

Tailfer (M520)

1-1-2016 up to 31-12-2016

|                   |     |
|-------------------|-----|
| sample point code | TAI |
|-------------------|-----|

|                            | MDL                        | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct   | Nov    | Dec    | n      | min | p10   | p50    | mea    | p90    | max    |       |            |
|----------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|-----|-------|--------|--------|--------|--------|-------|------------|
| <b>General compounds</b>   |                            |        |        |        |        |        |        |        |        |        |       |        |        |        |     |       |        |        |        |        |       | <b>010</b> |
| 0112                       | Water discharge            | m3/s   | 311    | 557    | 308    | 226    | 148    | 366    | 115    | 64,6   | 40,5  | 38,7   | 63,8   | 48,2   | 366 | 35,1  | 38,3   | 125    | 189    | 461    | 738   |            |
| 0120                       | Water temperature          | °C     | 6,1    | 7,7    | 6,6    | 12     | 15,1   | 17,8   | 20,9   | 19,8   | 20,1  | 14,5   | 8,3    | 4,8    | 24  | 4,8   | 5,45   | 12,4   | 13,2   | 20,8   | 21,3  |            |
| 0122                       | Oxygen                     | mg/l   | 12,7   | 11,9   | 12,6   | 11,9   | 11,2   | 10,6   | 10,5   | 9,4    | 9,9   | 12,3   | 13,7   | 14     | 13  | 9,4   | 9,6    | 11,9   | 11,7   | 13,9   | 14    |            |
| 0123                       | Oxygen saturation          | %      | 103    | 98,4   | 99,7   | 106    | 102    | 98,9   | 96,6   | 87,2   | 92,2  | 110    | 115    | 109    | 13  | 87,2  | 89,2   | 99,7   | 102    | 113    | 115   |            |
| 0128                       | Suspended matter           | mg/l   | 2      | 41,3   | 56     | 18,8   | 14,2   | 44,2   | 10,2   | 8,8    | 5,7   | <      | <      | <      | 2,8 | <     | <      | 8,8    | 19,2   | 73,3   | 84,8  |            |
| 0200                       | Conductivity (at 20 °C)    | mS/m   | 32,6   | 28,6   | 36,3   | 34,9   | 36     | 37,5   | 38,9   | 41     | 47,4  | 49,6   | 48,7   | 47,1   | 24  | 27    | 30,7   | 38,4   | 39,4   | 49,5   | 49,6  |            |
| 0250                       | Total hardness             | mmol/l | 1,64   | 1,49   | 1,95   | 1,85   | 1,89   | 2      | 2,06   | 2,12   | 2,4   | 2,52   | 2,49   | 2,49   | 24  | 1,4   | 1,59   | 2,02   | 2,05   | 2,52   | 2,54  |            |
| <b>Radio activity</b>      |                            |        |        |        |        |        |        |        |        |        |       |        |        |        |     |       |        |        |        |        |       | <b>020</b> |
| 0161                       | alpha Radioactivity, total | Bq/l   | 0,05   | <      | <      | <      | <      | <      | <      | <      | <     | <      | <      | <      | 21  | <     | <      | <      | <      | <      | 0,062 |            |
| 0164                       | Tritium (H-3)              | Bq/l   | 5      | 15     | <      | 7,72   | 7,89   | 20,1   | 7,93   | 17,8   | 15,3  | 29,9   | 32,1   | 34,3   | 94  | <     | <      | 5,5    | 18,3   | 44,5   | 55    |            |
| <b>Inorganic compounds</b> |                            |        |        |        |        |        |        |        |        |        |       |        |        |        |     |       |        |        |        |        |       | <b>030</b> |
| 0222                       | Bicarbonate                | mg/l   | 161    | 151    | 193    | 182    | 191    | 210    | 204    | 208    | 225   | 236    | 225    | 224    | 24  | 138   | 158    | 209    | 199    | 233    | 237   |            |
| 0230                       | Chloride                   | mg/l   | 14     | 10,3   | 14,2   | 12,7   | 13,5   | 10,4   | 14,2   | 16,8   | 21,2  | 22,5   | 22,2   | 16,6   | 24  | 9,6   | 10,3   | 14,2   | 15,6   | 22,5   | 23    |            |
| 0230L                      | Chloride (load)            | kg/s   | 4,35   | 6,67   | 4,88   | 2,86   | 2,69   | 3,01   | 1,67   | 1      | 0,894 | 0,816  | 1,75   | 0,784  | 24  | 0,784 | 0,816  | 2,17   | 2,69   | 6,67   | 7,27  |            |
| 0232                       | Sulfate                    | mg/l   | 25,6   | 17,9   | 23     | 24,7   | 25,3   | 20,7   | 30,5   | 35,9   | 49,3  | 54,8   | 55,2   | 49,3   | 24  | 17,8  | 18,9   | 27,7   | 33,3   | 54,8   | 56,7  |            |
| 0288                       | Silicate (Si)              | mg/l   | 3,1    | 3,1    | 2,8    | 2,3    | 2,2    | 3,6    | 2,3    | 2,5    | 2,7   | 4,8    | 2,4    | 3,8    | 13  | 2     | 2,12   | 2,7    | 2,91   | 4,4    | 4,8   |            |
| 0380                       | Bromide                    | mg/l   | 0,0225 | 0,016  | 0,024  | 0,0215 | 0,0217 | 0,0245 | 0,029  | 0,028  | 0,041 | 0,0395 | 0,0315 | 0,027  | 25  | 0,015 | 0,0194 | 0,027  | 0,0275 | 0,0394 | 0,045 |            |
| 0382                       | Fluoride                   | mg/l   | 0,091  | 0,092  | 0,092  | 0,089  | 0,0967 | 0,103  | 0,103  | 0,106  | 0,112 | 0,1    | 0,107  | 0,13   | 24  | 0,087 | 0,0895 | 0,1    | 0,1    | 0,112  | 0,13  |            |
| 0386                       | Cyanide, total             | µg/l   | 1      | <      | <      | <      | <      | <      | <      | <      | <     | <      | <      | <      | 13  | <     | <      | <      | <      | <      | 1     |            |
| 0394                       | Bromate                    | µg/l   | 0,5    | <      | <      | <      | <      | <      | <      | 0,775  | 2,5   | <      | <      | <      | 25  | <     | <      | 0,562  | 2,04   | 3,2    |       |            |
| 0396                       | Chlorate                   | µg/l   | 10     | <      | <      | <      | 166    | <      | <      | <      | 29,5  | 26     | <      | 59     | 25  | <     | <      | <      | 31,3   | 116    | 327   |            |
| <b>Nutrients</b>           |                            |        |        |        |        |        |        |        |        |        |       |        |        |        |     |       |        |        |        |        |       | <b>040</b> |
| 0271                       | Ammonium (NH4)             | mg/l   | 0,0515 | <      | 0,0966 | <      | <      | 0,0859 | <      | <      | <     | <      | <      | 0,0644 | 24  | <     | <      | <      | <      | 0,0966 | 0,155 |            |
| 0274                       | Kjeldahl Nitrogen          | mg/l   | 1      | 1,7    | 2,2    | 1,1    | 1,2    | 1,6    | 1,2    | 2,1    | 2,6   | 2,3    | 2      | 7      | 13  | <     | <      | 2,1    | 2,25   | 5,28   | 7     |            |
| 0281                       | Nitrite (NO2)              | mg/l   | 0,0328 | 0,0657 | 0,0985 | 0,0493 | 0,0493 | 0,0657 | 0,0493 | 0,0328 | <     | 0,0328 | <      | 0,0411 | 24  | <     | <      | 0,0328 | 0,05   | 0,0985 | 0,131 |            |
| 0283                       | Nitrate (NO3)              | mg/l   | 15,1   | 12,2   | 14,4   | 13,1   | 11,8   | 9,52   | 12,2   | 12,8   | 13,1  | 13,5   | 14,2   | 23     | 24  | 7,53  | 11,5   | 12,8   | 13,3   | 16,2   | 23    |            |
| 0284D                      | Orthophosphate (PO4)       | mg/l   | 0,124  | 0,109  | 0,084  | 0,0993 | 0,166  | 0,178  | 0,131  | 0,124  | 0,237 | 0,159  | 0,145  | 0,238  | 13  | 0,084 | 0,0901 | 0,145  | 0,151  | 0,238  | 0,238 |            |
| 0286D                      | Total phosphate (PO4)      | mg/l   | 0,307  | 0,307  | 0,307  | <      | <      | 0,383  | <      | <      | <     | <      | <      | <      | 13  | <     | <      | <      | <      | 0,491  | 0,613 |            |



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|                                  | MDL                                    | Jan      | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    | n    | min    | p10   | p50  | mea    | p90    | max    |       |       |  |
|----------------------------------|--|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|-------|------|--------|--------|--------|-------|-------|--|
| <b>Group compounds</b>           |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| <b>070</b>                       |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| 0403                             | Dissolved organic carbon (DOC)         | mg/l     | 2,83   | 3,06   | 2,36   | 2,26   | 2,46   | 3,6    | 2,39   | 2,36   | 2,04   | 2,12   | 2,35   | 2,93 | 50     | 1,62  | 1,91 | 2,32   | 2,54   | 3,34   | 4,55  |       |  |
| 0404                             | Chemical oxygen demand (COD)           | mg/l     | 5      | 16     | 29     | 9      | 9      | 13     | 8      | 6      | <      | 5      | <      | 9    | 13     | <     | <    | 8      | 10     | 24,6   | 29    |       |  |
| 0406                             | Biochemical oxygen demand (BOD5)       | mg/l     | 4      | 4      | 4      | <      | <      | <      | <      | <      | <      | <      | <      | <    | 13     | <     | <    | <      | <      | 4      | 4     |       |  |
| 0412                             | Colour (Pt/Co scale)                   | mg/l     |        | 17     | 22     | 13     | 17     | 19     | 17     | 18     | 9      | 8      | 10     | 16   | 13     | 8     | 8    | 16     | 14,8   | 23,2   | 24    |       |  |
| <b>Summend compounds</b>         |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| <b>080</b>                       |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| 0366                             | Wolman salts (As, Cr, Cu sum)          | µg/l     | 7,5    | 9,9    | 11,6   | <      | <      | 9,27   | <      | <      | <      | <      | <      | <    | 13     | <     | <    | <      | <      | 13,5   | 14,8  |       |  |
| 0366L                            | Wolman salts (As, Cr, Cu sum) (load    | g/s      |        | 4,18   | 6,84   | 1,77   | 1,06   | 2,48   | 0,775  | 0,479  | 0,197  | 0,145  | 0,132  | 0,36 | 0,132  | 0,137 | 0,59 | 1,62   | 5,86   | 6,84   | 6,84  |       |  |
| 0459                             | PAH, total (6 of Borneff)              | µg/l     | 0,0149 | 0,039  | 0,0515 | 0,0255 | 0,029  | 0,0457 | 0,031  | 0,0235 | 0,0215 | 0,0205 | 0,0185 | <    | <      | 13    | <    | 0,0235 | 0,0282 | 0,0644 | 0,073 |       |  |
| 0460                             | PAH, total of 16 EPA compounds         | µg/l     | 0,24   | <      | <      | <      | <      | <      | <      | <      | <      | <      | <      | <    | 13     | <     | <    | <      | <      | <      | <     |       |  |
| 0461                             | PAH, total of 10 "waterleidingbesluit" | µg/l     | 0,0249 | 0,0865 | 0,11   | 0,0564 | 0,0549 | 0,0817 | 0,0559 | 0,0444 | 0,0314 | 0,0304 | 0,0284 | <    | 0,0294 | 13    | <    | 0,0444 | 0,0541 | 0,122  | 0,13  |       |  |
| <b>Biological compounds</b>      |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| <b>090</b>                       |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| 0614                             | Coliform bacteria, (37 °C, confirmed)  | n/100 ml |        | 15500  | 16000  | 11000  | 3080   | 12700  | 3870   | 4110   | 1260   | 450    | 1420   | 1550 | 3450   | 13    | 450  | 774    | 3450   | 6710   | 20900 | 24200 |  |
| 0626                             | Escherichia coli (confirmed)           | n/100 ml |        | 3870   | 3700   | 2200   | 840    | 1660   | 840    | 260    | 160    | 60     | 290    | 360  | 840    | 13    | 60   | 100    | 840    | 1290   | 3800  | 3870  |  |
| 0634                             | Enterococci spp                        | n/100 ml |        | 1400   |        | 460    | 80     | 1210   |        | 285    | 53     | 21     | 20     | 43   | 46     | 11    | 20   | 20,2   | 53     | 439    | 2200  | 2400  |  |
| 0664                             | Clostridium perfringens (incl. spoers) | n/100 ml |        | 1600   | 1560   | 680    | 400    | 420    | 300    | 120    | 100    | 20     | 60     | 52   | 120    | 13    | 20   | 32,8   | 120    | 450    | 1580  | 1600  |  |
| <b>Hydrobiological compounds</b> |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| <b>095</b>                       |  |          |        |        |        |        |        |        |        |        |        |        |        |      |        |       |      |        |        |        |       |       |  |
| 7100                             | Chlorophyll-a                          | µg/l     | 1      | <      | <      | <      | <      | <      | <      | <      | <      | <      | <      | <    | 24     | <     | <    | <      | <      | <      | <     | 2     |  |



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|                                 | MDL                                       | Jan        | Feb  | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov    | Dec   | n     | min   | p10    | p50    | mea   | p90   | max   |      |  |
|---------------------------------|---|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|-------|------|--|
| <b>Metals</b>                   |   | <b>050</b> |      |       |       |       |       |       |       |       |       |        |       |       |       |        |        |       |       |       |      |  |
| 0240                            | Sodium                                    | mg/l       | 9,1  | 6,85  | 9,15  | 8,9   | 9,87  | 7,5   | 11    | 12,7  | 17    | 18,5   | 17,3  | 11,7  | 24    | 6,8    | 6,95   | 10,5  | 11,5  | 18,3  | 18,9 |  |
| 0242                            | Potassium                                 | mg/l       | 2,05 | 1,95  | 1,9   | 2,05  | 2,13  | 2,3   | 2,4   | 2,65  | 3,05  | 3,2    | 3,65  | 3,4   | 24    | 1,8    | 1,9    | 2,3   | 2,51  | 3,5   | 3,7  |  |
| 0244                            | Calcium                                   | mg/l       | 58   | 53    | 70,5  | 66,5  | 67    | 72    | 73,5  | 75,5  | 86    | 91     | 89    | 88    | 24    | 49     | 56,5   | 72,5  | 73,3  | 91    | 92   |  |
| 0246                            | Magnesium                                 | mg/l       | 4,7  | 4,15  | 4,7   | 4,7   | 5,23  | 5     | 5,4   | 5,8   | 6,3   | 6,05   | 6,45  | 7,2   | 24    | 4,1    | 4,2    | 5,25  | 5,39  | 6,65  | 7,2  |  |
| 0300                            | Iron                                      | mg/l       | 2,69 | 3,53  | 1,07  | 0,78  | 1,91  | 0,618 | 0,457 | 0,243 | 0,104 | 0,0494 | 0,078 | 0,216 | 13    | 0,0494 | 0,0608 | 0,457 | 1,05  | 3,53  | 3,53 |  |
| 0306                            | Manganese                                 | µg/l       |      | 138   |       | 30    | 98    | 18,4  | 26,1  | 20    | 19,3  | 5,6    | 21,4  | 10    | 5,6   | 6,84   | 20,7   | 47,5  | 174   | 178   | 178  |  |
| 0312                            | Antimony                                  | µg/l       | 0,5  | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | <     | <    |  |
| 0314                            | Arsenic                                   | µg/l       | 2    | 2     | 2     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | 2     | 2    |  |
| 0316                            | Barium                                    | µg/l       | 24,8 | 32,7  | 18,6  | 17,5  | 25,5  | 22,3  | 21,4  | 20,6  | 20,2  | 17,9   | 19    | 18,3  | 13    | 17,5   | 17,6   | 20,2  | 21,9  | 33,1  | 33,3 |  |
| 0318                            | Beryllium                                 | µg/l       | 0,5  | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | <     | <    |  |
| 0323                            | Boron                                     | µg/l       | 45   | 23    | 18    | 13    | 24,5  | 25    | 29    | 22    | 22    | 30     | 23    | 30    | 13    | 13     | 15     | 23    | 25,3  | 39,4  | 45   |  |
| 0324                            | Cadmium                                   | µg/l       | 0,5  | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | <     | <    |  |
| 0326                            | Chromium                                  | µg/l       | 5    | 5,4   | 7,1   | <     | <     | 5,15  | <     | <     | <     | <      | <     | 12    | <     | <      | <      | <     | 7,59  | 7,8   | 7,8  |  |
| 0328                            | Cobalt                                    | µg/l       | 5    | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 12    | <     | <      | <      | <     | <     | <     | <    |  |
| 0330                            | Copper                                    | µg/l       | 5    | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 11    | <     | <      | <      | <     | 5,3   | 6     | 6    |  |
| 0332                            | Mercury                                   | µg/l       | 0,1  | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | <     | <    |  |
| 0334                            | Lead                                      | µg/l       | 0,5  | 3,2   | 4,7   | 1,5   | 1,1   | 2,75  | 1     | 0,8   | <     | <      | <     | 13    | <     | <      | 0,8    | 1,47  | 4,88  | 5     | 5    |  |
| 0340                            | Nickel                                    | µg/l       | 5    | 6     | <     | <     | 6     | <     | 6     | 5     | <     | <      | <     | 12    | <     | <      | <      | <     | 6,7   | 7     | 7    |  |
| 0342                            | Selenium                                  | µg/l       | 2    | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | <     | <    |  |
| 0343                            | Strontium                                 | µg/l       | 188  | 132   | 158   | 146   | 174   | 172   | 168   | 197   | 445   | 213    | 218   | 12    | 132   | 136    | 174    | 199   | 377   | 445   | 445  |  |
| 0344                            | Thallium                                  | µg/l       | 0,3  | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | <     | <    |  |
| 0352                            | Silver                                    | µg/l       | 1    | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | <     | <     | <    |  |
| 0354                            | Zinc                                      | µg/l       | 5    | 27    | 28    | <     | 10    | 20    | <     | 9     | <     | <      | <     | 12    | <     | <      | <      | 10,7  | 31,5  | 33    | 33   |  |
| 0366                            | Wolman salts (As, Cr, Cu sum)             | µg/l       | 7,5  | 9,9   | 11,6  | <     | <     | 9,27  | <     | <     | <     | <      | <     | 13    | <     | <      | <      | <     | 13,5  | 14,8  | 14,8 |  |
| 0375                            | Uranium                                   | µg/l       | 0,21 | 0,35  | 0,3   | 0,3   | 0,345 | 0,37  | 0,36  | 0,35  | 0,39  | 0,45   | 0,29  | 0,44  | 13    | 0,21   | 0,234  | 0,35  | 0,346 | 0,446 | 0,45 |  |
| <b>Metals, after filtration</b> |   | <b>055</b> |      |       |       |       |       |       |       |       |       |        |       |       |       |        |        |       |       |       |      |  |
| 0311                            | Aluminium, 0.45 µm filtrate               | µg/l       | 13   | 18    | 16    | 15    | 10    | 10    | 15    | 6     | 5     | 3      | 2     | 3     | 13    | 2      | 2,4    | 10    | 9,69  | 17,2  | 18   |  |
| <b>Complex buiders</b>          |   | <b>060</b> |      |       |       |       |       |       |       |       |       |        |       |       |       |        |        |       |       |       |      |  |
| 1793                            | Nitritotriacetic acid (NTA)               | µg/l       | 0,5  | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 12    | <     | <      | <      | <     | <     | <     | <    |  |
| 1794                            | Ethylendiaminetetraacetic acid (ED)       | µg/l       | 4    | 1,3   | 1,4   | 1,5   | 3,3   | 1,3   | 2     | 3,3   | 3,5   | 4,1    | 4,7   | 12    | 1,3   | 1,3    | 3,3    | 2,81  | 4,52  | 4,7   | 4,7  |  |
| 1794L                           | Ethylendiaminetetraacetic acid (ED)       | g/s        | 1,69 | 0,766 | 0,661 | 0,423 | 0,748 | 0,269 | 0,256 | 0,173 | 0,135 | 0,144  | 0,239 | 12    | 0,135 | 0,138  | 0,346  | 0,521 | 1,48  | 1,69  | 1,69 |  |
| 2003                            | Diethylenetriaminepentaacetic acid (DTPA) | µg/l       | 1    | <     | <     | <     | <     | <     | <     | <     | <     | <      | <     | 12    | <     | <      | <      | <     | <     | <     | <    |  |



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|  | MDL                           | Jan  | Feb   | Mar   | Apr   | May   | Jun   | Jul     | Aug   | Sep   | Oct   | Nov   | Dec   | n  | min | p10 | p50   | mea     | p90    | max    |       |
|--|-------------------------------|------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|----|-----|-----|-------|---------|--------|--------|-------|
| <b>Mono cyclistic aromatic hydrocarbo 170</b>  |                               |      |       |       |       |       |       |         |       |       |       |       |       |    |     |     |       |         |        |        |       |
| 1080   | 1,2-Dimethylbenzene           | µg/l | 0,2   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1088   | Ethynylbenzene                | µg/l | 0,3   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 12  | <   | <     | <       | <      | <      | <     |
| 1089   | Ethylbenzene                  | µg/l | 0,2   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1098   | Methylbenzene                 | µg/l | 0,1   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1119   | 1,2-Dichlorobenzene           | µg/l | 0,1   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1120   | 1,3-Dichlorobenzene           | µg/l | 0,1   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1121   | 1,4-Dichlorobenzene           | µg/l | 0,2   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1131   | 1,2,3-Trichlorobenzene        | µg/l | 0,1   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1132   | 1,2,4-Trichlorobenzene        | µg/l | 0,1   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1133   | 1,3,5-Trichlorobenzene        | µg/l | 0,1   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1797   | Iso-propylbenzene             | µg/l | 0,2   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1832   | 1,3,5-Trimethylbenzene        | µg/l | 0,2   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1951   | 1,2,4-Trimethylbenzene        | µg/l | 0,2   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1952   | 1,2,3-Trimethylbenzene        | µg/l | 0,1   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 2039   | 1,3- and 1,4-Dimethylbenzene  | µg/l | 0,2   | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| V329   | Trichlorobenzenes (3 isomers) | µg/l | 0,15  | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| <b>Poly cyclistic aromatic hydrocarbon 180</b> |                               |      |       |       |       |       |       |         |       |       |       |       |       |    |     |     |       |         |        |        |       |
| 1161   | Acenaphthene                  | µg/l | 0,005 | 0,01  | 0,009 | 0,006 | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | 0,0096 | 0,01  |
| 1162   | Acenaphthylene                | µg/l | 0,01  | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1163   | Anthracene                    | µg/l | 0,005 | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1165   | Benzo(a)anthracene            | µg/l | 0,005 | <     | 0,007 | <     | <     | 0,00575 | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | 0,0082 | 0,009 |
| 1166   | Benzo(b)fluoranthene          | µg/l | 0,005 | 0,006 | 0,009 | <     | 0,006 | 0,00775 | 0,005 | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | 0,0114 | 0,013 |
| 1167   | Benzo(k)fluoranthene          | µg/l | 0,005 | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | 0,005 |
| 1168   | Benzo(ghi)perylene            | µg/l | 0,005 | <     | <     | <     | <     | 0,00525 | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | 0,0058 | 0,008 |
| 1169   | Benzo(a)pyrene                | µg/l | 0,005 | <     | 0,006 | <     | <     | 0,00525 | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | 0,0072 | 0,008 |
| 1172   | Chrysene                      | µg/l | 0,005 | 0,006 | 0,009 | <     | <     | 0,00725 | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | 0,0108 | 0,012 |
| 1173   | Dibenzo(a,h)anthracene        | µg/l | 0,005 | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | <  | 13  | <   | <     | <       | <      | <      | <     |
| 1180   | Phenanthrene                  | µg/l | 0,005 | 0,023 | 0,025 | 0,017 | 0,012 | 0,0135  | 0,01  | 0,009 | <     | <     | 0,007 | 13 | <   | <   | 0,009 | 0,0108  | 0,0242 | 0,025  |       |
| 1181   | Fluoranthene                  | µg/l | 0,005 | 0,023 | 0,029 | 0,013 | 0,013 | 0,019   | 0,016 | 0,011 | 0,009 | 0,008 | 0,006 | 13 | <   | <   | 0,011 | 0,0132  | 0,0308 | 0,032  |       |
| 1182   | Fluorene                      | µg/l | 0,005 | 0,007 | 0,007 | 0,006 | <     | 0,0122  | <     | <     | <     | <     | <     | 13 | <   | <   | <     | <       | <      | 0,016  | 0,022 |
| 1183   | Indeno(1,2,3-cd)pyrene        | µg/l | 0,005 | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | 13 | <   | <   | <     | <       | <      | 0,0052 | 0,007 |
| 1188   | Pyrene                        | µg/l | 0,005 | 0,016 | 0,021 | 0,009 | 0,009 | 0,0122  | 0,01  | 0,007 | <     | <     | <     | 13 | <   | <   | 0,007 | 0,00838 | 0,0216 | 0,022  |       |
| 8450   | Naphthalene                   | µg/l | 0,03  | <     | <     | <     | <     | <       | <     | <     | <     | <     | <     | 13 | <   | <   | <     | <       | <      | <      | <     |

woensdag 23 augustus 2017

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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.



**Tailfer (M520)**

1-1-2016 up to 31-12-2016

sample point code TAI

|                                  |                                     | MDL        | Jan   | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | n  | min | p10 | p50 | mea | p90 | max |
|----------------------------------|-------------------------------------|------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| <b>Organochlorine pesticides</b> |                                     | <b>200</b> |       |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |
| 8006                             | Aldrin                              | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8162                             | o,p-DDD                             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8163                             | p,p-DDD                             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8164                             | o,p-DDE                             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8165                             | p,p-DDE                             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8166                             | o,p-DDT                             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8167                             | p,p-DDT                             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8199                             | 2,6-Dichlorobenzamide (BAM)         | µg/l       | 0,02  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 24 | <   | <   | <   | <   | <   | <   |
| 8217                             | Dieldrin                            | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8263                             | alpha-Endosulfan                    | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8264                             | beta-Endosulfan                     | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8265                             | Endosulfansulfate                   | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8268                             | Endrin                              | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 8  | <   | *   | *   | <   | *   | <   |
| 8358                             | Heptachlor                          | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8359                             | Heptachloroepoxide (cis + trans)    | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8361                             | Hexachlorobenzene (HCB)             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8362                             | alpha-Hexachlorocyclohexane (alph   | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8363                             | beta-Hexachlorocyclohexane (beta-   | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8379                             | Isodrin                             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8393                             | Lindane (gamma-HCH)                 | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8428                             | Methoxychlor                        | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8556                             | Tecnazene                           | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8560                             | Telodrin                            | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8629                             | delta-Hexachlorocyclohexane (delta- | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8630                             | cis-Heptachlorepoxyde               | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8631                             | trans-Heptachlorepoxyde             | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8633                             | Endrinaldehyde                      | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8640                             | cis-Chlordane                       | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| 8641                             | trans-Chlordane                     | µg/l       | 0,01  | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |
| V328                             | Endosulfan (3 isomers)              | µg/l       | 0,015 | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | <   | 13 | <   | <   | <   | <   | <   | <   |

woensdag 23 augustus 2017

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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.



Tailfer (M520)

1-1-2016 up to 31-12-2016

sample point code TAI

|   | MDL                              | Jan  | Feb    | Mar    | Apr    | May     | Jun     | Jul     | Aug     | Sep     | Oct      | Nov     | Dec     | n       | min | p10     | p50     | mea     | p90     | max    |        |
|---|----------------------------------|------|--------|--------|--------|---------|---------|---------|---------|---------|----------|---------|---------|---------|-----|---------|---------|---------|---------|--------|--------|
| <b>Organophosphorus and -sulphur pe 210</b> |                                  |      |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8028  | Azinphos-ethyl                   | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8029  | Azinphos-methyl                  | µg/l | 0,025  | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8044  | Bentazon                         | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 24  | <       | <       | <       | <       | <      | 0,015  |
| 8108  | Chlorfenvinphos                  | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8112  | Chlorpyriphos-methyl             | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8238  | Dimethoate                       | µg/l | 0,015  | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8340  | Phosalon                         | µg/l | 0,015  | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8354  | Glyphosate                       | µg/l | 0,05   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 13  | <       | <       | <       | <       | <      | 0,052  |
| 8354L                                       | Glyphosate (load)                | g/s  | 0,0106 | 0,0147 | 0,0118 | 0,00705 | 0,00966 | 0,00516 | 0,00319 | 0,00131 | 0,000966 | 0,00088 | 0,00127 | 0,00118 | 13  | 0,00088 | 0,00915 | 0,00393 | 0,00596 | 0,0151 | 0,0154 |
| 8396  | Malathion                        | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8423  | Methidathion                     | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8482  | Parathion-ethyl                  | µg/l | 0,015  | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8483  | Parathion-methyl                 | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8518  | Propetamphos                     | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8632  | Aminomethylphosphonic acid (AMP) | µg/l | 0,025  | 0,031  | 0,025  | <       | 0,062   | 0,0915  | 0,044   | 0,115   | 0,19     | 0,165   | 0,223   | 0,153   | 13  | <       | <       | 0,115   | 0,105   | 0,21   | 0,223  |
| 8632L                                       | Aminomethylphosphonic acid (AMP) | g/s  | 0,0131 | 0,0147 | 0,0059 | 0,0175  | 0,0228  | 0,00909 | 0,0147  | 0,00997 | 0,00638  | 0,00786 | 0,00776 | 0,00755 | 13  | 0,0059  | 0,00609 | 0,00975 | 0,0123  | 0,0285 | 0,0358 |
| 8652  | Chlorpyriphosethyl               | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 11  | <       | <       | <       | <       | <      | <      |
| 8702  | Nicosulfuron                     | µg/l | 0,02   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 24  | <       | <       | <       | <       | <      | <      |
| 9000  | Mevinphos                        | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 10  | <       | <       | <       | <       | <      | <      |
| <b>Organonitrogen pesticides 220</b>        |                                  |      |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8057  | Bromacil                         | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 24  | <       | <       | <       | <       | <      | <      |
| 8127  | Chloridazon                      | µg/l | 0,025  | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 24  | <       | <       | <       | <       | <      | <      |
| 8732  | Chloridazon-desphenyl            | µg/l | 0,04   | 0,052  | <      | <       | 0,061   | 0,0607  | <       | 0,054   | 0,0765   | 0,079   | <       | 0,064   | 24  | <       | <       | 0,0555  | 0,052   | 0,0825 | 0,084  |
| <b>Biocides 285</b>                         |                                  |      |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8079  | Carbendazim                      | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 24  | <       | <       | <       | <       | <      | <      |
| 8169  | Diethyltoluamide (DEET)          | µg/l | 0,02   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 13  | <       | <       | <       | <       | <      | <      |
| 8209  | Dichlorvos                       | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 10  | <       | <       | <       | <       | <      | <      |
| <b>Benzimidazole Fungicides 470</b>         |                                  |      |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8079  | Carbendazim                      | µg/l | 0,01   | <      | <      | <       | <       | <       | <       | <       | <        | <       | <       | <       | 24  | <       | <       | <       | <       | <      | <      |



**Tailfer (M520)**

1-1-2016 up to 31-12-2016

|                   |     |
|-------------------|-----|
| sample point code | TAI |
|-------------------|-----|

|                                     | MDL                                  | Jan  | Feb   | Mar | Apr | May | Jun   | Jul   | Aug    | Sep | Oct | Nov    | Dec   | n  | min | p10 | p50 | mea    | p90    | max    |       |
|-------------------------------------|--------------------------------------|------|-------|-----|-----|-----|-------|-------|--------|-----|-----|--------|-------|----|-----|-----|-----|--------|--------|--------|-------|
| <b>Chlorophenoxy herbicides 230</b> |                                      |      |       |     |     |     |       |       |        |     |     |        |       |    |     |     |     |        |        |        |       |
| 8150                                | 2,4-Dichlorophenoxyacetic acid (2,4- | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| 8204                                | 2,4-Dichlorprop (2,4-DP)             | µg/l | 0,01  | <   | <   | <   | 0,019 | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | 0,033 |
| 8401                                | 4-Chloro-2-methylphenoxyacetic aci   | µg/l | 0,01  | <   | <   | <   | 0,021 | 0,012 | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | 0,0155 | 0,037 |
| 8404                                | Mecoprop (MCP)                       | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| 8551                                | 2,4,5-Trichlorophenoxyacetic acid (2 | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| 8593                                | 2-(2,4,5-Trichlorophenoxy)propionic  | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| <b>Dinitrophenol herbicides 250</b> |                                      |      |       |     |     |     |       |       |        |     |     |        |       |    |     |     |     |        |        |        |       |
| 8248                                | Dinoseb (2-sec-butyl-4,6-dinitrophe  | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| <b>Phenoxy Herbicides 550</b>       |                                      |      |       |     |     |     |       |       |        |     |     |        |       |    |     |     |     |        |        |        |       |
| 8150                                | 2,4-Dichlorophenoxyacetic acid (2,4- | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| 8204                                | 2,4-Dichlorprop (2,4-DP)             | µg/l | 0,01  | <   | <   | <   | 0,019 | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | 0,033 |
| 8401                                | 4-Chloro-2-methylphenoxyacetic aci   | µg/l | 0,01  | <   | <   | <   | 0,021 | 0,012 | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | 0,0155 | 0,037 |
| 8404                                | Mecoprop (MCP)                       | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| <b>Amide Herbicides 560</b>         |                                      |      |       |     |     |     |       |       |        |     |     |        |       |    |     |     |     |        |        |        |       |
| 8682                                | Dimethenamid                         | µg/l | 0,02  | <   | <   | <   | <     | 0,059 | 0,0355 | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | 0,053  | 0,122 |
| <b>Anilide Herbicides 570</b>       |                                      |      |       |     |     |     |       |       |        |     |     |        |       |    |     |     |     |        |        |        |       |
| 8417                                | Metazachlor                          | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | 0,013 | 24 | <   | <   | <   | <      | <      | <      | 0,013 |
| <b>Sulfonylurea Herbicides 610</b>  |                                      |      |       |     |     |     |       |       |        |     |     |        |       |    |     |     |     |        |        |        |       |
| 8702                                | Nicosulfuron                         | µg/l | 0,02  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | <  | 24  | <   | <   | <      | <      | <      | <     |
| <b>Urea Herbicides 620</b>          |                                      |      |       |     |     |     |       |       |        |     |     |        |       |    |     |     |     |        |        |        |       |
| 8122                                | Chlortoluron                         | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | 0,0195 | 0,079 | 24 | <   | <   | <   | <      | 0,0195 | 0,079  |       |
| 8258                                | Diuron                               | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | 24 | <   | <   | <   | <      | <      | <      | <     |
| 8382                                | Isoproturon                          | µg/l | 0,01  | <   | <   | <   | 0,02  | <     | <      | <   | <   | 0,0245 | 0,087 | 24 | <   | <   | <   | 0,0113 | 0,0395 | 0,087  |       |
| 8394                                | Linuron                              | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | 24 | <   | <   | <   | <      | <      | <      | <     |
| 8418                                | Methabenzthiazuron                   | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | 24 | <   | <   | <   | <      | <      | <      | <     |
| 8434                                | Metobromuron                         | µg/l | 0,015 | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | 24 | <   | <   | <   | <      | <      | <      | 0,019 |
| 8436                                | Metoxuron                            | µg/l | 0,01  | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | 24 | <   | <   | <   | <      | <      | <      | <     |
| 8446                                | Monolinuron                          | µg/l | 0,015 | <   | <   | <   | <     | <     | <      | <   | <   | <      | <     | 24 | <   | <   | <   | <      | <      | <      | <     |



**Tailfer (M520)**

1-1-2016 up to 31-12-2016

sample point code TAI

|  | MDL                        | Jan  | Feb   | Mar    | Apr    | May    | Jun     | Jul     | Aug     | Sep     | Oct     | Nov      | Dec     | n       | min     | p10 | p50     | mea     | p90     | max     |        |        |
|--|----------------------------|------|-------|--------|--------|--------|---------|---------|---------|---------|---------|----------|---------|---------|---------|-----|---------|---------|---------|---------|--------|--------|
| <b>Triazin Herbicides 635</b>                  |                            |      |       |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8026   | Atrazine                   | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8138   | Cyanazine                  | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8415   | Metamitron                 | µg/l | 0,015 | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8435   | Metolachlor                | µg/l | 0,01  | <      | <      | <      | <       | 0,011   | 0,021   | <       | <       | <        | <       | 24      | <       | <   | <       | <       | 0,014   | 0,037   | <      |        |
| 8437   | Metribuzin                 | µg/l | 0,015 | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8512   | Prometryn                  | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8517   | Propazine                  | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8547   | Simazine                   | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8567   | Terbutryne                 | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8568   | Terbutylazine              | µg/l | 0,01  | <      | <      | <      | <       | 0,0133  | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | 0,0135  | 0,03    | <      |        |
| <b>Unclassified Herbicides 645</b>             |                            |      |       |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8044   | Bentazon                   | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | 0,015  |        |
| 8127   | Chloridazon                | µg/l | 0,025 | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| 8354   | Glyphosate                 | µg/l | 0,05  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 13      | <       | <   | <       | <       | <       | <       | 0,052  |        |
| 8354L  | Glyphosate (load)          | g/s  |       | 0,0106 | 0,0147 | 0,0118 | 0,00705 | 0,00966 | 0,00516 | 0,00319 | 0,00131 | 0,000966 | 0,00088 | 0,00127 | 0,00118 | 13  | 0,00088 | 0,00915 | 0,00393 | 0,00596 | 0,0151 | 0,0154 |
| 8612   | Trifluralin                | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 13      | <       | <   | <       | <       | <       | <       | <      |        |
| <b>Unclassified plant growth regulator 952</b> |                            |      |       |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8436   | Metoxuron                  | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| <b>Organophosphorus Insecticides 670</b>       |                            |      |       |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 8029   | Azinphos-methyl            | µg/l | 0,025 | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 11      | <       | <   | <       | <       | <       | <       | <      |        |
| 8112   | Chlorpyrifos-methyl        | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 11      | <       | <   | <       | <       | <       | <       | <      |        |
| 8209   | Dichlorvos                 | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 10      | <       | <   | <       | <       | <       | <       | <      |        |
| 8238   | Dimethoate                 | µg/l | 0,015 | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 11      | <       | <   | <       | <       | <       | <       | <      |        |
| 8340   | Phosalon                   | µg/l | 0,015 | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 11      | <       | <   | <       | <       | <       | <       | <      |        |
| 8396   | Malathion                  | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 11      | <       | <   | <       | <       | <       | <       | <      |        |
| 8652   | Chlorpyrifosethyl          | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 11      | <       | <   | <       | <       | <       | <       | <      |        |
| <b>Pesticide metabolites 954</b>               |                            |      |       |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 2251   | N,N-Dimethylsulfamid (DMS) | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 12      | <       | <   | <       | <       | <       | <       | <      |        |
| 8176   | Desethylatrazine           | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | 0,0125  | 0,016   | 0,0195   | 0,016   | 0,01    | 24      | <   | <       | 0,01    | 0,0102  | 0,0185  | 0,021  |        |
| 8178   | Desisopropylatrazine       | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | <       | <      |        |
| <b>Various pesticides and metabolics 300</b>   |                            |      |       |        |        |        |         |         |         |         |         |          |         |         |         |     |         |         |         |         |        |        |
| 2251   | N,N-Dimethylsulfamid (DMS) | µg/l | 0,01  | <      | <      | <      | <       | <       | <       | <       | <       | <        | <       | 12      | <       | <   | <       | <       | <       | <       | <      |        |
| 8682   | Dimethenamid               | µg/l | 0,02  | <      | <      | <      | <       | 0,059   | 0,0355  | <       | <       | <        | <       | 24      | <       | <   | <       | <       | <       | 0,053   | 0,122  |        |





**Tailfer (M520)**

1-1-2016 up to 31-12-2016

sample point code TAI

|   |  | MDL        | Jan  | Feb   | Mar   | Apr   | May | Jun   | Jul   | Aug | Sep   | Oct   | Nov   | Dec | n  | min | p10 | p50   | mea    | p90    | max   |
|---|--|------------|------|-------|-------|-------|-----|-------|-------|-----|-------|-------|-------|-----|----|-----|-----|-------|--------|--------|-------|
| <b>Ethers</b>                                 |  | <b>302</b> |      |       |       |       |     |       |       |     |       |       |       |     |    |     |     |       |        |        |       |
| 2043  | Methyl-tert.-butylether (MTBE)         | µg/l       | 0,25 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 2168  | Ethyl-tert.-butylether (ETBE)          | µg/l       | 0,2  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| <b>Fuel additives</b>                         |  | <b>303</b> |      |       |       |       |     |       |       |     |       |       |       |     |    |     |     |       |        |        |       |
| 2043  | Methyl-tert.-butylether (MTBE)         | µg/l       | 0,25 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 2086  | 1,2-Dibromoethane                      | µg/l       | 0,1  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 2168  | Ethyl-tert.-butylether (ETBE)          | µg/l       | 0,2  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| <b>Various organic substances</b>             |  | <b>305</b> |      |       |       |       |     |       |       |     |       |       |       |     |    |     |     |       |        |        |       |
| 1764  | Tributylphosphate (TBP)                | µg/l       | 0,01 | 0,017 | 0,027 | 0,011 | <   | 0,033 | 0,013 | <   | 0,057 | 0,035 | 0,028 | <   | 11 | <   | <   | 0,017 | 0,0215 | 0,0526 | 0,057 |
| <b>Industrial solvents</b>                    |  | <b>431</b> |      |       |       |       |     |       |       |     |       |       |       |     |    |     |     |       |        |        |       |
| 1040  | 1,2-Dichloroethane                     | µg/l       | 0,1  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1049  | Hexachlorobutadiene                    | µg/l       | 0,01 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1056  | Tetrachloroethene                      | µg/l       | 0,2  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1057  | Tetrachloromethane                     | µg/l       | 0,2  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1063  | Trichloroethene                        | µg/l       | 0,1  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1064  | Trichloromethane                       | µg/l       | 0,5  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1070  | 1,2,3-Trichloropropane                 | µg/l       | 0,1  |       |       |       |     |       |       |     |       |       |       | 1   | *  | *   | *   | *     | *      | *      |       |
| 8205  | 1,2-Dichloropropane                    | µg/l       | 0,2  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| <b>Industrial chemicals (with volatile h)</b> |  | <b>437</b> |      |       |       |       |     |       |       |     |       |       |       |     |    |     |     |       |        |        |       |
| 1039  | 1,1-Dichloroethane                     | µg/l       | 0,1  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1061  | 1,1,1-Trichloroethane                  | µg/l       | 0,2  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1062  | 1,1,2-Trichloroethane                  | µg/l       | 0,1  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 2086  | 1,2-Dibromoethane                      | µg/l       | 0,1  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| <b>Industrial chemicals (with PCBs)</b>       |  | <b>440</b> |      |       |       |       |     |       |       |     |       |       |       |     |    |     |     |       |        |        |       |
| 1220  | 2,4,4'-Trichlorobiphenyl (PCB 28)      | µg/l       | 0,01 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1293  | 2,4,5,2',5'-Pentachlorobiphenyl (PCB   | µg/l       | 0,01 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1310  | 2,4,5,3',4'-Pentachlorobiphenyl (PCB   | µg/l       | 0,01 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1330  | 2,3,4,2',4',5'-Hexachlorobiphenyl (P   | µg/l       | 0,01 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1345  | 2,4,5,2',4',5'-Hexachlorobiphenyl (P   | µg/l       | 0,01 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1372  | 2,3,4,5,2',4',5'-Heptachlorobiphenyl ( | µg/l       | 0,01 | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| <b>Disinfection byproducts (with halog</b>    |  | <b>446</b> |      |       |       |       |     |       |       |     |       |       |       |     |    |     |     |       |        |        |       |
| 1028  | Bromodichloromethane                   | µg/l       | 0,3  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1033  | Dibromochloromethane                   | µg/l       | 0,4  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |
| 1058  | Tribromomethane                        | µg/l       | 0,2  | <     | <     | <     | <   | <     | <     | <   | <     | <     | <     | <   | 13 | <   | <   | <     | <      | <      | <     |

woensdag 23 augustus 2017

■ 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.



**Tailfer (M520)**

1-1-2016 up to 31-12-2016

|                   |     |
|-------------------|-----|
| sample point code | TAI |
|-------------------|-----|

|  | MDL                               | Jan  | Feb   | Mar   | Apr | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | n | min | p10 | p50 | mea   | p90    | max    |       |  |
|--|-----------------------------------|------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|---|-----|-----|-----|-------|--------|--------|-------|--|
| <b>Antibiotics 310</b>                         |                                   |      |       |       |     |       |       |       |       |       |       |       |       |   |     |     |     |       |        |        |       |  |
| 6000   | Amoxicillin                       | µg/l | 0,02  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |
| 6005   | Ciprofloxacin                     | µg/l | 0,02  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |
| 6006   | Clarithromycin                    | µg/l | 0,01  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |
| 6007   | clindamycin                       | µg/l | 0,01  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |
| 6014   | Erythromycin                      | µg/l | 0,01  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |
| 6027   | Roxithromycin                     | µg/l | 0,01  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |
| 6032   | Sulfamethoxazole                  | µg/l | 0,02  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 13  | <   | <   | <     | <      | <      | <     |  |
| <b>Beta-adrenergic blocking agents an 320</b>  |                                   |      |       |       |     |       |       |       |       |       |       |       |       |   |     |     |     |       |        |        |       |  |
| 6045   | Metoprolol                        | µg/l | 0,02  | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 13  | <   | <   | <     | <      | <      | <     |  |
| 6048   | Sotalol                           | µg/l | 0,015 | <     | <   | <     | <     | <     | <     | <     | 0,027 | 0,037 | 0,028 |   | 13  | <   | <   | <     | <      | 0,0334 | 0,037 |  |
| <b>Analgesic and anti-inflammatory dru 350</b> |                                   |      |       |       |     |       |       |       |       |       |       |       |       |   |     |     |     |       |        |        |       |  |
| 6068   | Diclofenac                        | µg/l | 0,01  | 0,013 | <   | <     | <     | <     | <     | <     | <     | 0,037 | 0,041 |   | 13  | <   | <   | <     | 0,0108 | 0,0394 | 0,041 |  |
| 6071   | Ibuprofen                         | µg/l | 0,01  | <     | <   | 0,017 | <     | <     | 0,014 | <     | 0,013 | 0,014 | 0,011 |   | 13  | <   | <   | <     | <      | 0,0158 | 0,017 |  |
| 6074   | Naproxen                          | µg/l | 0,01  | 0,01  | <   | <     | <     | <     | <     | <     | <     | 0,013 | 0,013 |   | 13  | <   | <   | <     | <      | 0,013  | 0,013 |  |
| 6379   | Tramadol                          | µg/l | 0,01  | 0,02  | <   | 0,01  | 0,011 | 0,024 | 0,017 | 0,021 | 0,029 | 0,045 | 0,056 |   | 13  | <   | <   | 0,022 | 0,0282 | 0,0596 | 0,062 |  |
| <b>Various pharmaceuticals 370</b>             |                                   |      |       |       |     |       |       |       |       |       |       |       |       |   |     |     |     |       |        |        |       |  |
| 1860   | Carbamazepine                     | µg/l | 0,015 | <     | <   | <     | <     | <     | <     | <     | 0,019 | 0,02  | 0,025 |   | 13  | <   | <   | <     | <      | 0,023  | 0,025 |  |
| <b>Endrocrin disrupting compounds (E 400</b>   |                                   |      |       |       |     |       |       |       |       |       |       |       |       |   |     |     |     |       |        |        |       |  |
| 1647   | Bis(2-ethylhexyl)phthalate (DEHP) | µg/l | 0,2   | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |
| <b>Plasticisers 405</b>                        |                                   |      |       |       |     |       |       |       |       |       |       |       |       |   |     |     |     |       |        |        |       |  |
| 1647   | Bis(2-ethylhexyl)phthalate (DEHP) | µg/l | 0,2   | <     | <   | <     | <     | <     | <     | <     | <     | <     | <     |   | 12  | <   | <   | <     | <      | <      | <     |  |

