

Situation 4

A commercial vehicle is stopped at a customs point and the load is checked. The manifest includes a cargo of smoke detectors being imported into the country and states that there are 100 smoke detectors in a cardboard box. The customs officials are concerned as to their exposure in checking the cargo as they say the documents state that there is 1 μCi of radioactivity in each detector and request that someone confirms that it is safe. In the interest of public relations and seeing a possible training opportunity the authorities dispatch a junior staff member with an HPGe detector. The staff member takes a background spectrum outside the truck and then takes a spectrum approximately 20 cm from the side of the cardboard box.



Spectra provided:

Spectrum at the side of the box [Situation 4.chn/.cnf/.spe/.txt/.phd](#)

Background spectrum Situation 4 [background.chn/.cnf/.spe/.txt/.phd](#)