

Table S2: Overview of samples taken including measured concentrations of substances. For duplicates, mean concentrations of the two samples are shown. For LOD and LOQ refer to Table 2. Data was used in Fig. 5-10.

Step	Sample type	Sample location	Name	Sampling date	Additional duplicates	Measured concentration of substances in ng L-1						
						diuron	terbutryn	OIT	diuron- desmethyl	terbuthylazine-2- hydroxy	terbutryn- desethyl	terbumeton
1	Event samples	Swale	Swale	2015-11-20	1	173.85	40.19	below LOD	below LOD	7.31	335.79	below LOD
	Event samples	Swale	Swale	2016-02-09		3.61	12.65	below LOQ	4.04	19.69	42.88	below LOD
	Event samples	Swale	Swale	2016-11-06		0.56	6.24	below LOQ	2.1	below LOD	below LOD	0.27
	Event samples	Swale	Swale	2017-05-19		4.45	6.14	below LOQ	below LOD	47.59	61.58	below LOD
2 Part 1	Event samples	Rain downpipes	R1	2020-03-10	1	below LOD	13.8	below LOD	below LOD	below LOD	33.9	below LOD
	Event samples	Rain downpipes	R1	2020-05-11		below LOD	17.87	below LOD	below LOD	below LOQ	2.2	below LOD
	Event samples	Rain downpipes	R1	2020-06-28		below LOD	65.3	below LOD	below LOD	155.8	16.4	0.87
	Event samples	Rain downpipes	R2	2020-02-11		below LOQ	5.8	below LOD	below LOQ	below LOQ	below LOD	below LOD
	Event samples	Rain downpipes	R2	2020-03-10	1	below LOD	8.4	below LOD	below LOD	below LOQ	below LOD	below LOD
	Event samples	Rain downpipes	R2	2020-05-11		below LOQ	6.1	below LOD	below LOD	50	below LOQ	below LOD
	Event samples	Rain downpipes	R2	2020-06-28		below LOD	6.0	below LOD	below LOD	below LOQ	below LOD	below LOD
	Event samples	Rain downpipes	R4-P1	2019-11-29		1016.8	119.1	154.20	309.8	below LOQ	3	below LOD
	Event samples	Rain downpipes	R4-P1	2020-02-11	1	807.2	47.2	55.00	284	below LOQ	2.8	below LOD
	Event samples	Rain downpipes	R4-P1	2020-03-02	1	317.85	27.95	0.50	183.65	below LOQ	3.1	below LOD
	Event samples	Rain downpipes	R4-P1	2020-03-10	1	591.9	95.3	77.50	320.5	below LOD	3.8	below LOD
	Event samples	Rain downpipes	R4-P1	2020-06-28		257.5	13.2	0.50	269.2	below LOQ	2.3	below LOD
	Event samples	Rain downpipes	R4-P2	2020-02-11		685	49	60.40	below LOQ	below LOD	2.3	0.8
	Event samples	Rain downpipes	R4-P2	2020-03-02		248.8	98.4	below LOD	140.9	below LOD	7.21	below LOD
	Event samples	Rain downpipes	R4-P2	2020-03-10	1	304.6	17.4	33.00	179.7	below LOD	0.66	below LOD
	Event samples	Rain downpipes	R4-P2	2020-06-28	1	121.5	63.5	0.38	103.9	below LOD	7.5	below LOD
	Elution experiments	Facades	F2	2020-05-26	1	below LOD	below LOD	below LOD	below LOQ	136	below LOD	below LOD
	Elution experiments	Facades	F2	2020-05-26		below LOD	below LOD	below LOD	below LOQ	114.3	below LOD	below LOD
	Elution experiments	Facades	F4	2020-05-26		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Facades	F4	2020-05-26		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Facades	F5	2020-05-26	1	below LOD	33.6	below LOD	below LOD	2476.8	31.1	below LOD
	Elution experiments	Facades	F5	2020-05-26		below LOD	67.3	below LOD	below LOD	4159	64.1	below LOD
	Elution experiments	Roof materials	Wooden terraces	2020-07-06		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Wooden terraces	2020-07-06		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Wooden terraces	2020-07-06	1	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Wooden terraces	2020-07-06		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Wooden terraces	2020-07-06		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Wooden terraces	2020-07-06		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Wooden terraces	2020-07-06	1	below LOD	below LOD	16.30	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Railibelow LODs	2020-06-23		below LOD	0.6	4.50	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Railibelow LODs	2020-06-23		below LOD	0.6	2.00	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Roofibelow LOD foils	2020-06-23		below LOD	below LOD	6.90	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Roofibelow LOD foils	2020-06-23	1	below LOD	below LOD	1.70	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Roof access	2020-06-23		below LOD	0.4	below LOD	11.4	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Roof claddibelow LOD	2020-06-23		below LOD	below LOD	below LOD	12.3	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	Elevator shaft foil	2020-07-20		below LOD	below LOD	0.30	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Roof materials	grass foil	2020-07-20	1	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Newly painted roof facade	Newly painted roof facade	2020-07-20		2941	below LOD	2898.00	2457	below LOD	below LOD	below LOD
	Elution experiments	Newly painted roof facade	Newly painted roof facade	2020-07-20		2090	below LOD	2156.80	1649	below LOD	below LOD	below LOD
	Elution experiments	Newly painted roof facade	Newly painted roof facade	2020-07-20		3071	below LOD	2977.00	1699	below LOD	below LOD	below LOD
	Elution experiments	Old roof facade	Old roof facade	2020-07-20	1	143.6	below LOD	73.40	73.9	below LOD	below LOD	below LOD
	Elution experiments	Old roof facade	Old roof facade	2020-06-23		below LOD	below LOD	7.10	below LOD	below LOD	below LOD	below LOD
	Elution experiments	Old roof facade	Old roof facade	2020-06-23		below LOD	below LOD	7.50	below LOD	below LOD	below LOD	below LOD
	Leaching test	Wooden terrace	HO1	2020-06-02		below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
	Leaching test	Wooden terrace	HO2	2020-06-02	1	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD	below LOD
2 Part 2	Event samples	Drainage pipes	S9	2019-09-08	1	below LOD	70.5	below LOD	below LOD	below LOQ	1.7	below LOD
	Event samples	Drainage pipes	S9	2019-11-29	1	18	34.8	0.49	below LOQ	below LOD	11.1	below LOD
	Event samples	Drainage pipes	S9	2020-02-11	1	below LOQ	74.6	below LOD	21.2	below LOQ	3	below LOD
	Event samples	Drainage pipes	S9	2020-03-10		below LOD	53.9	below LOD	below LOD	below LOD	2.1	below LOD
	Event samples	Drainage pipes	P10	2019-07-28		below LOD	60.70	1.20	below LOD	48.6	18.5	below LOD
	Event samples	Drainage pipes	P10	2019-11-29		below LOD	152.6	below LOD	below LOD	93.3	20.2	below LOD
	Event samples	Drainage pipes	P10	2020-02-11	1	below LOD	67.4	below LOD	below LOD	below LOQ	18.8	below LOD
	Event samples	Drainage pipes	P10	2020-03-10		below LOD	164.8	below LOD	below LOD	98.2	31.1	below LOD
	Event samples	Drainage pipes	P11	2019-07-28		below LOD	12.3	below LOD	below LOD	67.8	4.4	below LOD
	Event samples	Drainage pipes	P11	2019-11-29		14.8	39.1	below LOD	below LOD	below LOQ	6.7	below LOD
	Event samples	Drainage pipes	P11	2020-02-11	1	16.7	38.8	below LOD	5.7	below LOQ	14.2	below LOD
	Event samples	Drainage pipes	P11	2020-03-10		15.9	40.3	below LOD	6.54	below LOD	12.1	below LOD