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## Supplementary material for Manuscript “Micropollutants in Urban Stormwater Runoff of Different Land Uses”

### Tables

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Table S2: Results of Shapiro-Wilk test to test for normal distributions of concentrations per catchment type (prerequisite for application of analysis of variance (ANOVA)).

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Table S4: Overview of results of statistical analysis to evaluate the statistical significance of concentration differences.

Red: concentrations significantly higher to at least 2 catchments, blue: concentrations significantly lower to at least 2 catchments.

### Figures

Figure S1: Schematic view of preparation of volume-proportional composite sample incorporating flow data measured in respective storm sewer during sampled rain event.

**Table S1.** List of monitored substances, analytical methods, and limit of quantification (LOQ).

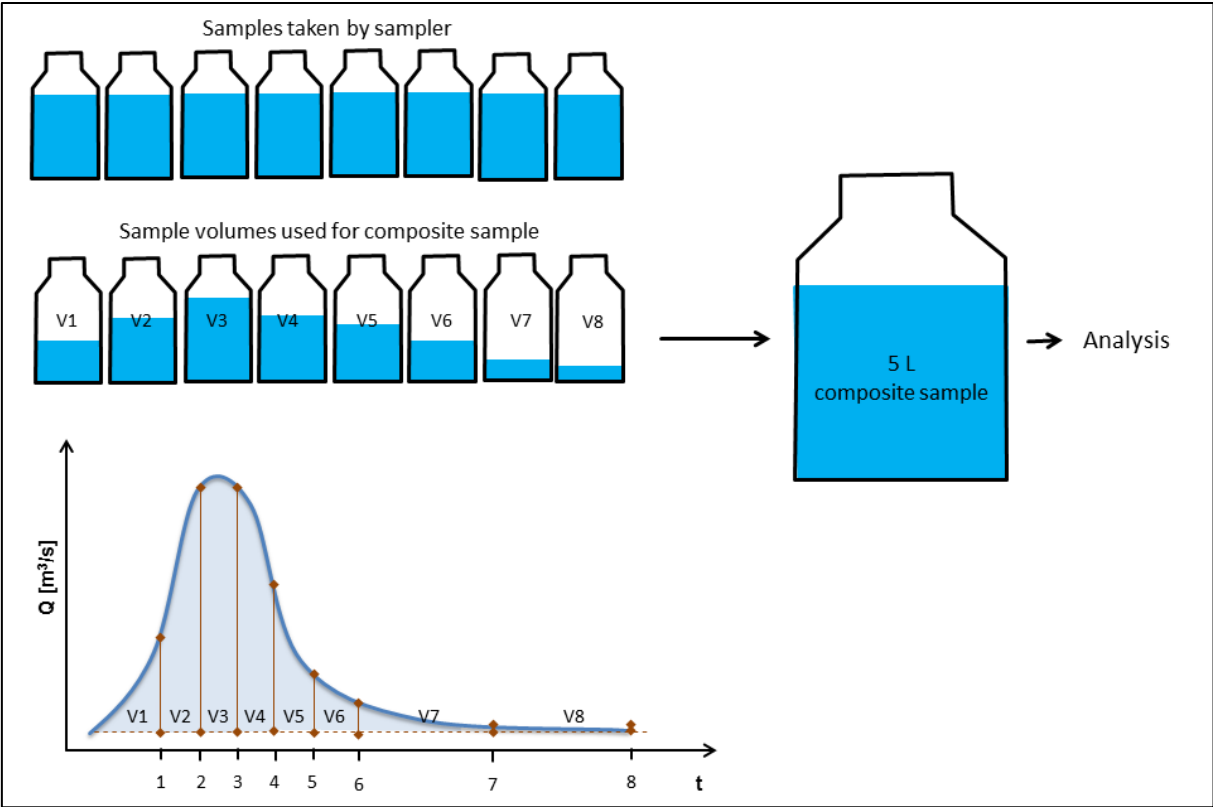
Substance group	Substance	Device <sup>1</sup>	Method	Unit	LOQ
<b>Standard parameters</b>	BOD <sub>5</sub>		DIN EN 1899-1	mg L <sup>-1</sup>	3
	COD	photometric (cuvette)	DIN ISO15705	mg L <sup>-1</sup>	
	o-PO <sub>4</sub>	photometric	DIN EN 1189	mg L <sup>-1</sup>	0.01
	P (total)	ICP-AES	DIN EN ISO 11885	mg L <sup>-1</sup>	0.03
	TSS		DIN EN 872	mg L <sup>-1</sup>	
	NH <sub>4</sub> -N		DIN 38 406-E05-1	mg L <sup>-1</sup>	0.04
<b>Heavy metals</b>	Pb	ICP-AES or ICP-MSMS	DIN EN ISO 11885	µg L <sup>-1</sup>	10 or 0.5
	Cd	ICP-MSMS	DIN EN ISO 11885	µg L <sup>-1</sup>	0.05
	Cr	ICP-MSMS	DIN EN ISO 11885	µg L <sup>-1</sup>	0.2
	Cu	ICP-AES	DIN EN ISO 11885	µg L <sup>-1</sup>	10
	Ni	ICP-MSMS	DIN EN ISO 11885	µg L <sup>-1</sup>	0.5
	Ti	ICP-AES	DIN EN ISO 11885	µg L <sup>-1</sup>	2
	V	ICP-MSMS	DIN EN ISO 11885	µg L <sup>-1</sup>	0.1
	Zn	ICP-AES	DIN EN ISO 11885	µg L <sup>-1</sup>	15
<b>Tracer substances</b>	Caffeine	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
	Carbamazepine	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	Acesulfame	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
	FAA	LC-MSMS or LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	Gabapentin	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
<b>Organophosphorus flame retardants (OPs)</b>	TBP	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
	TCEP	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
	TCP	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
	TDCEP	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
	TBEP	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
<b>Phthalates</b>	Benzylbutylphthalate	GC-MSMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.3
	Dibutylphthalate	GC-MSMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.5
	Diethylphthalate	GC-MSMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.3
	Dimethylphthalate	GC-MSMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.3
	Dioctylphthalate	GC-MSMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.5
	DEHP	GC-MSMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.2
	DIDP + DINP	GC-MSMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.5
<b>Biocides/pesticides</b>	Carbendazim	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	Cybutryne	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	Diazinon	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	Diuron	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
	Tebuconazole	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	2,4-D	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	2,6-DCBA	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
	AMPA	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.1
	Glyphosate	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	Isoproturon	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
	Mecoprop	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	Terbutryn	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.01
	Thiacloprid	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.02
	DEET	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.04
	Imidacloprid	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.05
	Simazine	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
	Terbuthylazine	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
	Desethylterbuthylazine	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03

Substance group	Substance	Device <sup>1</sup>	Method	Unit	LOQ
Industrial chemicals	BIT	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
	OIT	LC-MSMS	DIN 38407-F36	µg L <sup>-1</sup>	0.03
	Benzothiazole	LC-HRMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.05
	MTBT	LC-HRMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.05
	OH-Benzothiazole	LC-HRMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.02
	Benzotriazoles	LC-HRMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.05
	Tolyltriazoles	LC-HRMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.03
	PFOA	LC-HRMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.01
	PFOS	LC-HRMS	DIN EN ISO 18856	µg L <sup>-1</sup>	0.05
	Nonylphenols	GC-MS	DIN EN ISO 18857-2	µg L <sup>-1</sup>	5
	2-Phenylphenol	GC-MS	DIN EN ISO 18857-2	µg L <sup>-1</sup>	0.3
	4-tert-Octylphenol	GC-MS	DIN EN ISO 18857-2	µg L <sup>-1</sup>	0.4
	4-tert-Butylphenol	GC-MS	DIN EN ISO 18857-2	µg L <sup>-1</sup>	0.1
	Bisphenol F	GC-MS	DIN EN ISO 18857-2	µg L <sup>-1</sup>	0.3
	Bisphenol A	GC-MS	DIN EN ISO 18857-2	µg L <sup>-1</sup>	0.2
Fuel additive	MTBE			µg L <sup>-1</sup>	0.03
Other	Nicotine	LC-HRMS	DIN 38407-F36	µg L <sup>-1</sup>	0.2
Polycyclic aromatic hydrocarbons (PAHs)	Naphthalene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.05
	Acenaphthylene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.05
	Acenaphthene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.05
	Fluorene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Phenanthrene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Anthracene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Fluoranthene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Pyrene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Benzo[a]anthracene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Chrysene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Benzo[b]fluoranthene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Benzo[k]fluoranthene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Benzo[a]pyrene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.005
	Dibenz[a,h]anthracene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Benzo[g,h,i]perylene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	Indeno[1,2,3-c,d]pyrene	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
	PAH 16 EPA	GC-MSMS	DIN 38407-F39	µg L <sup>-1</sup>	0.01
Organotin compounds	Monobutyltin			µg L <sup>-1</sup>	0.01
	Dibutyltin			µg L <sup>-1</sup>	0.01
	Tributyltin			µg L <sup>-1</sup>	0.01
	Tetrabutyltin			µg L <sup>-1</sup>	0.01
	Triphenyltin			µg L <sup>-1</sup>	0.01
Polybrominated diphenyl ethers (PBDEs)	BDE 28			µg L <sup>-1</sup>	0.01
	BDE 47			µg L <sup>-1</sup>	0.01
	BDE 99			µg L <sup>-1</sup>	0.01
	BDE 100			µg L <sup>-1</sup>	0.01
	BDE 153			µg L <sup>-1</sup>	0.01
	BDE 154			µg L <sup>-1</sup>	0.01
	Decabromodiphenyl ether			µg L <sup>-1</sup>	0.05
Polychlorinated biphenyls (PCBs)	Congener 28			µg L <sup>-1</sup>	0.05
	Congener 52			µg L <sup>-1</sup>	0.05
	Congener 101			µg L <sup>-1</sup>	0.05
	Congener 118			µg L <sup>-1</sup>	0.05

Substance group	Substance	Device <sup>1</sup>	Method	Unit	LOQ
	Congener 138			µg L <sup>-1</sup>	0.05
	Congener 153			µg L <sup>-1</sup>	0.05
	Congener 180			µg L <sup>-1</sup>	0.05

**orange coloured:** never detected, therefore measurements were stopped after three months of monitoring.

<sup>1</sup>ICP-AES: Inductively Coupled Plasma - Atomic Emission Spectrometry  
ICP-MSMS: Inductively Coupled Plasma – Tandem Mass Spectrometry  
LC-MSMS: Liquid Chromatography – Tandem Mass Spectrometry  
LC-HRMS: Liquid Chromatography – High Resolution Mass Spectrometry  
GC-MS: Gas Chromatography – Mass Spectrometry  
GC-MSMS: Gas Chromatography – Tandem Mass Spectrometry



**Figure S1.** Schematic view of preparation of volume-proportional composite sample incorporating flow data measured in respective storm sewer during sampled rain event.

**Table S2.** Results of Shapiro–Wilk test to test for normal distributions of concentrations per catchment type (prerequisite for application of analysis of variance (ANOVA)).

		p-values for normal distribution (ND) (Shapiro-Wilk Test)						
Compound		OLD	NEW	OFH	STR	COM	ND	
<b>Metals</b>								
	Cu	0.00011	0.0068	0.65	0.0093	$1.7 \times 10^{-9}$	no	
	Zn	0.000048	0.0024	0.0099	0.014	$3.5 \times 10^{-9}$	no	
	Pb	0.000098	0.0072	0.73	0.0065	$3.6 \times 10^{-8}$	no	
	Ti	0.00043	0.00021	0.26	0.021	$2.2 \times 10^{-9}$	no	
	V	0.0025	0.0088	0.97	0.063	0.000015	no	
	Cr	0.029	0.0046	0.16	0.022	0.0000024	no	
	Ni	0.0066	0.0053	0.61	0.044	0.00012	no	
	Cd	0.022	0.048	0.89	0.32	0.000088	no	
<b>Tracer substances</b>								
	Caffeine	0.0059	0.053	0.031	0.000028	0.11	no	
	Acesulfame	0.00078	-	0.0022	-	0.0000005	no	
<b>Organophosphates</b>								
	TCPP	0.0045	0.22	-	0.0088	0.0000025	no	
	TBEP	0.0086	0.0039	0.25	0.31	$1.3 \times 10^{-8}$	no	
<b>Phthalates</b>								
	Diethylhexylphthalate	$6.8 \times 10^{-8}$	0.0051	0.039	0.00093	0.0000025	no	
	DIDP + DINP	0.00019	0.029	0.62	0.0063	0.000018	no	
<b>Biocides/Pesticides</b>								
	Mecoprop	0.00000037	0.0000081	0.0004	-	0.0000093	no	
	Diuron	0.0011	-	0.013	-	-	no	
	Carbendazim	0.00025	-	0.000027	-	0.0099	no	
	Terbutryn	0.00082	-	0.0076	-	0.14	no	
	Glyphosat	0.00000035	0.0013	0.0046	0.000015	0.00000022	no	
<b>Industrial chemicals</b>								
Benzothiazoles								
	Benzothiazol	0.9	0.17	0.18	0.059	0.27	yes	
	MTBT	0.00079	0.69	0.012	0.23	0.39	no	
	Hydroxybenzothiazol	0.1	0.019	0.023	0.0049	0.044	no	
Benzotriazoles								
	Benzotriazole	$4.9 \times 10^{-8}$	0.042	0.85	0.31	0.0046	no	
	Tolyltriazoles	0.0000024	0.04	0.011	0.21	0.0000014	no	
<b>PAH</b>								
	Chrysene	0.000011	0.000013	0.0085	0.93	0.21	no	
	PAH 16 EPA	0.00021	0.0001	0.0037	0.076	0.13	no	
	Benzo[a]pyrene	0.000018	-	0.00073	0.021	0.0018	no	
	Benzo[a]anthracene	0.0028	0.0026	0.025	0.81	0.22	no	
	Benzo[g,h,i]perylene	0.000047	-	0.00019	0.12	0.0013	no	
	Pyrene	0.000037	0.000014	0.0021	0.018	0.022	no	
	Benzo[k]fluoranthene	0.000051	-	-	0.018	0.00009	no	
	Indeno[1,2,3-c,d]pyrene	0.013	0.0002	0.0059	0.083	0.13	no	
	Anthracene	0.00023	-	-	0.0061	0.003	no	
	Fluoranthene	0.000065	0.000024	0.0033	0.011	0.034	no	
	Fluorene	0.0035	-	-	0.0014	-	no	
	Dibenz[a,h]anthracene	0.000049	-	-	0.02	-	no	
	Benzo[b]fluoranthene	0.0044	0.0026	0.042	0.83	0.77	no	
	Phenanthrene	0.011	0.000062	0.0048	0.22	0.16	no	
<b>Others</b>								
	Nicotine	0.00052	0.00014	-	0.0082	0.000023	no	

**Table S3.** Results of Kruskal–Wallis test and Dunn test to test for significance of concentration differences between catchment types.

Compound		Kruskal–Wallis Test (KWT)		Dunn Test (p-values)									
		p-value all catch- ment	Signif- icant differ- ences	OLD- NEW	OLD- OFH	NEW- OFH	OLD- STR	NEW-STR	OFH- STR	OLD- COM	NEW- COM	OFH- COM	STR- COM
Metals	TSS	1.1 × 10 <sup>-6</sup>	Yes	0.17	0.32	0.14	4 × 10 <sup>-4</sup>	6 × 10 <sup>-7</sup>	0.01	0.27	0.54	0.23	2 × 10 <sup>-6</sup>
	COD	7.1 × 10 <sup>-5</sup>	Yes	0.63	0.71	0.87	0.0026	1 × 10 <sup>-4</sup>	0.005	0.36	0.38	0.81	2 × 10 <sup>-5</sup>
	BOD	2.5 × 10 <sup>-2</sup>	Yes	0.38	0.81	0.61	0.4	0.41	0.79	0.0052	0.41	0.39	0.93
	TP	3.4 × 10 <sup>-9</sup>	Yes	0.0051	0.27	0.0044	0.13	7 × 10 <sup>-5</sup>	0.42	6 × 10 <sup>-5</sup>	0.34	1 × 10 <sup>-4</sup>	4 × 10 <sup>-7</sup>
	PO <sub>4</sub> -P	4.2 × 10 <sup>-3</sup>	yes	0.18	0.68	0.032	0.55	0.32	0.19	0.026	0.51	0.0047	0.47
	Cu	3.1 × 10 <sup>-13</sup>	yes	0.2	0.0084	0.14	1 × 10 <sup>-5</sup>	0.0047	0.18	1 × 10 <sup>-13</sup>	1 × 10 <sup>-7</sup>	0.0042	0.085
	Zn	7.9 × 10 <sup>-21</sup>	yes	5 × 10 <sup>-12</sup>	2 × 10 <sup>-5</sup>	0.065	0.03	0.0009	0.1	0.11	3 × 10 <sup>-18</sup>	1 × 10 <sup>-8</sup>	0.0005
	Pb	2.1 × 10 <sup>-7</sup>	yes	0.0008	0.2	0.15	0.34	0.0002	0.27	0.06	2 × 10 <sup>-8</sup>	0.054	0.5
Tracer substances	Ti	8.3 × 10 <sup>-8</sup>	yes	0.27	0.63	0.21	7 × 10 <sup>-6</sup>	1 × 10 <sup>-8</sup>	0.0006	0.41	0.3	0.75	2 × 10 <sup>-6</sup>
	V	2.5 × 10 <sup>-5</sup>	yes	0.42	1	1	0.0004	0.0003	0.16	0.66	1	0.96	0.0009
	Cr	4.5 × 10 <sup>-7</sup>	yes	0.41	0.58	0.34	2 × 10 <sup>-5</sup>	1 × 10 <sup>-7</sup>	0.011	0.49	0.081	0.45	0.0004
	Ni	1.2 × 10 <sup>-5</sup>	yes	0.49	0.39	0.49	6 × 10 <sup>-5</sup>	5 × 10 <sup>-5</sup>	0.12	0.017	0.018	0.44	0.13
	Cd	1.5 × 10 <sup>-7</sup>	yes	1	0.47	0.91	0.027	0.015	0.12	1 × 10 <sup>-5</sup>	3 × 10 <sup>-6</sup>	0.0055	0.39
	Caffeine	8.1 × 10 <sup>-4</sup>	yes	0.0061	0.028	0.83	0.3	0.36	0.46	0.42	0.0034	0.019	0.25
	Acesulfame	0.257	no										
	Organophosphates												
Phthalates	TCPP	0.24	no										
	TBEP	1 × 10 <sup>-9</sup>	yes	0.0655	3 × 10 <sup>-8</sup>	0.0004	5 × 10 <sup>-7</sup>	0.0023	0.29	0.012	0.43	0.0038	0.0142
Biocides/Pesticides	DEHP	1.4 × 10 <sup>-4</sup>	yes	0.38	0.3	0.49	0.011	0.0004	0.0017	0.18	0.014	0.032	0.35
	DIDP + DINP	2.3 × 10 <sup>-9</sup>	yes	0.1	0.34	0.61	0.0016	2 × 10 <sup>-6</sup>	0.0001	0.0018	1 × 10 <sup>-6</sup>	0.0001	0.31
Benzothiazoles	Mecoprop	1.7 × 10 <sup>-3</sup>	yes	0.4607	0.0199	0.0747	-	-	-	0.0023	0.0207	0.3791	-
	Diuron	2.0 × 10 <sup>-2</sup>	yes	-	0.0203	-	-	-	-	-	-	-	-
	Carbendazim	2.0 × 10 <sup>-4</sup>	yes	-	0.0223	-	-	-	-	0.0001	-	0.1015	-
	Terbutryn	5.0 × 10 <sup>-11</sup>	yes	-	0.468	-	-	-	-	0.0011	-	0.003	-
	Glyphosat	3.5 × 10 <sup>-5</sup>	yes	4 × 10 <sup>-5</sup>	1	0.0041	0.83	0.0008	1	1	0.0005	0.43	1
Benzotriazoles	Benzothiazole	0.00015	yes	0.44	0.57	0.75	0.0004	0.0005	0.015	0.039	0.039	0.24	0.24
	MTBT	1.6 × 10 <sup>-8</sup>	yes	4 × 10 <sup>-5</sup>	0.3	0.0028	0.29	0.024	0.43	3 × 10 <sup>-7</sup>	0.61	0.0002	0.0022
PAH	Hydroxybenzothiazole	4.5 × 10 <sup>-7</sup>	yes	0.27	0.45	0.35	0.0001	2 × 10 <sup>-7</sup>	1 × 10 <sup>-5</sup>	0.51	0.077	0.22	0.0012
	Benzotriazole	6.7 × 10 <sup>-6</sup>	yes	0.27	0.002	0.04	0.34	0.073	0.0001	0.0034	0.063	0.28	0.0002
PAH	Tolyltriazoles	2.4 × 10 <sup>-6</sup>	yes	0.73	0.75	0.38	0.022	0.0046	0.025	0.0046	0.024	0.027	2 × 10 <sup>-7</sup>
	Chrysene	2.5 × 10 <sup>-5</sup>	yes	0.0092	0.012	0.83	0.07	2 × 10 <sup>-5</sup>	5 × 10 <sup>-5</sup>	0.43	0.014	0.015	0.065
Others	PAH 16 EPA	2.8 × 10 <sup>-7</sup>	yes	0.0019	0.0035	0.43	0.08	4 × 10 <sup>-6</sup>	1 × 10 <sup>-5</sup>	0.48	0.016	0.02	0.023
	Benzo[a]pyrene	4.0 × 10 <sup>-4</sup>	yes	-	0.008	-	0.1014	-	0.0001	0.1125	-	0.0932	0.0146
	Benzo[a]anthracene	3.5 × 10 <sup>-5</sup>	yes	0.0066	0.008	0.4	0.11	3 × 10 <sup>-5</sup>	6 × 10 <sup>-5</sup>	0.7	0.019	0.018	0.069
	Benzo[g,h,i]perylene	5.0 × 10 <sup>-4</sup>	yes	-	0.008	-	0.1161	-	0.0002	0.1148	-	0.0935	0.0183
	Pyrene	5.1 × 10 <sup>-7</sup>	yes	0.0029	0.0057	0.44	0.071	5 × 10 <sup>-6</sup>	2 × 10 <sup>-5</sup>	0.57	0.016	0.021	0.028
	Benzo[k]fluoranthene	1.0 × 10 <sup>-2</sup>	yes	-	-	-	0.037	-	-	0.1354	-	-	0.0036
	Indeno[1,2,3-c,d]py-	7.0 × 10 <sup>-6</sup>	yes	0.0031	0.0099	0.5	0.22	6 × 10 <sup>-5</sup>	0.0003	0.65	0.012	0.026	0.13
	Anthracene	2.2 × 10 <sup>-2</sup>	yes	-	-	-	0.13	-	-	0.076	-	-	0.0089
	Fluoranthene	1.5 × 10 <sup>-7</sup>	yes	0.001	0.0034	0.48	0.088	2 × 10 <sup>-6</sup>	2 × 10 <sup>-5</sup>	0.55	0.0072	0.015	0.033
	Fluorene	0.55	no										
	Dibenz[a,h]anthracene	1.2 × 10 <sup>-2</sup>	yes	-	-	-	0.012	-	-	-	-	-	-
	Benzo[b]fluoranthene	3.3 × 10 <sup>-7</sup>	yes	0.0059	0.01	0.46	0.03	2 × 10 <sup>-6</sup>	1 × 10 <sup>-5</sup>	0.86	0.01	0.015	0.028
	Phenanthrene	3.1 × 10 <sup>-7</sup>	yes	0.0008	0.0005	0.28	0.26	2 × 10 <sup>-5</sup>	1 × 10 <sup>-5</sup>	0.2	0.035	0.02	0.034

**Table S4.** Overview of results of statistical analysis to evaluate the statistical significance of concentration differences. Red: concentrations significantly higher in comparison to at least 2 catchments, blue: concentrations significantly lower in comparison to at least 2 catchments.

	OLD	NEW	OFH	STR	COM
<b>Standard parameters</b>					
o-PO4-P					
P					
COD					
TSS					
BOD					
<b>Metals</b>					
Cu					
Zn					
Pb					
Ti					
V					
Cr					
Ni					
Cd					
<b>Tracer substances</b>					
Acesulfam					
Caffeine					
<b>Organophosphates</b>					
TCPP					
TBEP					
<b>Phthalates</b>					
DEHP					
DIDP + DINP					
<b>Pesticides/Biocides</b>					
Mecoprop					
Diuron					
AMPA					
Carbendazim					
Terbutryn					
Isoproturon					
Glyphosat					
<b>Industrial chemicals</b>					
Hydroxybenzothiazole					
Tolyltriazole					
PFOA					
Benzotriazole					
Benzo[thiazole					
MTBT					
4-tert-Butylphenol					
<b>PAH</b>					
Chrysene					
Sum of PAH 16					
Benzo[a]pyrene					
Benzo[a]anthracene					
Benzo[g,h,i]perylene					
Pyrene					
Benzo[k]fluoranthene					
Indeno[1,2,3-c,d]pyrene					
Anthracene					
Dibenz[a,h]anthracene					
Fluoranthene					
Fluorene					
Benzo[b]fluoranthene					
Phenanthrene					