

Table 3 Efficiency, background and MDA for energies under investigation

NUCLIDES	@ KeV	EFFICIENCY	BKGD CPM	MDA* (dpm/g)
Pb-214	295.0	0.205	0.18±0.01	0.37
Ac-228	338.4	0.133	0.14±0.01	0.79
Pb-214	351.9	0.170	0.30±0.01	0.30
Tl-208	583.1	0.049	0.28±0.01	0.43
Bi-214	609.3	0.053	0.31±0.01	0.78
Cs-137	661.6	0.085	0.04±0.01	0.09
Ac-228	911.2	0.043	0.22±0.01	1.29
Bi-214	1120.2	0.026	0.09±0.00	2.63
K-40	1460.1	0.043	0.37±0.01	4.67

* The counting time of MDA was 70 hours.