

Table S1. Correlations between trace elements found in urine collected from Main Island Puerto Rico subjects. Outliers were considered within $Q < 0.01$ and not taken into consideration in the analysis to account for extreme values.

	Pb	Hg	Al	Sb	As	Ba	Bi	Cd	Cs	Gd	Ga	Ni	Nb	Pt	Rb	Tl	Th	Sn	W	U
Pb	100%	31%	78%	34%	5%	13%	33%	88%	46%	29%	52%	-7%	28%	-7%	29%	25%	Null	18%	37%	70%
Hg	31%	100%	23%	32%	21%	19%	17%	33%	26%	19%	14%	4%	-9%	-13%	24%	26%	Null	-4%	26%	12%
Al	78%	23%	100%	37%	4%	19%	26%	77%	52%	32%	57%	5%	13%	-8%	35%	30%	Null	7%	37%	67%
Sb	34%	32%	37%	100%	3%	20%	5%	28%	42%	11%	53%	29%	-6%	-12%	48%	13%	Null	25%	56%	27%
As	5%	21%	4%	3%	100%	37%	0%	-2%	26%	4%	-10%	-2%	-13%	-8%	29%	31%	Null	0%	-4%	-4%
Ba	13%	19%	19%	20%	37%	100%	20%	8%	27%	11%	20%	6%	-13%	-12%	33%	21%	Null	19%	8%	14%
Bi	33%	17%	26%	5%	0%	20%	100%	45%	16%	29%	11%	18%	-7%	-4%	-7%	-2%	Null	15%	12%	25%
Cd	88%	33%	77%	28%	-2%	8%	45%	100%	51%	36%	45%	-8%	4%	-4%	19%	10%	Null	7%	27%	68%
Cs	46%	26%	52%	42%	26%	27%	16%	51%	100%	21%	45%	-3%	-19%	-11%	72%	46%	Null	31%	42%	18%
Gd	29%	19%	32%	11%	4%	11%	29%	36%	21%	100%	11%	-14%	-8%	-4%	10%	15%	Null	11%	7%	26%
Ga	52%	14%	57%	53%	-10%	20%	11%	45%	45%	11%	100%	10%	12%	-3%	44%	27%	Null	26%	48%	38%
Ni	-7%	4%	5%	29%	-2%	6%	18%	-8%	-3%	-14%	10%	100%	11%	-1%	-1%	-8%	Null	12%	0%	30%
Nb	28%	-9%	13%	-6%	-13%	-13%	-7%	4%	-19%	-8%	12%	11%	100%	-2%	-12%	18%	Null	0%	18%	43%
Pt	-7%	-13%	-8%	-12%	-8%	-12%	-4%	-4%	-11%	-4%	-3%	-1%	-2%	100%	-11%	13%	Null	-7%	-14%	-2%
Rb	29%	24%	35%	48%	29%	33%	-7%	19%	72%	10%	44%	-1%	-12%	-11%	100%	55%	Null	22%	55%	5%
Tl	25%	26%	30%	13%	31%	21%	-2%	10%	46%	15%	27%	-8%	18%	13%	55%	100%	Null	3%	16%	4%
Th	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
Sn	18%	-4%	7%	25%	0%	19%	15%	7%	31%	11%	26%	12%	0%	-7%	22%	3%	Null	100%	36%	2%
W	37%	26%	37%	56%	-4%	8%	12%	27%	42%	7%	48%	0%	18%	-14%	55%	16%	Null	36%	100%	14%
U	70%	12%	67%	27%	-4%	14%	25%	68%	18%	26%	38%	30%	43%	-2%	5%	4%	Null	2%	14%	100%

Table S2. Correlations between trace elements found in urine collected from Vieques subjects. Outliers were considered within $Q < 0.01$ and not taken into consideration in the analysis to account for extreme values.

	Pb	Hg	Al	Sb	As	Ba	Bi	Cd	Cs	Gd	Ga	Ni	Nb	Pt	Rb	Tl	Th	Sn	W	U
Pb	100%	56%	6%	-10%	2%	37%	-15%	18%	-4%	7%	2%	-8%	Null	4%	-2%	3%	Null	0%	3%	27%
Hg	56%	100%	36%	-17%	19%	38%	-24%	26%	16%	12%	15%	-10%	Null	-10%	13%	24%	Null	3%	13%	54%
Al	6%	36%	100%	-10%	29%	-4%	-10%	73%	36%	7%	40%	0%	Null	-18%	48%	26%	Null	0%	6%	36%
Sb	-10%	-17%	-10%	100%	-19%	-1%	-5%	-12%	21%	-2%	-20%	-7%	Null	-9%	2%	-7%	Null	-6%	-9%	4%
As	2%	19%	29%	-19%	100%	-10%	-17%	40%	-1%	29%	9%	30%	Null	7%	16%	24%	Null	-9%	-22%	-2%
Ba	37%	38%	-4%	-1%	-10%	100%	-17%	6%	29%	-9%	28%	-19%	Null	-4%	1%	27%	Null	63%	19%	7%
Bi	-15%	-24%	-10%	-5%	-17%	-17%	100%	-18%	-6%	-4%	16%	-4%	Null	-5%	-5%	-15%	Null	-5%	52%	-23%
Cd	18%	26%	73%	-12%	40%	6%	-18%	100%	42%	19%	44%	22%	Null	9%	58%	40%	Null	11%	-14%	53%
Cs	-4%	16%	36%	21%	-1%	29%	-6%	42%	100%	9%	51%	3%	Null	-23%	83%	71%	Null	36%	21%	25%
Gd	7%	12%	7%	-2%	29%	-9%	-4%	19%	9%	100%	16%	-6%	Null	-7%	4%	15%	Null	0%	-8%	14%
Ga	2%	15%	40%	-20%	9%	28%	16%	44%	51%	16%	100%	0%	Null	-4%	36%	37%	Null	58%	23%	25%
Ni	-8%	-10%	0%	-7%	30%	-19%	-4%	22%	3%	-6%	0%	100%	Null	76%	5%	-2%	Null	-5%	3%	1%
Nb	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
Pt	4%	-10%	-18%	-9%	7%	-4%	-5%	9%	-23%	-7%	-4%	76%	Null	100%	-23%	-25%	Null	-13%	-11%	5%
Rb	-2%	13%	48%	2%	16%	1%	-5%	58%	83%	4%	36%	5%	Null	-23%	100%	69%	Null	-2%	4%	27%
Tl	3%	24%	26%	-7%	24%	27%	-15%	40%	71%	15%	37%	-2%	Null	-25%	69%	100%	Null	25%	3%	32%
Th	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
Sn	0%	3%	0%	-6%	-9%	63%	-5%	11%	36%	0%	58%	-5%	Null	-13%	-2%	25%	Null	100%	24%	-7%
W	3%	13%	6%	-9%	-22%	19%	52%	-14%	21%	-8%	23%	3%	Null	-11%	4%	3%	Null	24%	100%	-9%
U	27%	54%	36%	4%	-2%	7%	-23%	53%	25%	14%	25%	1%	Null	5%	27%	32%	Null	-7%	-9%	100%