Mean total and total inorganic arsenic concentrations in foods from Schoof et al. (1999)

Food	Mean Total Arsenic <sup>a</sup>	Mean Total Inorganic % Inorganic	
		Arsenic <sup>b</sup>	arsenic
Meat and poultry			
Beef	51.5	0.39 J	0.8%
Chicken	86.4	0.89 J	1.0%
Pork	13.5	0.67 J	5.0%
Fish and shellfish			
Freshwater finfish	160	1.0J	0.6%
Saltwater finfish	2,356	0.55 J	0.0%
Shrimp	1,890	1.9 J	0.1%
Tuna	512	1.0 <i>U</i>	0.2%
Dairy products			
Milk (both whole and skim milk			
were analyzed; results combined	2.2	1.0 <i>U</i>	
and applied to all milk products)			45.5%
Eggs	20	0.98 J	4.9%
Legumes, nuts, and seeds			
Peanut butter (applied to legumes,	43.7	4.7	
nuts and seeds)	43.7	4.7	10.8%
Grain and grain products			
(excluding rice)			
Corn (meal)	38.6	4.4	11.4%
Flour	39.2	10.9	27.8%
Rice and rice products	303	73.7	24.3%
Fruits and fruit juices			
Orange	1.6	2.5	156.3%
Orange juice	4.8	1.0 <i>U</i>	20.8%
Apple, raw	4.8	1.8 J	37.5%
Apple, juice	7.6	2.8	36.8%
Grape juice <sup>c</sup>	14.1	9.3	66.0%
Banana	2.3	0.65 J	28.3%
Grape	10.2	3.7	36.3%
Peach	3.4	2.3	67.6%
Watermelon <sup>c</sup>	6.7	2.1	31.3%
Potatoes	2.8	0.82 J	29.3%
<b>Vegetables and vegetable products</b>	2.0	0.020	25.670
(excluding potatoes)			
Tomato	9.9	0.92 J	9.3%
Green bean	2.1	1.2 J	57.1%
Lettuce	1.4	1.5 J	107.1%
Pea	4.3	4.5	104.7%
Spinach	5.1	6.1	119.6%
Carrot	7.3	3.91	53.6%
Callot	1.3	3.91	33.0%

Mean total and total inorganic arsenic concentrations in foods from Schoof et al. (1999)

Food	Mean Total Arsenic <sup>a</sup>	Mean Total Inorganic  Arsenic <sup>b</sup>	% Inorganic arsenic
Corn (kernel)	1.6	1.1 <i>J</i>	68.8%
Cucumber	9.6	4.12	42.9%
Onion	9.6	3.3	34.4%
Condiments, fats, and oils			
Butter	1.8	1.17 J	65.0%
Soybean oil	1.5	0.81J	54.0%
Salt	4.8	0.84 J	17.5%
Sugars and adjuncts			
Beet sugar	12.2	3.5	28.7%
Cane sugar	23.8	4.44	18.7%
Corn syrup	6	0.44 J	7.3%

<sup>&</sup>lt;sup>a</sup> Data analyzed by Battelle Marine Sciences Laboratory, 1529 W. Sequim Bay Rd., Sequim, WA 98382-9099. Concentrations in ng/g in wet weight. Each food type represents an average concentration of four samples, with one of the four samples in each food category analyzed in triplicate (Schoof et al. 1999).

- If one or more, but not all, values to be averaged were non-detected, 50% of the detection limit(s) was used in calculating the average concentration
- Mean values have a "U" or a "J" qualifier if all values used to calculate the mean were "U" or "J" qualified, respectively.

**Source:** Schoof RA, Yost LJ, Eickhoff J, et al. 1999. A market basket survey of inorganic arsenic in food. Food Chem Toxicol 37(8):839-46

<sup>&</sup>lt;sup>b</sup> Where no arsenic was detected (after blank-correcting), one-half the value of the method detection limit was given with a "*U*" designation. When the concentration of arsenic in food (after blank-correcting) was detected above the blank concentration but below the method detection limit, the value was given a "*J*" designation. Undetected samples have been included at one-half of the detection limits. All averaged values were computed as follows:

<sup>&</sup>lt;sup>c</sup> Values corrected from original reported in Schoof et al. (1999). Corrections have negligible impact on findings of Schoof et al. (1999) estimate.