

Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
General compounds 010																						
0112	Water discharge	m3/s	529	834	381	248	344	270	137	71,5	77,7	164	574	395	328	41,7	71,5	272	327	715	1230	
0120	Water temperature	°C	8,8	4,8	7,5	7,4	15,6	14,7	20,8	20,5	17	15,4	10	7,6	13	4,8	5,84	14,7	13,1	22,3	23,5	
0122	Oxygen	mg/l	9,1	11,3	9,6	10,6	7,8	8,3	5,65	6,8	6,6	8,2	9,1	9,9	13	4,9	5,5	8,3	8,35	11	11,3	
0123	Oxygen saturation	%	77,1	87,7	79,3	87,3	72,3	76,4	51,8	63	61,5	75,9	78,8	81,9	13	44	50,3	76,4	72,7	87,6	87,7	
0126	Turbidity	FTE	14	7,4	2,2	2,4	2,2	4	1,66	3,8	8,3	5,9	6,3	6,4	13	0,22	1,01	4	5,09	11,7	14	
0128	Suspended matter	mg/l	2	8,27	3,8	3,9	7	6,2	<	6,47	4,6	2,1	3,6	4,2	16	26	<	3,8	5,77	12,3	22	
0130	Secchi depth	m	1,1	0,8	0	0	0,7	0	1,5	0	0	1,5	0,9	1,5	13	0	0	0,8	0,669	1,5	1,5	
0180	pH	pH	7,45	7,73	7,79	7,8	7,74	7,7	7,62	7,71	7,72	7,87	7,62	7,74	13	7,45	7,51	7,72	7,7	7,84	7,87	
0200	Conductivity (at 20 °C)	mS/m	36,6	41,9	44,8	45	46,9	44,6	47,3	55,5	57,5	57	41,2	45,5	21	34,1	36,4	45,1	46,8	57,3	57,5	
0204	Residue on ignition, 600 °C	mg/l	5	<	<	<	<	<	<	<	<	5,3	7,4	5,4	4	<	*	*	5,15	*	7,4	
0250	Total hardness	mmol/l	1,31	1,67	1,98	1,88	2,05	1,74	1,9	2,11	2,14	2,13	1,59	2,06	13	1,31	1,42	1,98	1,88	2,14	2,14	
0250R	Total hardness, (mg/l CaCO3)	mg/l	131	167	198	188	205	174	190	211	214	214	159	207	13	131	142	198	188	214	214	
Radio activity 020																						
0160	beta Radioactivity, total	Bq/l		0,11			0,1		0,12			0,105		5	0,1	*	*	0,108	*	0,12		
0161	alpha Radioactivity, total	Bq/l	0,1	<			<		<			<		5	<	*	*	<	*	<	<	
0162	Residual beta radioactivity (without K	Bq/l	0,04	<			<		<			<		5	<	*	*	<	*	<	<	
0164	Tritium (H-3)	Bq/l		4,8			12,8		9,9	12,5		7,8		6	4,5	*	*	9,27	*	12,8		
Inorganic compounds 030																						
0220	Carbon dioxide	mg/l	6,5	4,5	5	4,5	6	5,5	7	6	6	4,5	6	5,5	13	4,5	4,5	6	5,69	7	7	
0222	Bicarbonate	mg/l	151	129	200	167	178	198	197	200	207	201	142	194	13	129	134	194	180	205	207	
0230	Chloride	mg/l	31,7	32,3	40,7	37,2	37,4	29,1	39,2	56,2	60,5	57	28,9	31,9	26	23,8	26,1	37,2	39,8	57,9	64,1	
0230L	Chloride (load)	kg/s	18,4	15,8	17,5	8,13	12,5	7,19	6,15	4,95	6,65	9,21	16,8	8,03	24	4,48	4,74	9,16	11,3	20,8	28,9	
0232	Sulfate	mg/l	38	31	38	36	42	31	43	59	56	61	30	39	13	30	30,4	38	42,1	60,2	61	
0288	Silicate	mg/l	4,19	3,65	3,1	1,8	2,19	3,36	2,88	2,9	3,08	3,31	3,93	3,97	25	1,01	2,15	3,27	3,21	4,15	4,25	
0380	Bromide	mg/l	0,03	0,04	0,05	0,05	0,08	0,05	0,09	0,08	0,11	0,08	0,06	0,09	13	0,03	0,034	0,07	0,0692	0,11	0,11	
0382	Fluoride	mg/l	0,163	0,191	0,214	0,216	0,12	0,265	0,419	0,51	0,731	0,569	0,172	0,13	13	0,0434	0,078	0,214	0,294	0,666	0,731	
0386	Cyanide, total	µg/l	1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
0394	Bromate	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Nutrients		040																				
0271	Ammonium (NH4)	mg/l	0,427	0,215	0,315	0,14	0,16	0,12	0,18	0,115	0,15	0,12	0,125	0,14	26	0,09	0,1	0,155	0,193	0,439	0,54	
0274	Kjeldahl Nitrogen	mg/l	0,88	0,91	0,52	0,81	0,59	0,47	0,52	0,57	0,52	0,55	0,75	0,38	13	0,38	0,416	0,57	0,62	0,898	0,91	
0281	Nitrite-NO2	mg/l	0,202	0,106	0,148	0,104	0,15	0,111	0,114	0,0835	0,108	0,077	0,116	0,185	25	0,064	0,073	0,117	0,125	0,203	0,25	
0283	Nitrate-NO3	mg/l	16	15,8	15,7	14,8	12,3	11,3	12,1	12,3	12,6	14,1	12,9	16,9	25	11,1	11,3	13,5	13,8	16,9	17,7	
0284D	Orthophosphate (PO4)	mg/l	0,337	0,115	0,41		0,335	0,34	0,423	0,48	0,78	0,58	0,405	0,405	24	0,04	0,19	0,425	0,416	0,67	0,84	
0286D	Total phosphate (PO4)	mg/l	0,637	0,425	0,525	0,445	0,44	0,53	0,607	0,67	0,94	0,84	0,575	0,64	26	0,3	0,4	0,605	0,607	0,94	0,97	
Group compounds		070																				
0210	Anions	meq/l	3,7	4,36	5,41	5,04	5,65	4,59	5,34	6,35	6,56	6,55	4,07	5,36	13	3,7	3,85	5,36	5,25	6,56	6,56	
0212	Cations	meq/l	3,59	4,36	5,14	4,87	5,41	4,33	5,08	6,03	6,3	6,04	4,02	5,28	13	3,59	3,76	5,14	5,04	6,2	6,3	
0401	Total organic carbon (TOC)	mg/l	5,39	5,81	2,42	2,71	3,71	3,06	3,26	2,98	2,99	2,85	5,87	4,24	13	2,42	2,54	3,11	3,77	5,85	5,87	
0403	Dissolved organic carbon (DOC)	mg/l	5,29	5,78	2,23	2,88	3,45	2,94	3,02	3	3	2,72	5,58	3,07	13	2,23	2,43	3	3,57	5,7	5,78	
0404	Chemical oxygen demand (COD)	mg/l	10	10	<	<	<	<	<	11	<	<	13	13	13	<	<	<	<	13	13	
0406	Biochemical oxygen demand (BOD5)	mg/l	0,5	1,7	2	2	1,3	1,33	1,3	<	1,2	0,99	1,1	1,8	13	<	<	1,3	1,28	2	2	
0429	Hydrocarbons (GC method)	µg/l	50	<	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
0430	Adsorbable organohalogen compou	µg/l		14,5			7		10,5	11			12,5	6	7	*	*	11,3	*	14,5		
0432	Extractable organohalogen compoun	µg/l	1	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	<	
0466	Cholinesterase inhibitors	µg/l	0,1	<	<	0,1	<	<	0,1	<	<	<	0,2	13	<	<	<	<	0,16	0,2		
Summend compounds		080																				
0451	Trihalomethanes, total	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
0459	PAH, total (6 of Borneff)	µg/l	0,0149	<	0,0265	0,0197	0,0203	0,0221	0,0209	0,022	0,0182	0,0252	0,0215	0,0303	13	<	<	0,0215	0,0211	0,0287	0,0303	
0460	PAH, total of 16 EPA compounds	µg/l	0,4	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	<	
0461	PAH, total of 10 "waterleidingbesluit"	µg/l	0,0249	<	0,0564	0,0387	0,0383	0,0423	0,038	0,0367	0,0328	0,0452	0,0314	0,0507	13	<	<	0,038	0,038	0,0542	0,0564	
2022	Tetra- and Trichloroethene (sum)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
2144	2,3,4,6- and 2,3,5,6-Tetrachlorophen	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
V111	Complexbuilders (sum)	µg/l	7,5	11	<	12	<	10	<	7,87	11	12	<	<	13	<	<	10	7,81	12	12	
V329	Trichlorobenzenes (sum of 3 isomer	µg/l	1,5	<	<	<	<	<	<	<	<	<	<	<	83	<	<	<	<	<	<	
V330	hexachloorcyclohexaan (sum of 5 iso	µg/l	0,125	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
Biological compounds		090																			
0614	Coliform bacteria, (37 °C, confirmed) n/100 ml	3000	2400	260	34	617	180	100	1300	240	290	3400	430	13	33	33,4	290	990	3240	3400	
0618	Coliform bacteria, total (37 °C) n/ml	16	16	35	0,75	0,12	0,51	27	0,71	12	8,1	23	0,15	13	0,12	0,132	12	12,8	39,2	42	
0618R	Coliform bacteria, (37 °C, not conf.) n/ml	16	18	35	0,83	0,17	0,51	27,5	0,71	12	8,1	23	0,15	13	0,15	0,158	12	13	39,2	42	
0624	thermotol.bact. Coli group bact. (44 ° n/100 ml	1200	1200	43	15	74	10	96	1300	34	53	500	140	13	8	8,8	96	365	1260	1300	
0626	Escherichia coli (confirmed) n/100 ml	1	760	1200	<	7	<	<	260	96	170	2700	<	13	<	<	7	400	2100	2700	
0628	Escherichia coli n/ml	6,4	5,4	10	0,17	0,08	0,26	7,8	0,28	8,4	1,6	14	0	13	0	0,032	2,6	4,78	13,6	14	
0634	Enterococcus n/100 ml	1	140	360	39	9	26,7	2	8	29	10	11	120	13	<	1,1	20	61,7	272	360	
0645	spores sulfite-reducing clostridia n/ml	2,1	3,8	0,63	0,79	0,87	0,6	0,87	0,73	1,19	3	2,2	0,5	13	0,5	0,54	0,87	1,4	3,48	3,8	
0657	Enterococci n/ml	1,9	1,3	4,5	0,02	0,06	0,02	0,295	0,06	1,8	0,2	0,68	0,6	13	0,02	0,02	0,31	0,902	3,46	4,5	
0657R	Enterococcus (not conf.) n/ml	1,9	1,3	4,5	0,02	0,06	0,02	0,295	0,06	1,8	0,2	0,68	0,6	13	0,02	0,02	0,31	0,902	3,46	4,5	
0661	Somatic coliphages n/l	12300		5340	9900	4000	2340	6700		580				7	580	*	*	5880	*	12300	
Hydrobiological compounds		095																			
7100	Chlorophyll-a µg/l	2	<	<	<	<	3,6	4,9	<	<	<	<	<	13	<	<	<	<	4,38	4,9	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
Metals																					
	050																				
0240 Sodium	mg/l	17	20	25	24	28	17	26	38	43	37	16	24	13	16	16,4	24	26,2	41	43	
0242 Potassium	mg/l	6,8	3,9	4,1	3,5	3,7	3,1	4,25	4,85	5,1	4,7	4	4,1	15	3,1	3,34	4,1	4,35	5,78	6,8	
0244 Calcium	mg/l	43	58	68	64	70	60	65	71	72	73	55	71	13	43	47,8	68	64,2	72,6	73	
0246 Magnesium	mg/l	5,7	5,5	6,8	6,8	7,4	5,8	6,75	8,2	8,3	7,6	5,3	7,1	13	5,3	5,38	6,8	6,77	8,26	8,3	
0300 Iron	mg/l	0,93	0,59	0,24	0,29	0,26	0,29	0,365	0,23	0,45	0,18	0,49	0,41	13	0,18	0,2	0,3	0,392	0,794	0,93	
0304 Manganese	mg/l	0,0807	0,0505	0,0505	0,0492	0,0396	0,0365	0,0347	0,0383	0,037	0,0294	0,0376	0,0474	26	0,0415	0,0237	0,041	0,0437	0,066	0,0814	
0306 Manganese	µg/l	81,4	40,9	41	48,3	34,4	22,9	4,15	36,6	24	28,8	25,1	34,7	13	4,15	11,7	34,7	35,1	68,2	81,4	
0310 Aluminium	µg/l	339	570	155	43,4	208	14,7	154	123	67,8	171	335	563	13	14,7	26,2	155	227	567	570	
0312 Antimony	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
0314 Arsenic	µg/l	0,857	0,88	0,641	0,545	0,743	0,806	1,01	1,17	1,13	1,12	1,03	0,891	13	0,545	0,583	0,88	0,89	1,15	1,17	
0316 Barium	µg/l	25,1	23,4	21,9	21,2	22,9	23,5	28,3	31,6	27,2	28,5	21,8	24,8	13	21,2	21,2	24,6	24,9	30,4	31,6	
0318 Beryllium	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
0322 Boron	mg/l	0,0293	0,0255	0,028	0,0315	0,031	0,0275	0,0373	0,0465	0,043	0,045	0,036	0,0325	26	0,023	0,0264	0,032	0,0343	0,046	0,047	
0322 Boron	mg/l	0,0293	0,0255	0,028	0,0315	0,031	0,0275	0,0373	0,0465	0,043	0,045	0,036	0,0325	26	0,023	0,0264	0,032	0,0343	0,046	0,047	
0324 Cadmium	µg/l	0,05	0,0969	0,101	0,0738	<	0,0714	<	0,0626	0,0733	0,0547	0,0895	0,0704	13	<	<	0,0733	0,0759	0,144	0,172	
0326 Chromium	µg/l	0,5	1,26	1,48	0,791	<	0,563	<	0,624	0,527	<	0,897	0,968	13	<	<	0,791	0,781	1,63	1,73	
0328 Cobalt	µg/l	0,828	0,824	0,295	0,24	0,305	0,154	0,287	0,262	0,208	0,272	0,394	0,487	13	0,154	0,176	0,287	0,374	0,826	0,828	
0330 Copper	µg/l	3,19	3,35	2,26	2,18	2,99	2,04	3,19	2,65	2,13	2,92	3,36	3,49	13	2,04	2,08	2,97	2,83	3,44	3,49	
0332 Mercury	µg/l	0,00434	0,0034	0,00324	0,00106	0,00347	0,00052	0,00209	0,00199	0,00124	0,00273	0,00417	0,00835	13	0,0052	0,00736	0,00273	0,00308	0,00701	0,00835	
0334 Lead	µg/l	1,16	1,56	0,853	0,228	1,15	0,108	0,882	0,761	0,492	0,956	1,65	2,64	13	0,108	0,156	0,882	1,05	2,24	2,64	
0336 Lithium	µg/l	4,02	4,1	4,44	2,83	4,89	5,03	5,72	6,78	6,67	6,77	2,88	5,88	13	2,83	2,85	5,03	4,99	6,78	6,78	
0338 Molybdenum	µg/l	1,02	1	1,49	1,2	1,76	1,7	2,63	4,02	3,62	3,29	1,18	1,81	13	1	1,01	1,7	2,04	3,86	4,02	
0340 Nickel	µg/l	3,15	3,23	1,48	1,47	1,97	1,34	1,85	1,98	1,86	1,96	2,53	2,6	13	1,34	1,39	1,96	2,11	3,2	3,23	
0342 Selenium	µg/l	0,208	0,201	0,243	0,24	0,232	0,213	0,28	0,287	0,265	0,273	0,201	0,27	13	0,201	0,201	0,243	0,242	0,284	0,287	
0343 Strontium	µg/l	151	140	172	175	192	194	215	234	220	217	144	214	13	140	142	194	189	228	234	
0344 Thallium	µg/l	0,0191	0,0259	0,016	0,0214	0,027	0,0254	0,0415	0,0412	0,0342	0,0514	0,0223	0,0246	13	0,016	0,0172	0,0259	0,029	0,0474	0,0514	
0345 Tellurium	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
0346 Tin	µg/l	0,05	0,154	0,139	0,277	<	0,139	<	0,138	0,0886	0,0533	0,121	0,179	13	<	<	0,138	0,134	0,274	0,277	
0350 Vanadium	µg/l	1,8	2,4	0,939	0,632	1,42	0,846	2,05	2,14	1,99	2,32	2,01	2,05	13	0,632	0,718	1,99	1,69	2,37	2,4	
0352 Silver	µg/l	1	<	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
0354 Zinc	µg/l	16,9	17,2	11,5	7,94	11,7	5,25	8,89	10,6	7,95	13,2	13,6	21,9	13	5,25	6,33	11,5	12,2	20	21,9	
0366 Wolman salts (As, Cr, Cu sum)	µg/l	7,5	<	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
0373 Rubidium	µg/l	3,07	3,45	2,2	2,23	3,1	2,95	3,65	4,08	4,22	4,67	3	3,6	13	2,2	2,21	3,2	3,33	4,49	4,67	
0375 Uranium	µg/l	0,313	0,265	0,367	0,391	0,383	0,438	0,482	0,525	0,497	0,504	0,319	0,404	13	0,265	0,284	0,404	0,405	0,517	0,525	
V281 Cesium	µg/l	0,05	0,0695	0,126	0,0747	<	0,111	0,0764	0,162	0,17	0,189	0,174	0,189	13	<	<	0,112	0,122	0,189	0,189	

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.

The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max			
Metals, after filtration		055																					
0302	Iron, 0.45 µm filtrate	mg/l	0,01	0,139	0,162	<	<	0,0135	<	<	<	<	0,048	<	13	<	<	<	0,032	0,153	0,162		
0308	Iron, 0.45 µm filtrate	µg/l			70			130		100	60		35		6	30	*	*	71,7	*	130		
0309	Boron, 0.45 µm filtrate	µg/l		25,9	35,1	22,8	24	26,6	33,1	37,7	44	42,1	44	24,5	28,4	13	22,8	23,3	28,4	31,9	44	44	
0311	Aluminium, 0.45 µm filtrate	µg/l	10	18,2	31	<	<	<	<	<	<	<	<	<	13	<	<	<	<	25,9	31		
0313	Antimony, 0.45 µm filtrate	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
0315	Arsenic, 0.45 µm filtrate	µg/l		0,53	0,507	0,454	0,453	0,564	0,733	0,862	0,983	1,03	0,966	0,779	0,489	13	0,453	0,453	0,587	0,686	1,01	1,03	
0317	Barium, 0.45 µm filtrate	µg/l		21,8	17,7	20	21,1	20,6	23	26,8	29,3	26,7	27,2	19,2	20,7	13	17,7	18,3	21,2	22,7	28,5	29,3	
0319	Berullium, 0.45 µm filtrate	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
0325	Cadmium, 0.45 µm filtrate	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
0327	Chromium, 0.45 µm filtrate	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
0329	Cobalt, 0.45 µm filtrate	µg/l		0,574	0,497	0,195	0,217	0,171	0,124	0,132	0,176	0,153	0,158	0,198	0,144	13	0,124	0,127	0,176	0,224	0,543	0,574	
0331	Copper, 0.45 µm filtrate	µg/l		2,25	2,05	1,66	1,98	2,21	1,72	2,49	2,22	2,21	2,2	2,59	1,9	13	1,66	1,68	2,2	2,13	2,55	2,59	
0333	Mercury, 0.45 µm filtrate	µg/l	0,0003	0,00075	0,00111	<	0,00037	0,0005	<	<	<	<	<	0,00083	0,00032	13	<	<	0,00032	0,00406	0,00998	0,0111	
0335	Lead, 0.45 µm filtrate	µg/l	0,1	<	0,176	<	<	<	<	<	<	<	<	0,115	<	13	<	<	<	<	0,152	0,176	
0337	Lithium, 0.45 µm filtrate	µg/l		3,13	3,06	3,51	3,38	4,43	4,23	6,18	6,92	6,35	6,39	2,41	4,6	13	2,41	2,67	4,23	4,54	6,71	6,92	
0339	Molybdenum, 0.45 µm filtrate	µg/l		1,05	0,878	1,5	1,2	1,69	1,7	2,58	3,97	3,57	3,27	1,13	1,74	13	0,878	0,947	1,7	2	3,81	3,97	
0341	Nickel, 0.45 µm filtrate	µg/l		2,51	2,2	1,21	1,38	1,53	1,26	1,59	1,72	1,76	1,58	1,97	1,5	13	1,21	1,23	1,59	1,67	2,39	2,51	
0347	Tin, 0.45 µm filtrate	µg/l	0,05	<	0,227	<	<	<	<	<	<	<	<	<	13	<	<	<	<	0,146	0,227		
0349	Titanium, 0.45 µm filtrate	µg/l	1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
0351	Vanadium, 0.45 µm filtrate	µg/l		0,8	0,802	0,527	0,456	0,81	0,793	1,56	1,74	1,71	1,82	1,13	0,726	13	0,456	0,484	0,802	1,05	1,79	1,82	
0353	Silver, 0.45 µm filtrate	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
0355	Zinc, 0.45 µm filtrate	µg/l		8,81	7,92	6,16	5,2	4,84	4,24	3,52	3,71	6,27	6,61	6,5	5,81	13	3,52	3,6	5,81	5,72	8,45	8,81	
0359	Rubidium, 0.45 µm filtrate	µg/l		2,62	2,28	1,96	2,2	2,63	2,95	3,36	3,86	4,2	4,21	2,41	2,62	13	1,96	2,06	2,62	2,92	4,21	4,21	
0361	Uranium, 0.45 µm filtrate	µg/l		0,32	0,224	0,374	0,397	0,361	0,442	0,483	0,535	0,514	0,445	0,311	0,395	13	0,224	0,259	0,395	0,397	0,527	0,535	
0362	Selemium, 0.45 µm filtrate	µg/l		0,188	0,181	0,244	0,245	0,225	0,201	0,273	0,289	0,267	0,271	0,187	0,249	13	0,181	0,183	0,245	0,234	0,283	0,289	
0363	Strontium, 0.45 µm filtrate	µg/l		149	126	175	176	181	195	208	231	224	206	143	205	13	126	133	190	185	228	231	
0364	Thallium, 0.45 µm filtrate	µg/l		0,0141	0,0147	0,0123	0,02	0,021	0,0251	0,0321	0,0374	0,0322	0,0469	0,0158	0,0187	13	0,0123	0,013	0,0209	0,0239	0,0431	0,0469	
0365	Tellurium, 0.45 µm filtrate	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
V282	Cesium, 0.45 µm filtrate	µg/l	0,05	<	<	<	<	0,0596	0,0757	0,12	0,132	0,172	0,122	<	0,0733	13	<	<	0,0598	0,0722	0,156	0,172	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max
Complex buiders	060																			
0420 Anionic detergents	mg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<
1793 Nitrotriacetic acid (NTA)	µg/l	5	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
1794 Ethylenediaminetetraacetic acid (ED)	µg/l	5	6	<	7	<	5	<	6	7	<	<	6	13	<	<	5	<	7	7
1794L Ethylenediaminetetraacetic acid (ED)	g/s	6,66	1,61	2,49		1,21	0,791	0,776	0,483		0,632	1,37	1,2	11	0,483	0,497	1,2	1,64	5,83	6,66
2003 Diethylenetriaminepentaacetic acid (DTPA)	µg/l	5	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
2097 Tetraacetyethylenediamine (TAED)	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<
V111 Complexbuilders (sum)	µg/l	7,5	11	<	12	<	10	<	7,87	11	12	<	<	13	<	<	10	7,81	12	12



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Mono cyclic aromatic hydrocarb 170																						
1074	Benzene	µg/l	0,01	<	<	0,0114	0,0117	<	<	<	<	<	<	<	13	<	<	<	<	0,0116	0,0117	
1075	Butylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
1080	1,2-Dimethylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
1088	Ethylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
1089	Ethylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
1098	Methylbenzene	µg/l	0,01	<	0,0147	0,0223	0,08	0,0121	<	<	<	0,0113	0,0112	13	<	<	0,0112	0,0157	0,0569	0,08		
1106	Propylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1112	Chlorobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1115	2-Chloromethylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1116	3-Chloromethylbenzene	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<	
1119	1,2-Dichlorobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1120	1,3-Dichlorobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1121	1,4-Dichlorobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1127	Pentachlorobenzene	µg/l	0,00002	0,00002	0,00002	0,00002	<	<	0,00002	0,00003	<	<	0,00002	0,00002	13	<	<	0,00002	0,00026	0,00003		
1131	1,2,3-Trichlorobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1132	1,2,4-Trichlorobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1133	1,3,5-Trichlorobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<	
1797	Isopropylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1832	1,3,5-Trimethylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1951	1,2,4-Trimethylbenzene	µg/l	0,01	<	0,0114	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	0,0114	
1952	1,2,3-Trimethylbenzene	µg/l	0,01	<	0,0107	0,0188	<	<	<	<	<	<	<	13	<	<	<	<	0,0156	0,0188		
1956	3-Ethyltoluene	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<	
1957	4-Ethyltoluene	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<	
1958	2-Ethyltoluene	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<	
1959	4-Chloromethylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1960	1-Methyl-4-isopropylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
1998	t-Butylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
2014	Bromobenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
2039	1,3- and 1,4-Dimethylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
2064	s-Butylbenzene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
V329	Trichlorobenzenes (sum of 3 isomer	µg/l	1,5	<	<	<	<	<	<	<	<	<	<	83	<	<	<	<	<	<	<	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max				
Poly cyclic aromatic hydrocarbo 180																								
1161	Acenaphthene	µg/l	0,005	<	0,0083	<	<	<	<	<	<	0,0059	<	0,0076	0,0052	13	<	<	<	<	0,00802	0,0083		
1163	Anthracene	µg/l	0,004	<	0,00442	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	0,00442	
1165	Benzo(a)anthracene	µg/l	0,001	0,00286	0,00772	0,004	<	0,003	<	0,00371	0,00239	0,00128	0,00143	0,00336	0,00184	13	<	<	0,00239	0,00274	0,00632	0,00772		
1166	Benzo(b)fluoranthene	µg/l		0,00581	0,0135	0,00869	0,00145	0,00657	0,00148	0,00859	0,00539	0,0023	0,00605	0,00787	0,00498	13	0,00145	0,00146	0,00581	0,0061	0,0116	0,0135		
1167	Benzo(k)fluoranthene	µg/l		0,00246	0,00672	0,00422	0,00066	0,00319	0,00058	0,00397	0,0022	0,00104	0,00264	0,00368	0,00233	13	0,00058	0,00612	0,00246	0,00284	0,00576	0,00672		
1168	Benzo(ghi)perylene	µg/l		0,00573	0,0116	0,00724	0,00112	0,00608	0,00066	0,0072	0,00375	0,00174	0,00358	0,00673	0,00374	13	0,00066	0,00844	0,00386	0,00502	0,0103	0,0116		
1169	Benzo(a)pyrene	µg/l	0,002	0,00529	0,0083	0,00357	<	0,00299	<	0,0048	0,00243	<	<	0,00329	<	13	<	<	0,00243	0,00297	0,0071	0,0083		
1172	Chrysene	µg/l	0,004	<	0,0077	0,00449	<	<	<	<	<	<	<	<	<	13	<	<	<	<	0,00642	0,0077		
1173	Dibenzo(a,h)anthracene	µg/l	0,003	0,00769	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	0,00521	0,00769		
1180	Phenanthrene	µg/l		0,00717	0,0175	0,00988	0,0131	0,00511	0,00237	0,00367	0,00262	0,00303	0,00359	0,00724	0,00599	13	0,00237	0,00247	0,00578	0,00664	0,0157	0,0175		
1181	Fluoranthene	µg/l		0,0126	0,0253	0,0152	0,00789	0,0119	0,00265	0,0102	0,00648	0,00585	0,00949	0,0155	0,0086	13	0,00265	0,00393	0,00949	0,011	0,0214	0,0253		
1182	Fluorene	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
1183	Indeno(1,2,3-cd)pyrene	µg/l		0,00556	0,0112	0,00619	0,00059	0,00523	0,00039	0,00729	0,00297	0,00133	0,00281	0,0044	0,00241	13	0,00039	0,00047	0,00297	0,00428	0,00976	0,0112		
1188	Pyrene	µg/l		0,00941	0,0234	0,0144	0,00725	0,0103	0,00291	0,0123	0,0092	0,0062	0,00945	0,013	0,00851	13	0,00291	0,00423	0,00941	0,0105	0,0198	0,0234		
1992	2-Methylnaphthalene	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<		
8450	Naphthalene	µg/l	0,03	<	0,0355	<	0,0826	<	<	<	<	<	<	<	<	13	<	<	<	<	0,0638	0,0826		



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
Organochlorine pesticides	200																				
2132 3-Chloropropene	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8006 Aldrin	µg/l	0,0003	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8119 Chlorothalonil	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8162 o,p-DDD	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8163 p,p-DDD	µg/l	0,0003	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8164 o,p-DDE	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8165 p,p-DDE	µg/l	0,0002	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8166 o,p-DDT	µg/l	0,0002	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8167 p,p-DDT	µg/l	0,00009	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8189 Dichlobenil	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8199 2,6-Dichlorobenzamide (BAM)	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	0,02	
8217 Dieldrin	µg/l	0,0002	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8263 alpha-Endosulfan	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8264 beta-Endosulfan	µg/l	0,0003	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8268 Endrin	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8358 Heptachlor	µg/l	0,00005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8359 Heptachloroepoxide	µg/l	0,00005	<	0,00008	<	<	<	<	<	<	<	<	<	13	<	<	<	<	000058	,00008	
8361 Hexachlorobenzene (HCB)	µg/l	0,0002	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8362 alpha-Hexachlorocyclohexane (alpha)	µg/l	0,00006	<	<	<	<	0,000095	<	<	<	<	<	<	13	<	<	<	<	000096	0,0001	
8363 beta-Hexachlorocyclohexane (beta)	µg/l	0,00005	<	<	<	<	0,00006	<	0,00007	<	0,00009	0,00005	0,00006	13	<	<	<	0,00005	<	000082	,00009
8379 Isodrin	µg/l	0,0003	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8393 Lindane (gamma-HCH)	µg/l		0,00018	0,00031	0,00015	0,00023	0,00035	0,00024	0,00029	0,00026	0,00024	0,00041	0,00023	0,00017	13	0,00015	0,000158	,00024	0,000262	,00041	,00041
8428 Methoxychlor	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8441 Mirex	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8533 Quintocene	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8629 delta-Hexachlorocyclohexane (delta)	µg/l	0,00008	0,00016	0,0001	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	000136	,00016
8631 trans-Heptachlorepoide	µg/l	0,0007	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8640 cis-Chlordane	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8641 trans-Chlordane	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8655 Oxychlordane	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8656 epsilon-Hexachlorocyclohexane (eps)	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
V330 hexachlorocyclohexaan (sum of 5 iso)	µg/l	0,125	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Organophosphorus and -sulphur p 210																						
8028	Azinphos-ethyl	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8029	Azinphos-methyl	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8044	Bentazon	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8059	Bromophos-methyl	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8060	Bromophos-ethyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8108	Chlorfenvinphos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8136	Coumaphos	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8173	Demeton-S-Methyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8185	Diazinon	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8188	Dicamba	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8190	Dichlofenthion	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8238	Dimethoate	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8257	Dithianon	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*		
8271	S-ethyl dipropyl(thiocarbamate)	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8278	Ethion	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8281	Ethoprophos	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8290	Fenamiphos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8296	Fenchlorphos (Ronnel)	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8298	Fenitrothion	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8309	Fenthion	µg/l	0,001	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8340	Phosalon	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8345	Phosmet	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8346	Phoxim	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<		
8352	Glufosinate-ammonium	µg/l	0,015	<	<	<	<	<	<	0,0237	<	<	<	<	18	<	<	<	<	0,04		
8354	Glyphosate	µg/l	0,03	0,06	<	0,055	0,04	0,095	0,145	0,209	0,11	0,075	0,1	0,0387	0,06	21	<	<	0,07	0,0862	0,148	0,41
8354L	Glyphosate (load)	g/s	0,0478	0,00726	0,0231	0,0131	0,034	0,0468	0,0382	0,0105	0,00324	0,0176	0,0366	0,012	19	0,00107	0,00307	0,0213	0,0281	0,0753	0,0778	
8360	Heptenophos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8396	Malathion	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8423	Methidathion	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8439	Mevinphos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8482	Parathion-ethyl	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8483	Parathion-methyl	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8500	Pirimiphos-ethyl	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8501	Pirimiphos-methyl	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		
8526	Pyrazophos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<		

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.
 The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

		MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
8550	Sulfotep	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8572	Tetrachlorvinphos	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8590	Tolclofos-methyl	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8600	Triazophos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8632	Aminomethylphosphonic acid (AMP	µg/l	0,235	0,225	0,32	0,4	0,62	0,66	1,43	2,3	2,41	1,41	0,335	0,52	21	0,19	0,214	0,52	0,881	2,22	2,9	
8632L	Aminomethylphosphonic acid (AMP	g/s	0,171	0,252	0,135	0,131	0,209	0,215	0,225	0,22	0,124	0,218	0,274	0,104	19	0,0858	0,086	0,17	0,196	0,309	0,461	
8644	cis-Mevinphos	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8652	Chlorpyriphos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8702	Nicosulfuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
Organonitrogen pesticides		220																				
8057	Bromacil	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8061	Bromoxynil	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8127	Chloridazon	µg/l	0,01	<	<	<	<	0,025	<	<	<	<	<	<	13	<	<	<	<	0,0258	0,029	
8261	Dodine	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8699	Azoxystrobin	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8730	chloridazon-methyl-desphenyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8732	Chloridazon-desphenyl	µg/l					0,225	0,19	0,22	0,25	0,287	0,24	0,14	0,15	13	0,14	0,144	0,24	0,228	0,3	0,32	
Carbamate herbicides		260																				
8003	Aldicarb	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8004	Aldicarb-sulfon	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8005	Aldicarb-sulfoxide	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8035	Barban	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
8068	Butocarboxim	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8069	Butoxycarboxim	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8082	Carbofuran	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8277	Ethiofencarb	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8304	Fenoxycarb	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8425	Methomyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8499	Pirimicarb	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8634	Butocarboxim-sulfoxide	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8637	Thiofanox-sulfoxide	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8638	Thiofanox-sulfon	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
Biocides 285																					
2077	Tributyltin	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8079	Carbendazim	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8169	Diethyltoluamide (DEET)	µg/l	0,02	<	<	<	0,03	<	<	0,085	0,04	0,02	0,44	<	13	<	<	<	0,0592	0,3	0,44
8209	Dichlorvos	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8519	Propiconazole	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8521	Propoxur	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
Benzimidazole Fungicides 470																					
8079	Carbendazim	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
Conazole Fungicides 480																					
8519	Propiconazole	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
Strobilurine Fungicides 510																					
8664	Kresoxim-methyl	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8699	Azoxystrobin	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
Unclassified Fungicides 520																					
8075	Captan	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*
8119	Chlorothalonil	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8257	Dithianon	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*
8261	Dodine	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8307	Fenpropimorph	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8376	Iprodione	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	12	<	<	<	<	<	<
8590	Tolclofos-methyl	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
Chlorophenoxy herbicides 230																					
8105	4-Chlorophenoxyacetic acid	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8106	Chlorfenprop-Methyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
8150	2,4-Dichlorophenoxyacetic acid (2,4-	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8151	4-(2,4-Dichlorophenoxy)butanoic aci	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8204	2,4-Dichlorprop (2,4-DP)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8330	Fluroxypyr	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8401	4-Chloro-2-methylphenoxyacetic aci	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8402	4-(4-Chloro-2-methylphenoxy)butano	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8404	Mecoprop (MCP)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8551	2,4,5-Trichlorophenoxyacetic acid (2,	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8593	2-(2,4,5-Trichlorophenoxy)propionic	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
8607	Triclopyr	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Phenylurea herbicides		240																				
8070	Buturon	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
8097	Chlorbromuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
8122	Chlortoluron	µg/l	0,01	0,01	<	<	<	<	<	<	<	0,03	0,01	13	<	<	<	<	0,022	0,03		
8130	Chloroxuron	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8226	Difenoxuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8258	Diuron	µg/l	0,01	<	<	<	<	0,015	0,02	0,02	0,03	0,04	0,04	13	<	<	0,01	0,0162	0,04	0,04		
8382	Isoproturon	µg/l	0,01	0,02	<	<	<	0,025	<	<	<	0,01	0,07	13	<	<	<	0,0158	0,054	0,07		
8394	Linuron	µg/l	0,05	<	<	0,05	<	<	<	<	<	<	<	13	<	<	<	<	<	0,05		
8418	Metabenzthiazuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8434	Metobromuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8436	Metoxuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8438	Metsulphuron-Methyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<		
8446	Monolinuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8447	Monuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8456	Neburon	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8665	1-(4-Chlorophenyl)urea	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8666	1-(3-Chloro-4-methylphenyl)urea	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8667	1-(4-Isopropylphenyl) urea	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8668	1-(4-Isopropylphenyl)-3-methylurea	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8669	1-(3,4-Dichlorophenyl)urea (DCPU)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
Dinitrophenol herbicides		250																				
8244	2,4-Dinitrophenol	µg/l	0,05	<	<	<	<	<	<	<	<	0,05	<	<	<	<	<	<	<	<	0,05	
8248	Dinoseb (2-sec.butyl-4,6-dinitrophen	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8250	Dinoterb (2-tert.butyl-4,6-dinitrophen	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	12	<	<	<	<	<	<		
8259	2-Methyl-4,6-dinitrophenol (DNOC)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8609	Trietazin	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
Phenoxy Herbicides		550																				
8106	Chlorfenprop-Methyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<		
8150	2,4-Dichlorophenoxyacetic acid (2,4-	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8151	4-(2,4-Dichlorophenoxy)butanoic aci	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8204	2,4-Dichlorprop (2,4-DP)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8401	4-Chloro-2-methylphenoxyacetic aci	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8402	4-(4-Chloro-2-methylphenoxy)butano	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8404	Mecoprop (MCPPP)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.
 The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
Anilide Herbicides 570																					
8417	Metazachlor	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
Chloroacetanilide Herbicides 580																					
8002	Alachlor	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8235	Dimethachlor	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8513	Propachlor	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
Dinitroaniline Herbicides 600																					
8488	Pendimethalin	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
Sulfonylurea Herbicides 610																					
8438	Metsulphuron-Methyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	<
8702	Nicosulfuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
Urea Herbicides 620																					
8122	Chlortoluron	µg/l	0,01	0,01	<	<	<	<	<	<	<	<	0,03	0,01	13	<	<	<	<	0,022	0,03
8258	Diuron	µg/l	0,01	<	<	<	<	0,015	0,02	0,02	0,03	0,04	0,04	<	13	<	<	0,01	0,0162	0,04	0,04
8382	Isoproturon	µg/l	0,01	0,02	<	<	<	0,025	<	<	<	<	0,01	0,07	13	<	<	<	0,0158	0,054	0,07
8394	Linuron	µg/l	0,05	<	<	0,05	<	<	<	<	<	<	<	13	<	<	<	<	<	<	0,05
8418	Metabenzthiazuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8434	Metobromuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8436	Metoxuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
Aryloxyphenoxy- Propionic Herbici 630																					
8675	Haloxypop	µg/l	0,05	<	<	<	<	<	<	0,07	<	<	<	13	<	<	<	<	0,052	0,07	<
Triazin Herbicides 635																					
8026	Atrazine	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8138	Cyanazine	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8180	Desmetryn	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8366	Hexazinone	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8415	Metamitron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8435	Metolachlor	µg/l	0,01	<	<	<	<	0,0239	0,0284	0,0334	0,0136	<	<	13	<	<	<	0,0126	0,039	0,0428	<
8437	Metribuzin	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8512	Prometryn	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8517	Propazine	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8547	Simazine	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8567	Terbutryne	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
8568	Terbutylazine	µg/l	0,02	0,02	<	<	<	<	<	<	<	<	<	13	<	<	<	<	0,072	0,1	<
Thiocarbamate Herbicides 640																					
8271	S-ethyl dipropyl(thiocarbamate)	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.

The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Unclassified Herbicides		645																				
8044	Bentazon	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8061	Bromoxynil	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8127	Chloridazon	µg/l	0,01	<	<	<	<	0,025	<	<	<	<	<	<	13	<	<	<	<	0,0258	0,029	
8188	Dicamba	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8189	Dichlobenil	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8330	Fluroxypyr	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8354	Glyphosate	µg/l	0,03	0,06	<	0,055	0,04	0,095	0,145	0,209	0,11	0,075	0,1	0,0387	0,06	21	<	<	0,07	0,0862	0,148	0,41
8354L	Glyphosate (load)	g/s		0,0478	0,00726	0,0231	0,0131	0,034	0,0468	0,0382	0,0105	0,00324	0,0176	0,0366	0,012	19	0,00107	0,00307	0,0213	0,0281	0,0753	0,0778
8607	Triclopyr	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8612	Trifluralin	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8675	Haloxypop	µg/l	0,05	<	<	<	<	<	<	<	0,07	<	<	<	13	<	<	<	<	0,052	0,07	
8676	Fluazifop	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8677	Ioxynil	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8686	Sebutylazine	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8707	Clomazone	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
Unclassified plant growth regulator		952																				
6062	Clofibric acid	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	4	<	*	*	<	*	<	<	
8436	Metoxuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8491	Pentachlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
Insecticides		290																				
8143	Cyhalothrin	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*	*	
8273	Esfenvalerate	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
Pyrethroid Insecticides		650																				
8143	Cyhalothrin	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*	*	
8170	Deltamethrin	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8273	Esfenvalerate	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
Carbamate Insecticides		660																				
8082	Carbofuran	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8304	Fenoxycarb	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8499	Pirimicarb	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max
Organophosphorus Insecticides 670																				
8029	Azinphos-methyl	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8136	Coumaphos	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8185	Diazinon	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8209	Dichlorvos	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8238	Dimethoate	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8281	Ethoprophos	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8290	Fenamiphos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8298	Fenitrothion	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8340	Phosalon	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8345	Phosmet	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8346	Phoxim	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8396	Malathion	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8501	Pirimiphos-methyl	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8652	Chlorpyriphos	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Benzoylurea Insecticides 690																				
8558	Teflubenzuron	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<
Insecticides Produced By Fermenta 700																				
8697	Abamectine	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Unclassified Insecticides 710																				
8425	Methomyl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8691	Pyridaben	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*
8692	Pyriproxyphen	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*
8701	Imidacloprid	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Rodenticides 850																				
8620	Warfarin	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Nematicides 860																				
1784	cis-1,3-Dichloropropene	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1785	trans-1,3-Dichloropropene	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Pesticide metabolites 954																				
2023	4-Isopropylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<
2032	3-Chloro-4-methoxyaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<
2251	N,N-Dimethylsulfamid (DMS)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<
8113	4-Chloro-2-methylphenol	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8176	Desethylatrazine	µg/l	0,01	<	<	<	0,0112	<	<	<	0,018	0,0218	0,0212	0,0154	<	<	0,0104	0,0109	0,0216	0,0218
8178	Desisopropylatrazine	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.

The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Various pesticides and metabolics 300																						
1170	Biphenyl	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<		
1780	N-Butylbenzenesulfonamide	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<		
2251	N,N-Dimethylsulfamid (DMS)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<		
2272	2-(methylthio)benzothiazole	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<		
8075	Captan	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*		
8231	sodium 2,3:4,6-di-O-isopropylidene-	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8235	Dimethachlor	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8307	Fenpropimorph	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8376	Iprodione	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	12	<	<	<	<	<	<		
8658	DMST	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<		
8664	Kresoxim-methyl	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8670	1-(3,4-Dichlorophenyl)-3-methylurea	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8675	Haloxyfop	µg/l	0,05	<	<	<	<	<	0,07	<	<	<	<	13	<	<	<	<	0,052	0,07		
8676	Fluazifop	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8691	Pyridaben	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*		
8692	Pyriproxyphen	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*		
8697	Abamectine	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8701	Imidacloprid	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8707	Clomazone	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<		
8708	Dimethenamid-p	µg/l	0,01	<	<	<	<	0,0425	0,05	<	<	<	<	13	<	<	<	0,0142	0,068	0,08		
8731	N,N-dimethyl-N'-phenylsulphamide	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<		
Ethers 302																						
1428	Diisopropylether	µg/l	0,05	0,16	1,11	0,57	1,1	0,17	0,93	0,222	0,28	1,5	2,3	0,75	1,1	15	<	0,106	0,84	0,843	1,82	2,3
1457	Bis(2-(2-methoxyethoxy)ethyl) ether (µg/l	0,05	<	<	<	<	<	<	0,0575	0,07	<	<	<	13	<	<	<	<	0,082	0,09	
2043	Methyl-tert.-butylether (MTBE)	µg/l	0,05	0,05	<	0,18	0,05	0,27	0,07	0,135	0,14	0,39	0,2	0,12	0,07	15	<	<	0,07	0,128	0,318	0,39
2156	Bis(2-methoxyethyl)ether (Diglyme)	µg/l	0,05	<	<	<	<	<	<	<	<	0,07	0,09	<	13	<	<	<	<	0,082	0,09	
2168	Ethyl-tert.-butylether (ETBE)	µg/l	0,05	<	<	<	<	<	<	0,0675	0,07	<	<	0,06	15	<	<	<	<	0,086	0,11	
2173	Triethyleneglycol dimethylether (Trigl	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<	
2244	Tert-amyl-methyl ether (TAME)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
2275	1,4-Dioxane	µg/l	0,2	<	<	<	<	<	<	<	<	<	<	3	*	*	*	*	*	*		
Fuel additives 303																						
2043	Methyl-tert.-butylether (MTBE)	µg/l	0,05	0,05	<	0,18	0,05	0,27	0,07	0,135	0,14	0,39	0,2	0,12	0,07	15	<	<	0,07	0,128	0,318	0,39
2086	1,2-Dibromoethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	
2168	Ethyl-tert.-butylether (ETBE)	µg/l	0,05	<	<	<	<	<	<	0,0675	0,07	<	<	0,06	15	<	<	<	<	0,086	0,11	
2244	Tert-amyl-methyl ether (TAME)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<	

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.
 The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max			
Various organic substances		305																					
1077	Cyclohexane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1079	Dicyclopentadiene	µg/l	0,01	<	<	0,0121	<	<	<	<	<	0,0126	<	<	<	<	<	<	<	0,0124	0,0126		
1405	Dibenzopyridin (Acridin)	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1432	Dimethoxymethane	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1753	Dimethyldisulfide	µg/l	0,01	0,044	0,0367	0,025	0,0271	<	<	<	<	0,029	0,0199	0,0202	<	0,0241	13	<	<	0,0202	0,0193	0,0411	0,044
1764	Tributylphosphate	µg/l	0,1	<	0,183	0,191	<	0,124	<	0,133	0,103	<	<	<	<	<	13	<	<	<	<	0,196	0,199
1765	Triethylphosphate	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<
1767	Triphenylphosphate	µg/l	0,05	0,271	<	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	0,173	0,271
1768	Triphenylphosphine oxide	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
1769	Tri-isobutylphosphate	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<
1871	Tris(2-chloroethyl)phosphate	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<
1961	Tetrahydrothiophene (THT)	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	3	*	*	*	*	*	*
2037	2-Aminoacetophenone	µg/l	0,03	<	<	<	<	<	0,03	0,03	<	<	0,035	<	<	<	6	<	*	*	<	*	0,04
2046	3,3'-Dichlorobenzidine	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<
2062	4,4'-Sulfonyldiphenol	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<
2092	Methylmethacrylate	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	12	<	<	<	<	<	<
2161	4-Chloro-3,5-xlenol	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<
2165	methenamine	µg/l	<	0,21	0,6	0,64	0,57	0,85	0,21	0,24	<	0,67	0,77	1,5	0,72	11	0,21	0,21	0,64	0,635	1,37	1,5	
V129	tetrahydro-2,2,5,5-tetramethylfuran	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
V391	Acetonitrile	µg/l	<	<	1,7	<	<	<	<	<	<	<	<	<	<	<	1	*	*	*	*	*	*



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Industrial solvents		431																				
1027	Bromochloromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1040	1,2-Dichloroethane	µg/l	0,01	0,0217	0,0187	0,0329	0,0228	<	<	<	<	0,0138	0,0181	0,0192	13	<	<	0,0138	0,0136	0,0289	0,0329	
1044	Dichloromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1049	Hexachlorobutadiene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1056	Tetrachloroethene	µg/l	0,01	0,0176	0,0162	0,0387	0,0241	0,017	<	0,0257	0,022	0,0281	0,0307	0,0256	13	<	<	0,0241	0,021	0,0355	0,0387	
1057	Tetrachloromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1063	Trichloroethene	µg/l	0,01	0,014	0,0123	0,0304	0,0172	<	<	<	<	0,011	0,0176	0,018	0,0168	13	<	<	0,0123	0,0125	0,0254	0,0304
1064	Trichloromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1070	1,2,3-Trichloropropane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1828	cis-1,2-Dichloroethene	µg/l	0,01	<	<	0,0205	0,0165	<	0,0365	<	0,0247	0,0126	0,0161	0,0136	0,0153	13	<	<	0,0136	0,0139	0,0318	0,0365
1829	trans-1,2-Dichloroethene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1954	1,1,1,2-Tetrachloroethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
1955	1,1,1,2,2-Tetrachloroethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
2015	Chloroethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
2275	1,4-Dioxane	µg/l	0,2												3	*	*	*	*	*	*	
8205	1,2-Dichloropropane	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
V391	Acetonitrile	µg/l			1,7										1	*	*	*	*	*	*	
Industrial chemicals (with (per)fluor		433																				
2263	undecafluorohexanoic acid	µg/l								0,003			0,0016	2	*	*	*	*	*	*	*	
2282	perfluoro-1-butanefulfonate linear (L	µg/l								0,0076			0,0033	2	*	*	*	*	*	*	*	
2283	henicosafluoroundecanoic acid	µg/l	0,0011							<			<	2	*	*	*	*	*	*	*	
2284	Perfluorovaleric acid	µg/l	0,0048							<			<	2	*	*	*	*	*	*	*	
2287	Perfluorodecanoic acid (PFDA)	µg/l	0,00078							<			<	2	*	*	*	*	*	*	*	
2288	heptafluorobutyric acid	µg/l	0,0036							<			<	2	*	*	*	*	*	*	*	
2289	Perfluoroheptanoic acid (PFHpA)	µg/l								0,005			0,0013	2	*	*	*	*	*	*	*	
2290	Perfluorononanoic acid (PFNA)	µg/l	0,00068							<			<	2	*	*	*	*	*	*	*	
2292	Perfluorohexane sulfonate (PFHxS)	µg/l								0,00096			0,00077	2	*	*	*	*	*	*	*	
2294	Perfluorooctanoate (PFOA)	µg/l								0,0081			0,0031	2	*	*	*	*	*	*	*	
2295	heptadecafluorooctane-1-sulphonic	µg/l								0,005			0,0024	2	*	*	*	*	*	*	*	
2315	6:2 fluorotelomer sulfonic acid (6:2 F	µg/l	0,0027							<			<	2	*	*	*	*	*	*	*	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
industrial chemicals (with arom. nit 434)																					
1683	Aniline	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
1700	N-Methylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1705	3-Chloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1708	2,3-Dichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1713	2,3,4-Trichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1716	2,4,5-Trichloroaniline	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
1717	2,4,6-Trichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1718	3,4,5-Trichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1786	3-Methylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1853	2,2,6,6-tetramethyl-4-piperidone	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
1862	N,N-Diethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1864	N-Ethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
1979	2,4,6-Trimethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2024	2,4-Dimethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2027	3,4-Dimethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2028	2,3-Dimethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2029	3-Chloro-4-methylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2033	4-Methoxy-2-nitroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2034	2-Nitroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2035	3-Nitroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2038	2-(Phenylsulfon)aniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2052	4- and 5-Chloro-2-methylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2053	N,N-Dimethylaniline	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
2055	2,4- and 2,5-Dichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2056	2-Methoxyaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2057	2- and 4-Methylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2058	2-(Trifluoromethyl)aniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2059	2,5- and 3,5-Dimethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
2175	2,4,5-Trimethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
8063	4-Bromoaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
8094	2-Chloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
8115	4-Chloroaniline	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
8196	2,6-Dichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
8197	3,4-Dichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	
8198	3,5-Dichloroaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<	

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.
 The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max
8222	2,6-Diethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<
8239	2,6-Dimethylaniline	µg/l	0,03	<	<	<	<	<	<	<	<	<	<	6	<	*	*	<	*	<
Industrial chemicals (with volatile h 437																				
1035	Dibromomethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
1039	1,1-Dichloroethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
1041	1,1-Dichloroethene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
1050	Hexachloroethane	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<
1061	1,1,1-Trichloroethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
1062	1,1,2-Trichloroethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
1962	Chloroethene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
2016	Chloromethane	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	12	<	<	<	<	<	<
2086	1,2-Dibromoethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<
8206	1,3-Dichloropropane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max
Industrial chemicals (with phenols) 439																				
1528	3-Chlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1529	4-Chlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1531	2,3-Dichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1533	2,6-Dichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1534	3,4-Dichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1535	3,5-Dichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1537	2,3,4,5-Tetrachlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1538	2,3,4,6-Tetrachlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1539	2,3,5,6-Tetrachlorophenol	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1541	2,3,4-Trichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1542	2,3,5-Trichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1543	2,3,6-Trichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1544	3,4,5-Trichlorophenol	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1847	3-Nitrophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2008	2,3-Dimethylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2010	2,6-Dimethylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2011	3,4-Dimethylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2012	3,5-Dimethylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2067	2,4- and 2,5-Dichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2081	2-Ethylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2248	2,5-Dinitrophenol	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2249	2,6-Dinitrophenol	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2250	3,4-Dinitrophenol	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8104	2-Chlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8460	2-Nitrophenol	µg/l	0,02	<	<	0,03	0,02	<	<	<	<	<	<	<	<	<	<	<	0,026	0,03
8602	2,4,5-Trichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8603	2,4,6-Trichlorophenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
8733	2,3-Dinitrophenol	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code	HEE
-------------------	-----

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max		
Industrial chemicals (with PCBs) 440																						
1220	2,4,4'-Trichlorobiphenyl (PCB 28)	µg/l	0,00008	0,00011	0,00011	0,00007	0,000095	0,00006	0,00009	0,00007	0,00007	0,00005	0,00012	0,00011	13	0,00005	0,000054	0,00008	0,000869	0,00012	0,00012	
1244	2,5,2',5'-Tetrachlorobiphenyl (PCB 5)	µg/l	0,00008	0,00009	0,00009	0,00007	0,00009	0,00006	0,0001	0,00009	0,00006	0,00007	0,00011	0,00008	13	0,00006	0,00006	0,00008	0,000831	0,000106	0,00011	
1293	2,4,5,2',5'-Pentachlorobiphenyl (PCB	µg/l	0,00012	0,0001	0,00012	0,00005	0,000105	0,00003	0,00013	0,00013	0,0001	0,00013	0,00014	0,0001	13	0,00003	0,000038	0,00012	0,000105	0,000136	0,00014	
1310	2,4,5,3',4'-Pentachlorobiphenyl (PCB	µg/l	0,00002	0,00004	0,00006	0,00006	< 0,000035	<	0,00004	0,00004	<	0,00004	0,00005	0,00004	13	<	<	0,00004	0,000362	0,00006	0,00006	
1330	2,3,4,2',4',5'-Hexachlorobiphenyl (PC	µg/l	0,00005	0,00001	0,00014	0,00014	< 0,000125	<	0,00023	<	<	0,00012	0,00015	0,00011	13	<	<	0,00012	0,000103	0,000198	0,00023	
1345	2,4,5,2',4',5'-Hexachlorobiphenyl (PC	µg/l	0,00017	0,00021	0,00021	0,00005	0,000155	0,00004	0,0002	0,00018	0,00012	0,00015	0,00018	0,00014	13	0,00004	0,000044	0,00017	0,000151	0,00021	0,00021	
1372	2,3,4,5,2',4',5'-Heptachlorobiphenyl (µg/l	0,00004	0,00013	0,00017	0,0002	< 0,00013	<	0,00017	0,00014	<	0,00011	0,00014	0,00011	13	<	<	0,00013	0,000115	0,000188	0,0002	
Industrial chemicals (with anilides) 442																						
1414	Methylchinolin	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
2103	2,6-Dimethylpyridine	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
V134	2,3-dimethylpyridine	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
V135	2,4-dimethylpyridine	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	
Cooling agents 430																						
2017	Dichlorodifluoromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
2019	Trichlorofluoromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
Disinfection agents 444																						
2005	2-Methylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	12	<	<	<	<	<	<	
8114	4-Chloro-3-methylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	
Disinfection byproducts 446																						
1028	Bromodichloromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
1033	Dibromochloromethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
1058	Tribromomethane	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	
2302	N-Nitrosodimethylamine (NDMA)	µg/l	0,001											<	2	*	*	*	*	*	*	
Nitroso compounds 160																						
2302	N-Nitrosodimethylamine (NDMA)	µg/l	0,001											<	2	*	*	*	*	*	*	
2303	N-Nitrosomorpholine (NMOR)	µg/l	0,003											<	2	*	*	*	*	*	*	
2304	N-Nitrosopiperidine (NPIP)	µg/l	0,002											<	2	*	*	*	*	*	*	
2305	N-Nitrosopyrrolidine (NPYR)	µg/l	0,002											<	2	*	*	*	*	*	*	
2306	N-Nitrosomethylethylamine (NMEA)	µg/l	0,002											<	2	*	*	*	*	*	*	
2307	N-Nitrosodiethylamine (NDEA)	µg/l	0,003											<	2	*	*	*	*	*	*	
2308	N-Nitrosodi-n-propylamine (NDPA)	µg/l	0,003											<	2	*	*	*	*	*	*	
2309	N-Nitroso-n-dibutylamine (NDBA)	µg/l	0,001											<	2	*	*	*	*	*	*	



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
Flameretardants 380																					
2109	2,4,2',4'-Tetrabromodiphenylether (P	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2110	2,4,2',5'-Tetrabromodiphenylether (P	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2111	2,3,4,2',4'-Pentabromodiphenylether	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2112	2,4,5,2',4'-Pentabromodiphenylether	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2113	2,4,6,2',4'-Pentabromodiphenylether	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2114	2,4,5,2',4',5'-Hexabromodiphenylethe	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2115	2,4,5,2',4',6'-Hexabromodiphenylethe	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2169	2,4,4'-Tribromodiphenylether (PBDE	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
2170	2,3,4,2',4',5'-Hexabromodiphenylethe	µg/l	0,0005	<	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	
X-ray contrast agents 340																					
6051	Diatrizoic acid	µg/l	0,01	<		0,01		0,01	0,01			0,02	<	6	<	*	*	<	*	0,02	
6053	Iohexol	µg/l	0,04	<		<		0,1	0,05			0,1	0,04	6	<	*	*	0,055	*	0,1	
6054	Iomeprol	µg/l		0,03		0,11		0,13	0,07			0,17	0,06	6	0,03	*	*	0,095	*	0,17	
6055	Iopamidol	µg/l	0,01	<		0,1		<	<			<	<	6	<	*	*	0,0208	*	0,1	
6056	Iopanoic acid	µg/l	0,01	<		<		<	<			<	<	6	<	*	*	<	*	<	
6057	Iopromide	µg/l		0,14		0,4		0,22	0,15			0,21	0,13	6	0,13	*	*	0,208	*	0,4	
6058	Iothalamic acid	µg/l	0,01	<		<		<	<			<	<	6	<	*	*	<	*	<	
6059	Ioxaglic acid	µg/l	0,1	<		<		<	<			0,11	<	6	<	*	*	<	*	0,11	
6060	Ioxitalamic acid	µg/l		0,06		0,1		0,09	0,08			0,11	0,05	6	0,05	*	*	0,0817	*	0,11	
Chemotherapy 345																					
6037	Cyclophosphamide	µg/l	0,0001	<				0,0003	0,0001				<	4	<	*	*	0,00125	*	0,0003	
6038	Ifosfamid	µg/l	0,0002	<				<	<				<	4	<	*	*	<	*	<	
Antibiotics 310																					
6003	Chloramphenicol	µg/l	0,002	<				<	<				<	4	<	*	*	<	*	<	
6006	Clarithromycin	µg/l	0,05	<		<		<	<			<	<	6	<	*	*	<	*	<	
6015	Furazolidone	µg/l	0,1	<		<		<	<			<	<	6	<	*	*	<	*	<	
6022	Oxacillin	µg/l	0,011	<				<	<			<	<	4	<	*	*	<	*	<	
6032	Sulfamethoxazole	µg/l	0,004	<				0,01	<			<	<	4	<	*	*	<	*	0,01	
6034	Trimethoprim	µg/l	0,002	0,005				0,003	<			<	0,014	4	<	*	*	0,00575	*	0,014	
6079	Lincomycin	µg/l	0,0001	0,002				0,002	<			<	0,001	4	<	*	*	0,00126	*	0,002	
6086	Tiamulin	µg/l	0,002	0,003				<	<			<	<	4	<	*	*	<	*	0,003	
6091	Sulfaquinoxaline	µg/l	0,0002	<				<	<			<	<	3	*	*	*	*	*	*	
6109	theophylline	µg/l	0,015	<				<	<			0,067	<	4	<	*	*	0,0224	*	0,067	
Antibiotics (Sulphamides) 315																					
6093	Sulfadimethoxine	µg/l	0,01	<		<		<	<			<	<	6	<	*	*	<	*	<	

dinsdag 6 januari 2015

■ MDL = Method Detection Limit ■ n = number of observations per year ■ min = minimum ■ p10 p50 p90 = percentiles ■ mea = mean ■ max = maximum ■ * = insufficient number of data for statistics (for explanation of pictograms: see last page of this report) ■ ! = data series completely or partly composed using data estimated by neural network.

The values given in the tables under the different month columns can be both single values and average values, depending on the frequency with which measurements are taken. But to calculate the statistical key figures, the individual values measured are always used. These individual values are of course available from us on request.



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max
Beta-adrenergic blocking agents an 320																				
6042	Atenolol	µg/l	0,0001	0,008			0,008	<				0,005		4	<	*	*	,00526	*	0,008
6044	Bisoprolol	µg/l	0,0002	0,003			0,017	<				0,003		4	<	*	*	,00577	*	0,017
6045	Metoprolol	µg/l	0,005	0,014			0,013	<				0,01		4	<	*	*	,00987	*	0,014
6047	Propranolol	µg/l		0,008			0,02							2	*	*	*	*	*	*
6048	Sotalol	µg/l	0,05	<	0,06		0,07	<		0,07		<		6	<	*	*	<	*	0,07
6171	hydrochlorthiazide	µg/l	0,004	0,033			0,015	<				0,21		4	<	*	*	0,065	*	0,21
Analgesic and anti-inflammatory dr 350																				
2061	Lidocaine	µg/l	0,01	<	<		<	<		0,01		<		6	<	*	*	<	*	0,01
6068	Diclofenac	µg/l	0,004	<				<				<		3	*	*	*	*	*	*
6071	Ibuprofen	µg/l	0,032	<			0,042	<				<		4	<	*	*	<	*	0,042
6073	Ketoprofen	µg/l	0,002	<			<	<				<		4	<	*	*	<	*	<
6074	Naproxen	µg/l	0,0006	0,011			0,017	<				<		4	<	*	*	,00715	*	0,017
6075	Phenazone	µg/l	0,0002	<			0,0006	<				<		4	<	*	*	000225	*	0,0006
6077	O-acetylsalicylic acid	µg/l	0,02	<	<		0,02	<		<		<		6	<	*	*	<	*	0,02
6085	Primidone	µg/l	0,001	0,003			0,003	<				<		4	<	*	*	,00175	*	0,003
6133	paracetamol	µg/l	0,001	<			0,005	<				0,066		4	<	*	*	0,018	*	0,066
6134	Salicylic acid	µg/l	0,011	<			0,036	<				0,049		4	<	*	*	0,024	*	0,049
Antidepressiva en verdoovende mid 355																				
6050	Diazepam	µg/l	0,0002	<				<				<		3	*	*	*	*	*	*
6115	oxazepam	µg/l	0,001	0,006			0,02	<				0,004		4	<	*	*	,00762	*	0,02
6116	temazepam	µg/l	0,0004	0,004			0,012	<				0,003		4	<	*	*	0,0048	*	0,012
6172	paroxetine	µg/l	0,003	<			<	<						3	*	*	*	*	*	*
Lipid-lowering drugs 360																				
6061	Bezafibrate	µg/l	0,0007	0,004			0,002	<				0,001		4	<	*	*	,00184	*	0,004
6062	Clofibrac acid	µg/l	0,005	<			<	<				<		4	<	*	*	<	*	<
6064	Fenofibrate	µg/l	0,002	<				<				<		3	*	*	*	*	*	*
6065	Fenofibrin acid	µg/l	0,004	0,005			<	<				<		4	<	*	*	<	*	0,005
6066	Gemfibrozil	µg/l	0,006	0,024				<				<		3	*	*	*	*	*	*
6094	Clofibrate	µg/l	0,085	<			<	<				<		3	*	*	*	*	*	*
6117	atorvastatin	µg/l	0,003	<			<	<				<		4	<	*	*	<	*	<
6118	pravastatine	µg/l	0,05	<			<	<				<		4	<	*	*	<	*	<



Heel (M690)

1-1-2013 up to 31-12-2013

sample point code HEE

	MDL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	n	min	p10	p50	mea	p90	max	
Various pharmaceuticals 370																					
1613	Caffein	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	<
1860	Carbamazepine	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	<
6111	losartan	µg/l	0,0003	<			0,053	<				0,008		4	<	*	*	0,0153	*	0,053	
6112	enalapril	µg/l	0,0002	<			<	<				<		4	<	*	*	<	*	<	
6168	Metformin	µg/l	0,07	0,14			1	<				2,8		4	<	*	*	0,994	*	2,8	
6168L	Metformin (load)	g/s	0,156				0,316	0,00774				1,53		4	0,00774	*	*	0,503	*	1,53	
6169	furosemide	µg/l	0,003	<			<	<				0,25		4	<	*	*	0,0636	*	0,25	
8620	Warfarin	µg/l	0,3	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	<
8677	loxynil	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
Endrocrin disrupting compounds (400																					
1647	Bis(2-ethylhexyl)phthalate (DEHP)	µg/l	1	3	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	2	3
2072	Bisphenol A	µg/l	0,5	<	<	<	<	<	<	<	<	<	<	94	<	<	<	<	<	<	<
2085	4-tert-Octylphenol	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
2196	Tetrabutyltin	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
2197	Triphenyltin ion	µg/l	0,005	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
2199	Dibutyltin	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
2201	Difenylnon	µg/l	0,01	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
V130	Phenol, 4-nonyl-, branched	µg/l	0,1	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
daily screening / (semi)online meas 982																					
0126H	Turbidity (online)	FTU					15,4	3,41	4,65	7,95	8,25	8,48	10,8	8	2,76	*	*	7,79	*	15,4	
1428H	Diisopropylether (online)	µg/l	1	<	<	<	<	<	<	<	<	<	<	92	<	<	<	<	<	<	1,7
unspecified substances 980																					
1961	Tetrahydrothiophene (THT)	µg/l	0,05									<	<	3	*	*	*	*	*	*	*
2013	1,1-Dichloropropene	µg/l	0,05	<	<	<	<	<	<	<	<	<	<	15	<	<	<	<	<	<	<
2036	4-Methyl-3-nitroaniline	µg/l	0,03		<		<	<	<	<		<		6	<	*	*	<	*	<	<
2066	3- and 4-Methylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
2068	2,4- and 2,5-Dimethylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
2176	3- and 4-Ethylphenol	µg/l	0,02	<	<	<	<	<	<	<	<	<	<	13	<	<	<	<	<	<	<
V121	2-Nitrophenol and 4-Nitrophenol	µg/l	0,05	<	<	0,05	0,06	<	<	0,18	<	0,08	<	13	<	<	<	<	0,14	0,18	

