44E-04