Table 4. Concentrations of elements and moisture content in whole fish or carcasses collected from the Rio Grande and collected nationwide.

[Moisture content and element data are mean ± 1 standard deviation with the number of fish composite samples and range of concentrations in parenthesis. "NCBP", National Contaminant Biomonitoring Program; "µg/g wet", micrograms per gram on a wet weight basis; "%", percent]

Element	This study	Abeyta and Lusk 2004	Roy et al. 1992	Schmitt et al. 2004	Mora 2001 (est. wet weight using 72.1% moisture)	Schmitt et al. 1999 (NCBP)
Aluminum (µg/g wet)	82.3 ± 75.0 (33; 8.8-308)		45.3 ± 60.15 (109; 0.4-364.3)	16.1 ± 11.6 (47; 6.4-61.8)	43.9 ± 106.8 (23; 2.1-477)	
Arsenic (µg/g wet)	0.9 ± 0.1 (33; 0.7-1.2)	0.3 ± 0.2 (27; 0.1-0.7)	0.1 ± 0.2 (94; 0.01-0.8)	0.2 ± 0.1 (47; 0.03-0.6)	0.2 ± 0.4 (55; <0.01-2.6)	0.2 ± 0.2 (2873; 0.01-3.4)
Barium (µg/g wet)	15.5 ± 4.8 (33; 6.1-23.6)		2.9 ± 2.5 (93; 0.15-17.3)	1.2 ± 0.9 (47; 0.2-3.7)	1.0 ± 1.5 (23; 0.1-7.1)	
Copper (µg/g wet)	1.8 ± 2.5 (33; 0.7-11.8)	1.5 ± 1.8 (27; 0.7-8.9)	1.63 ± 1.0 (112; 0.32-6.14)	0.9 ± 0.4 (47; 0.3-1.8)	0.5 ± 0.5 (51; 0.1-2.7)	1.0 ± 1.6 (1255; 0.1-38.8)
Iron (µg/g wet)	98.0 ± 79.4 (33; 18.0-316)		82.5 ± 93.5 (112; 10.7-552)	107 ± 110 (47; 11.2-524)	43.6 ± 83.1 (22; 3.5-356)	
Lead (µg/g wet)	0.1 ± 0.1 (33; 0.03-0.4)	0.1 ± 0.1 (27; 0.03-0.4)	0.5 ± 0.4 (88; 0.1-1.7)	0.1 ± 0.1 (47; 0.01-0.8)	0.2 ± 0.1 (42; 0.01-0.6)	0.2 ± 0.4 (2873; <0.01-6.7)
Manganese (µg/g wet)	7.6 ± 4.4 (33; 2.9-17.9)		(8.5 ± 7.4) (112; 0.8-51.3)	(4.4 ± 2.5) (47; 1.0-9.9)	(4.5 ± 4.1) (17; 1.0-12.5)	
Magnesium (µg/g wet)	406 ± 58.5 (33; 320-566)		(344 ± 77.5) (112; 221-645)	(321 ± 62.8) (47; 217-480)	(280 ± 117) (22; 189-634)	
Mercury (µg/g wet)	0.05 ± 0.02 (33; 0.02-0.10)	(0.04 ± 0.03) (0.03; 0.01-0.16)	(0.07 ± 0.05) (112; 0.01-0.24)	(0.13 ± 0.09) (47; 0.01-0.46)	(0.07 ± 0.05) (75; 0.01-0.22)	(0.15 ± 0.18) (3410; <0.01-4.5)
Nickel (µg/g wet)	0.6 ± 0.9 (33; 0.1-3.6)	(0.3 ± 0.3) (15; 0.03-1.1)	(0.4 ± 0.3) (91; 0.02-2.23)	(0.7 ± 0.8) (47; 0.2-4.2)	(0.3 ± 0.9) (20; 0.01-3.9)	
Selenium (µg/g wet)	0.5 ± 0.1 (33; 0.3-0.9)	(0.8 ± 0.7) (27; 0.2-3.3)	(0.4 ± 0.3) (112; 0.07-1.3)	(0.7 ± 0.4) (47; 0.2-1.9)	(0.3 ± 0.2) (75; <0.01-0.9)	(0.5 ± 0.5) (2205; 0.03-6.6)
Strontium (µg/g wet)	38.1 ± 7.6 (33; 28.3-58.3)		(26.0 ± 15.2) (100; 5.3-68.4)	(33.7 ± 17.3) (47; 5.9-78.4)	(41.5 ± 22.7) (23; 13.5-108)	
Vanadium (µg/g wet)	0.3 ± 0.2 (33; 0.1-0.8)		(0.4 ± 0.3) (63; 0.03-1.7)	(0.1 ± 0.1) (47; 0.05-0.4)	(0.2 ± 0.2) (20; 0.03-0.8)	
Zinc (µg/g wet)	37.9 ± 5.7 (33; 29.8-57.0)	(59.2 ± 57.7) (27; 21.3-230)	(32.5 ± 16.3) (112; 9.8-83.2)	(39.3 ± 23.9) (47; 11.1-83.6)	(12.9 ± 13.2) (53; 0.9-76.5)	(29.8 ± 22.8) (1255; 7.7-168)
Moisture (percent)	71.9 ± 1.9 (33; 66.5-76.6)	(77.8 ± 2.7) (7; 75-83)	(73.0 ± 4.9) (112; 56.5-82.6)	(72.9 ± 3.0) (47; 65.3-79.8)		(72.1 ± 4.5) (1421; 43.5-86.2)