

Table 11. Statistical summaries of analytical results for detected compounds in field equipment-blank samples.

[Bold text indicates suspected endocrine-disrupting compound (EDC). Analytical method number: 1, Cahill and others (2004); 2, U.S. Geological Survey Organic Geochemistry Research Laboratory; 3, Lee and others (2004); 4, Zaugg and others (2002). µg/L, micrograms per liter; e, estimated]

Compound	Analytical method number	Footnote	Number of blank samples	Number of detections	Minimum detected concentration (µg/L)	Median detected concentration (µg/L)	Maximum detected concentration (µg/L)	Study reporting level for data summary and analysis (µg/L)
Human pharmaceutical compounds (HPCs)								
Acetaminophen, dissolved	1	2	6	2	e0.0058	e0.0074	e0.0091	--
Caffeine, dissolved	1	1	6	1	e.0108	e.0108	e.0108	0.022
Diphenhydramine, dissolved	1	2	6	1	e.0004	e.0004	e.0004	--
Fluoxetine , dissolved	1	2	6	1	e.018	e.018	e.018	--
Human and veterinary antibiotic compounds (HVACs)								
Ciprofloxacin, dissolved	2	1	6	1	e0.011	e0.011	e0.011	0.033
Clinafloxacin, dissolved	2	1	6	1	e.0060	e.0060	e.0060	.005
Erythromycin-H ₂ O, dissolved	2	1	6	1	e.019	e.019	e.019	.046
Sulfamethoxazole, dissolved	2	1	6	1	e.017	e.017	e.017	.014
Household, industrial, and minor agricultural use compounds (HIACs)								
4-tert-Octylphenol , whole water	3	1	5	1	e0.13	e0.13	e0.13	0.26
Phenol, whole water	3	1	5	2	e.45	e.46	e.47	.94
Sterol compounds (SCs)								
<i>beta</i> -Stigmastanol, dissolved	4	1	4	1	e1.0	e1.0	e1.0	1.8

¹Compound detected infrequently in field equipment-blank samples at concentrations generally substantially less than study reporting level; compound not detected at concentration greater than study reporting level in environmental sample associated with field equipment-blank sample with detection.

²Compound detected in field equipment-blank samples; however, compound was excluded from analyses and discussion related to occurrence of organic wastewater compounds in Big Sioux River and wastewater effluents based on results for laboratory reagent-spike or environmental matrix-spike samples.