

Table 1 ^{226}Ra , ^{232}Th and ^{40}K concentration values in Nile Delta profiles during 2008 with radiation hazardous indices.

		Distance	^{226}Ra Bq/kg	^{232}Th Bq/kg	^{40}K Bq/kg	$R_{\text{a}_{\text{eq}}}$ Bq/kg	Hex	DnGy/h	AEED mSv/y	$^{226}\text{Ra}/^{232}\text{Th}$
West Rosetta	W_R	100 m	28.67±6.23	28.75±7.59	314.90±30.06	93.96	0.25	43.83	0.05	1.00
		200 m	23.20±7.14	19.23±11.29	160.55±37.48	63.02	0.17	29.08	0.04	1.21
		300 m	34.62±6.95	25.33±8.75	294.07±34.15	93.43	0.25	43.64	0.05	1.37
		400 m	39.32±6.26	45.13±9.40	204.98±33.56	119.56	0.32	54.03	0.07	0.87
East Rosetta	E_R	100 m	19.01±8.38	18.82±13.08	268.58±43.10	66.56	0.18	31.43	0.04	1.01
		200 m	10.42±7.92	28.84±12.34	299.78±41.12	74.68	0.20	34.82	0.04	0.36
		300 m	11.99±7.27	13.24±11.18	340.60±40.02	57.10	0.15	27.84	0.03	0.91
		400 m	23.47±7.27	23.66±11.25	169.18±38.85	70.28	0.19	32.24	0.04	0.99
West Burullus	W_B	500 m	18.23±6.61	17.33±10.26	171.35±34.67	56.17	0.15	26.09	0.03	1.05
		100 m	17.60±7.75	30.09±11.81	306.52±42.07	84.16	0.23	39.18	0.05	0.58
		200 m	17.67±8.10	10.51±6.42	352.94±44.77	59.83	0.16	29.34	0.04	1.68
		300 m	28.39±7.24	9.25±11.16	288.32±40.97	63.78	0.17	30.81	0.04	3.07
		400 m	27.52±8.22	18.69±10.80	338.74±48.81	80.28	0.22	38.23	0.05	1.47
East Burullus	E_B	500 m	28.58±7.11	22.39±12.33	377.77±40.17	89.62	0.24	42.59	0.05	1.28
		100 m	13.87±6.25	9.83±9.52	266.78±34.32	48.43	0.13	23.55	0.03	1.41
		200 m	21.21±7.16	31.22±12.01	210.54±38.09	82.01	0.22	37.50	0.05	0.68
		300 m	19.16±8.39	27.50±13.51	332.17±48.38	84.00	0.23	39.41	0.05	0.70
		400 m	19.57±7.41	16.26±11.08	399.04±41.85	73.49	0.20	35.62	0.04	1.20
West Ras El-Bar	W_S	500 m	17.08±6.26	9.21±6.18	283.23±34.34	52.02	0.14	25.35	0.03	1.85
		100 m	34.67±6.98	42.13±10.77	267.13±36.64	115.40	0.31	52.68	0.06	0.82
		200 m	13.19±6.74	11.80±9.92	207.27±37.21	45.99	0.12	21.93	0.03	1.12
		300 m	37.41±7.53	39.11±11.43	262.63±40.12	113.48	0.31	51.94	0.06	0.96
		400 m	40.30±6.77	42.13±10.05	234.07±35.46	118.49	0.32	53.90	0.07	0.96
East Ras El-Bar	E_S	500 m	35.42±6.72	53.10±10.26	171.42±36.15	124.46	0.34	55.64	0.07	0.67
		100 m	18.23±6.61	17.33±10.26	380.94±46.21	72.29	0.20	34.89	0.04	1.05
		200 m	22.82±7.80	27.54±12.40	294.78±43.33	84.84	0.23	39.56	0.05	0.83
		300 m	30.59±9.08	19.03±14.47	268.29±51.59	78.42	0.21	36.90	0.05	1.61
		400 m	21.13±7.68	27.15±11.91	307.33±43.14	83.56	0.23	39.07	0.05	0.78
		500 m	16.47±5.33	9.81±7.23	373.19±44.62	59.19	0.16	29.21	0.04	1.68
Average			23.79±8.54	23.95±11.79	280.93±68.19	79.60	0.22	37.25	0.05	1.14
Minimum			10.42	9.21	160.55	45.99	0.12	21.93	0.03	0.36
Maximum			40.30	53.10	399.04	124.46	0.34	55.64	0.07	3.07