

**Table 14.** Concentrations of selected metals and trace elements in Standard Reference Material 1944 (New York/New Jersey waterway sediment), which was run for quality-control purposes.

[The National Institute of Standards and Technology (NIST)-certified values as well as the acceptable concentration range based on the 95-percent confidence intervals of the true value were used to verify method performance. Samples were analyzed in four batches and information on each batch is included. Samples analyzed at the Institute for Integrated Research in Materials, Environments and Society (IIRMES) laboratory in Long Beach, California. Concentrations are in milligrams per kilogram, dry weight.]

Constituent	NIST-certified value	Acceptable concentration range	Batch number			
			M03-012	M03-013	M03-014	M03-024
Aluminum	53,300	37,310–69,290	52,710	63,717	51,891	51,710
Arsenic	18.9	13.2–24.6	22.2	19.1	19.1	21.2
Beryllium	1.60	1.04–2.16	1.60	1.30	1.50	1.30
Cadmium	8.80	6.16–11.4	7.10	9.60	10.2	10.3
Chromium	266	186–346	264	223	238	271
Cobalt	14.0	9.8–18.2	12.4	11.4	13.3	13.2
Copper	380	266–494	407	267	303	372
Iron	35,300	24,710–45,890	38,320	42,470	39,500	36,064
Lead	330	231–429	289	266	264	320
Manganese	505	353–657	543	630	547	496
Mercury	3.40	2.38–4.42	3.18	2.94	3.58	3.52
Nickel	76.1	53.3–98.9	83.4	59.1	70.0	69.7
Selenium	1.40	0.98–1.82	0.900	0.800	1.40	1.40
Silver	6.40	4.48–8.32	6.30	5.90	6.80	7.90
Thallium	0.060	0.39–0.81	0.450	0.540	0.800	0.600
Tin	42.0	29.4–54.6	50.2	48.5	47.9	45.5
Titanium	4,300	2,795–5,805	3,777	4,615	4,560	3,534
Vanadium	100	70–130	101	87.6	101	104
Zinc	656	459–853	678	564	511	586

