

Table 24. Average recoveries and relative standard deviations for laboratory reagent sand set spike and matrix spike samples analyzed for hormone compounds during the Hurricane Sandy reconnaissance study, June–October 2013.

[Samples analyzed at the U.S. Geological Survey National Water-Quality Laboratory, Denver, Colorado. NA, not applicable].

Compound	Set spikes ¹		Matrix spikes ²	
	Average recovery (percent)	Relative standard deviation (percent)	Average recovery (percent)	Relative standard deviation (percent)
Androgens				
11-Ketotestosterone	94	5.7	67	25
4-Androstene-3,17-dione	99	7.1	102	12
cis-Androsterone	92	4.2	78	24
Dihydrotestosterone	97	5.3	84	37
Epitestosterone	103	5.4	102	23
Testosterone	97	4.4	80	34
Estrogens				
17-alpha-Estradiol	101	4.9	126	9.5
17-alpha-Ethynylestradiol	90	5.2	94	19
17-beta-Estradiol	96	4.0	90	19
Equilenin	93	7.7	91	24
Equilin	94	8.0	20	65
Estriol	91	5.0	92	5.6
Estrone	99	6.4	98	9.3
Mestranol	93	4.9	94	11
trans-Diethylstilbestrol	90	6.5	109	21
Progestins				
Norethindrone	92	6.3	65	23
Progesterone	98	5.1	98	10
Other compounds				
3-beta-Coprostanol	100	4.8	95	19
Bisphenol A	105	23	102	27
Cholesterol	110	8.3	91	NA

¹16 values for all compounds.

²11 values for all compounds, except 2 for cholesterol and 8 for progesterone.

