

Table C-12. Actinide, Gamma-emitting Radionuclide, and Strontium-90 Concentrations in Edible Tissues of Waterfowl

Location	Sampling		Result ± Uncertainty(1s)		Result ± Uncertainty(1s)		Result > 3s
	Date	Analyte	pCi/kg		(x 10 ⁻⁵) Bq/g		
ATR Complex	9/8/2017	AMERICIUM-241	5.23	± 3.49	19.37	± 12.93	No
		CESIUM-137	3090.00	± 152.00	11444.44	± 562.96	Yes
		CHROMIUM-51	-54.20	± 194.00	-200.74	± 718.52	No
		COBALT-60	716.00	± 41.80	2651.85	± 154.81	Yes
		PLUTONIUM-238	15.50	± 4.00	57.41	± 14.81	Yes
		PLUTONIUM-239/240	0.00	± 2.43	0.00	± 9.00	No
		STRONTIUM-90	248.00	± 4.15	918.52	± 15.37	Yes
		ZINC-65	62.30	± 22.30	230.74	± 82.59	No
ATR Complex	9/8/2017	AMERICIUM-241	-0.66	± 1.97	-2.43	± 7.30	No
		CESIUM-137	1.00	± 5.70	3.70	± 21.11	No
		CHROMIUM-51	-425.00	± 141.00	-1574.07	± 522.22	No
		COBALT-60	4.59	± 3.86	17.00	± 14.30	No
		PLUTONIUM-238	9.49	± 3.30	35.15	± 12.22	No
		PLUTONIUM-239/240	0.56	± 2.00	2.06	± 7.41	No
		STRONTIUM-90	-2.79	± 1.61	-10.33	± 5.96	No
		ZINC-65	-29.00	± 12.80	-107.41	± 47.41	No
ATR Complex	9/22/2017	AMERICIUM-241	-3.49	± 2.01	-12.93	± 7.44	No
		CESIUM-137	-2.58	± 8.39	-9.56	± 31.07	No
		CHROMIUM-51	0.00	± 147.00	0.00	± 544.44	No
		COBALT-60	8.80	± 5.42	32.59	± 20.07	No
		PLUTONIUM-238	2.53	± 2.55	9.37	± 9.44	No
		PLUTONIUM-239/240	-1.42	± 2.05	-5.26	± 7.59	No
		STRONTIUM-90	2.85	± 1.58	10.56	± 5.85	No
		ZINC-65	-28.20	± 17.80	-104.44	± 65.93	No
Control	11/18/2017	AMERICIUM-241	3.62	± 2.09	13.41	± 7.74	No
		CESIUM-137	10.20	± 8.24	37.78	± 30.52	No
		CHROMIUM-51	-25.90	± 67.90	-95.93	± 251.48	No
		COBALT-60	5.24	± 4.91	19.41	± 18.19	No
		PLUTONIUM-238	2.07	± 1.91	7.67	± 7.07	No
		PLUTONIUM-239/240	2.00	± 2.93	7.41	± 10.85	No
		STRONTIUM-90	1.04	± 2.52	3.85	± 9.33	No
		ZINC-65	-1.91	± 14.70	-7.07	± 54.44	No
Control	11/18/2017	AMERICIUM-241	±		0.00	± 0.00	No
		CESIUM-137	4.60	± 2.18	17.04	± 8.07	No
		CESIUM-137	1.70	± 3.24	6.30	± 12.00	No
		CHROMIUM-51	18.10	± 29.20	67.04	± 108.15	No
		COBALT-60	-1.80	± 2.07	-6.67	± 7.67	No
		PLUTONIUM-238	3.31	± 2.01	12.26	± 7.44	No
		PLUTONIUM-239/240	2.21	± 1.63	8.19	± 6.04	No
		STRONTIUM-90	-4.92	± 2.34	-18.22	± 8.67	No
ZINC-65	-13.20	± 6.47	-48.89	± 23.96	No		
Control	11/18/2017	AMERICIUM-241	1.68	± 2.17	6.22	± 8.04	No
		CESIUM-137	-3.96	± 5.95	-14.67	± 22.04	No
		CHROMIUM-51	-131.00	± 66.00	-485.19	± 244.44	No
		COBALT-60	8.88	± 3.92	32.89	± 14.52	No
		PLUTONIUM-238	4.24	± 2.79	15.70	± 10.33	No
		PLUTONIUM-239/240	0.77	± 2.31	2.86	± 8.56	No
		STRONTIUM-90	-1.60	± 2.73	-5.93	± 10.11	No
		ZINC-65	-12.50	± 11.70	-46.30	± 43.33	No
Control	11/18/2017	AMERICIUM-241	-1.96	± 2.84	-7.26	± 10.52	No
		CESIUM-137	1.93	± 4.62	7.15	± 17.11	No
		CHROMIUM-51	-58.40	± 61.80	-216.30	± 228.89	No
		COBALT-60	4.07	± 3.15	15.07	± 11.67	No
		PLUTONIUM-238	7.56	± 2.75	28.00	± 10.19	No
		PLUTONIUM-239/240	0.09	± 2.84	0.32	± 10.52	No
		STRONTIUM-90	-2.29	± 2.31	-8.48	± 8.56	No
		ZINC-65	-29.00	± 10.10	-107.41	± 37.41	No