Table B6. Environmental replicate results for pesticides, wastewater compounds, antibiotics, and degradation products, Columbia River Estuary, 2004–05

[Only replicate pairs for which there was a detectable concentration in one of the samples are reported here; concentrations reported in micrograms per liter; EPTC, S-ethyl dipropyl thiocarbamate; AHTN, acetyl-hexamethyl-tetrahydronaphthalene; M, presence is verified, but concentration is not quantified; --, no data]

Analyte	Location	Date	Environmental concentration	Replicate concentration	Relative percent difference[1]
Pesticides and degradation products					
Atrazine	Willamette	6/24/2004	0.007	0.008	-13
Atrazine	Willamette	7/27/2004	0.009	0.009	0
Atrazine	Willamette	2/17/2005	0.010	0.009	11
Caffeine	Willamette	2/17/2005	0.046	0.018	88
3,4-Dichloroaniline	Willamette	2/17/2005	0.007	<0.004	--
Diuron	Willamette	2/17/2005	0.05	0.03	50
EPTC	Willamette	6/24/2004	0.004	0.004	0
EPTC	Willamette	7/27/2004	0.004	0.003	29
Hexazinone	Willamette	2/17/2005	0.007	<0.013	--
Metolachlor	Willamette	7/27/2004	0.007	0.006	15
Metolachlor	Beaver	9/13/2004	M	M	--
Simazine	Willamette	6/24/2004	0.007	0.007	0
Simazine	Willamette	2/17/2005	0.005	<0.005	--
Sulfometuron-methyl	Willamette	2/17/2005	M	M	--
Wastewater compounds					
AHTN	Willamette	8/16/2004	M	M	--
Bisphenol A	Willamette	8/16/2004	0.1	0.1	0
N,N-diethyl-meta-toluamide (Deet)	Willamette	8/16/2004	0.1	0.1	0
Tris(2-chloroethyl)phosphate	Willamette	8/16/2004	0.01	<0.5	--
Antibiotics and degradation products					
Anhydroerythromycin*	Willamette	8/16/2004	0.091	0.080	13
Trimethoprim	Willamette	8/16/2004	0.006	0.005	18
Trimethoprim	Beaver	4/21/2005	M	0.07	--
Tylosin	Beaver	4/21/2005	M	0.013	--

[1]Relative percent difference is calculated as the absolute difference between two values normalized to the average value, expressed as a percentage.