

Electronic Supplementary Information (ESI)

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Watersheds

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Table S1. Water quality parameters.

Stream	Measurement	Temperature <sup>a</sup> (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)
TBS	Maximum	19.6	631	13.7	8.15	47.9
	Minimum	-0.2	154	3.0	7.62	4.1
	Median	9.7	305	10.4	7.84	17.8
UHL	Maximum	23.5	2643	18.3	8.30	256.8
	Minimum	1.2	652	3.4	6.54	1.8
	Median	12.0	1326	10.9	7.81	9.3
SLT	Maximum	22.5	1869	15.0	8.28	54.1
	Minimum	0.0	377	2.3	7.13	3.3
	Median	11.0	752	10.3	7.82	10.5
SHC	Maximum	23.3	2513	16.3	8.36	83.6
	Minimum	0.0	569	2.5	7.52	0.8
	Median	11.7	758	10.3	7.78	7.1
USR	Maximum	26.9	4879	14.4	8.58	82.5
	Minimum	-0.4	569	7.1	7.35	0
	Median	13.0	950	11.3	8.21	2.8
GRT	Maximum	21.4	887	14.3	8.08	92.3
	Minimum	-0.2	337	3.1	7.57	1.0
	Median	8.2	596	10.2	7.81	10.9
SHA	Maximum	22.3	634	14.8	8.83	47.9
	Minimum	-0.3	268	4.0	7.63	1.1
	Median	11.3	509	11.5	7.93	8.8
HST	Maximum	20.5	7172	13.8	9.10	30.1
	Minimum	-0.2	489	8.4	7.40	0.6
	Median	6.9	691	11.7	7.82	7.8
OWT	Maximum	21.7	807	13.6	8.32	30.0
	Minimum	-0.1	225	4.3	7.54	3.3
	Median	8.2	554	10.6	7.95	10.5
NWT	Maximum	21.8	843	13.7	8.22	61.4
	Minimum	-0.3	232	4.0	7.60	5.7
	Median	8.3	547	10.3	7.89	17.7

<sup>a</sup> Differences in temperatures between sites reflect that samples were typically collected in the same order between 7:30 AM and 5PM. On two sampling days the order of collection was changed and no difference in patterns of contaminants was observed.

Sampling occurred on the following dates: 4/22/13, 4/29/13, 5/13/13, 6/03/13, 6/24/13, 7/15/13, 8/05/13, 8/26/13, 9/16/13, 10/28/13, 11/04/13, 11/18/13, 12/09/13, 12/16/13, 1/22/14, 2/03/14, 2/18/14, 2/25/14, 3/24/14, and 3/31/14.

Method 1 for the determination of sucralose and sulfamethoxazole.

Table S2. Method 1 Loading pump mobile phase gradient.

<b>Time (min)</b>	<b>A% (water)</b>	<b>B% (0.02% formic acid in water)</b>	<b>C% (acetonitrile)</b>	<b>Flow ml/min</b>
0	100	0	0	1
1	100	0	0	1
1.5	0	50	50	0.1
4	0	50	50	0.1
5	0	0	100	0.1
8	0	0	100	0.1
9	100	0	0	0.1

Table S3. Method 1 Chromatographic pump mobile phase gradient.

<b>Time (min)</b>	<b>A% (water)</b>	<b>B% (0.02% formic acid in water)</b>	<b>C% (acetonitrile)</b>	<b>%D (0.02% formic acid in methanol)</b>	<b>Flow ml/min</b>
0	55	15	30	0	0.30
3	50	5	35	10	0.30
12	10	5	75	10	0.30
14	5	15	80	0	0.30
15	0	5	95	0	0.30
18	0	5	95	0	0.30
21	55	15	30	0	0.3
24	55	15	30	0	0.3

Table S4. Method 1 MS/MS acquisition parameters

<b>Time window (min)</b>	<b>Mode</b>	<b>Collision energy</b>	<b>S lens</b>	<b>Transition</b>
5.9-6.85	negative	14	90	395.0→359.0
5.9-6.85	negative	14	90	399.0→361.0
5.9-6.85	negative	14	90	401.0→365.1
6.85-8.25	positive	14	73	254.0→156.0
6.85-8.25	positive	14	73	254.0→188.1
6.85-8.25	positive	14	73	258.1→192.1

Method 2 for the determination of testosterone, progesterone, estriol, estrone, estradiol, ethynylestradiol, triclosan, and triclocarban

Table S5. Method 2. Mobile phase gradient

<b>Time (min)</b>	<b>A% (water)</b>	<b>B% (0.02% formic acid in water)</b>	<b>C% (acetonitrile)</b>	<b>%D (0.02% formic acid in methanol)</b>	<b>Flow ml/min</b>
0	55	15	30	0	0.30
3	50	5	35	10	0.30
12	10	5	75	10	0.30
14	5	15	80	0	0.30
15	0	5	95	0	0.30
18	0	5	95	0	0.30
21	55	15	30	0	0.3
24	55	15	30	0	0.3

Table S6. Method 2 MS/MS acquisition parameters.

Time window (min)	Collision energy	S lens	Scan width	Scan time	Transition
5.6-8.0	24	93	0.2	0.2	289.21→97.29
5.6-8.0	24	93	0.2	0.2	289.21→109.11
5.6-8.0	24	93	0.2	0.2	292.21→97.29
8.0-10.9	36	tune	0.2	0.1	315.18→97.00
8.0-10.9	36	tune	0.2	0.1	315.18→109.00
8.0-10.9	36	tune	0.2	0.1	324.2→100.00
8.0-10.9	17	Tune	0.2	0.1	315.03→127.00
8.0-10.9	17	Tune	0.2	0.1	315.03→162.10
8.0-10.9	17	tune	0.2	0.1	323.03→127.00
10.9-12.0	35	tune	0.1	0.1	522.25→171.1
10.9-12.0	35	tune	0.1	0.1	522.25→443.2
10.9-12.0	35	tune	0.1	0.1	525.3→446.3
12.0-14.3	28	tune	0.1	0.1	506.25→171.1
12.0-14.3	28	tune	0.1	0.1	506.25→442.2
12.0-14.3	28	tune	0.1	0.1	512.25→448.3
12.0-14.3	28	tune	0.1	0.1	530.25→171.1
12.0-14.3	28	tune	0.1	0.1	530.25→453.2
12.0-14.3	28	tune	0.1	0.1	532.25→453.3
14.3-15.8	30	tune	0.1	0.1	504.25→171.1
14.3-15.8	30	tune	0.1	0.1	504.25→425.15
14.3-15.8	30	tune	0.1	0.1	510.25→446.2
14.3-15.8	30	tune	0.1	0.1	522.0→171.1
14.3-15.8	30	tune	0.2	0.1	522.0→282.1
14.3-15.8	30	tune	0.1	0.1	531.0→171.1
15.8-19.0	33	tune	0.1	0.1	695.2→368.2
15.8-19.0	33	tune	0.1	0.1	695.2→461.2
15.8-19.0	33	tune	0.2	0.1	703.2→469.2
15.8-19.0	33	tune	0.1	0.1	709.2→475.2