

ARTICLE

Table S1 A summary of sample type, sampling location, number (N) of sampling points, frequency of sampling, period of sampling, type of treatment and analyses conducted after sampling.

| Sample type | Location | N of sampling points | Frequency | Period | Type of treatment | Analyses |
|------------------|---|----------------------|-----------|----------------------------------|------------------------------|--|
| groundwater | catchment area of the Velika Gorica well field | 10 | monthly | from March 2021 to February 2022 | – | in-situ |
| | | | | | filtering cooling at 4 °C | water chemistry water stable isotopes |
| | | | | | filtering freezing | nitrate stable isotopes |
| surface water | Sava River (western part of the Zagreb aquifer) | 1 | monthly | from March 2021 to February 2022 | – | in-situ |
| | | | | | filtering cooling at 4 °C | water chemistry water stable isotopes |
| | | | | | filtering freezing | nitrate stable isotopes |
| precipitation | within the first sanitary protection zone of the Velika Gorica well field | 1 | monthly | from March 2021 to February 2022 | – | in-situ |
| | | | | | filtering freezing | nitrate stable isotopes |
| soil water | pedological pit | 4 | monthly | from March 2021 to February 2022 | filtering freezing | nitrate stable isotopes |
| nitrogen sources | Central part of the Zagreb aquifer | 6 | once | September 2021 | drying and grinding | isotopic composition of total nitrogen |

Table S2 Descriptive statistics of 17 parameters (pH, EC, DO, T, Cl⁻, NO₃⁻, SO₄²⁻, HCO₃⁻, Na⁺, Mg²⁺, K⁺, Ca²⁺, δ¹⁵N_{NO3}, δ¹⁸O_{NO3}, δ²H_{H2O}, δ¹⁸O_{H2O} and d-excess) measured in groundwater and Sava River.

| | Čp-23 | Lg-1 | Lg-4 | P-3 | P-7 | Vg-1 | Vg-10/2 | Vg-4 | Vg-5/2 | Vg-6 | Sava River |
|---|-------|-------|-------|-------|-------|-------|---------|-------|--------|-------|------------|
| pH | Mean | 7.2 | 7.3 | 7.3 | 7.1 | 7.2 | 7.3 | 7.3 | 7.1 | 7.2 | 8.1 |
| | Min | 7.0 | 7.0 | 7.0 | 6.9 | 7.0 | 7.0 | 7.1 | 6.9 | 7.0 | 7.8 |
| | Max | 7.5 | 7.7 | 7.8 | 7.5 | 7.5 | 7.6 | 7.6 | 7.4 | 7.5 | 8.7 |
| EC (μs cm ⁻¹) | Mean | 782.4 | 696.0 | 793.3 | 787.1 | 777.7 | 781.4 | 688.9 | 905.4 | 851.8 | 808.0 |
| | Min | 748.0 | 677.0 | 751.0 | 757.0 | 749.0 | 765.0 | 675.0 | 873.0 | 838.0 | 775.0 |
| | Max | 804.0 | 713.0 | 823.0 | 799.0 | 796.0 | 801.0 | 706.0 | 938.0 | 881.0 | 862.0 |
| DO (mg O ₂ L ⁻¹) | Mean | 7.1 | 3.4 | 3.6 | 8.3 | 8.1 | 7.0 | 6.5 | 6.7 | 7.4 | 6.2 |
| | Min | 6.6 | 0.6 | 1.2 | 7.6 | 7.3 | 6.2 | 6.0 | 6.1 | 6.4 | 5.6 |
| | Max | 7.8 | 7.3 | 7.0 | 9.0 | 8.7 | 7.8 | 7.0 | 7.6 | 8.0 | 7.3 |
| T (°C) | Mean | 13.2 | 13.0 | 13.0 | 13.0 | 13.2 | 13.3 | 12.6 | 14.1 | 13.5 | 14.1 |
| | Min | 12.8 | 12.6 | 12.7 | 12.5 | 12.6 | 12.8 | 12.4 | 13.7 | 13.3 | 13.8 |
| | Max | 13.8 | 13.9 | 13.3 | 14.7 | 13.7 | 14.1 | 13.0 | 15.0 | 14.2 | 14.8 |
| Cl ⁻ (mg L ⁻¹) | Mean | 26.2 | 11.1 | 28.1 | 23.7 | 23.4 | 27.4 | 10.1 | 55.6 | 26.4 | 37.2 |
| | Min | 13.4 | 7.6 | 22.7 | 19.3 | 11.8 | 21.2 | 8.4 | 43.4 | 20.7 | 22.2 |
| | Max | 32.2 | 14.5 | 33.0 | 31.8 | 35.9 | 32.0 | 13.1 | 71.6 | 31.7 | 63.4 |
| NO ₃ ⁻ (mg L ⁻¹) | Mean | 16.2 | 20.1 | 15.6 | 17.1 | 13.4 | 15.5 | 20.3 | 14.8 | 25.1 | 12.7 |
| | Min | 12.6 | 15.0 | 7.4 | 14.6 | 9.2 | 13.2 | 17.5 | 11.4 | 19.4 | 9.0 |
| | Max | 19.4 | 25.8 | 19.0 | 20.0 | 17.9 | 18.6 | 23.0 | 18.9 | 31.9 | 16.7 |
| SO ₄ ²⁻ (mg L ⁻¹) | Mean | 21.2 | 13.5 | 23.1 | 16.8 | 13.1 | 23.3 | 14.0 | 21.1 | 19.7 | 20.7 |
| | Min | 13.4 | 9.2 | 17.9 | 12.1 | 7.5 | 16.9 | 11.6 | 18.3 | 15.6 | 15.2 |
| | Max | 26.6 | 17.3 | 26.3 | 22.3 | 18.7 | 27.8 | 18.2 | 26.9 | 24.8 | 27.9 |
| HCO ₃ ⁻ (mg L ⁻¹) | Mean | 423.6 | 407.5 | 426.7 | 443.7 | 451.5 | 426.0 | 401.8 | 445.8 | 460.8 | 425.6 |
| | Min | 378.6 | 378.6 | 359.9 | 397.2 | 422.0 | 415.8 | 359.9 | 391.0 | 415.8 | 397.2 |
| | Max | 440.6 | 415.8 | 453.0 | 453.0 | 484.1 | 440.6 | 415.8 | 471.7 | 477.9 | 446.8 |
| Na ⁺ (mg L ⁻¹) | Mean | 12.6 | 6.2 | 11.2 | 10.4 | 10.9 | 11.5 | 5.6 | 29.1 | 13.9 | 22.2 |
| | Min | 11.7 | 5.4 | 7.9 | 8.5 | 6.3 | 9.7 | 4.8 | 22.7 | 12.0 | 19.3 |
| | Max | 14.6 | 7.6 | 15.3 | 14.0 | 17.2 | 15.6 | 7.2 | 37.2 | 17.9 | 27.9 |
| Mg ²⁺ (mg L ⁻¹) | Mean | 24.4 | 24.2 | 26.1 | 26.9 | 27.3 | 24.6 | 25.1 | 26.2 | 25.9 | 23.4 |
| | Min | 22.9 | 21.7 | 22.6 | 23.6 | 23.9 | 23.5 | 23.4 | 23.6 | 23.4 | 19.9 |
| | Max | 26.7 | 25.8 | 33.8 | 35.1 | 31.2 | 26.1 | 32.2 | 33.1 | 28.3 | 29.5 |
| K ⁺ (mg L ⁻¹) | Mean | 1.8 | 1.9 | 1.7 | 1.5 | 1.3 | 1.6 | 1.7 | 2.1 | 4.8 | 3.7 |
| | Min | 1.6 | 1.6 | 1.3 | 1.2 | 0.9 | 1.3 | 1.5 | 1.6 | 4.4 | 3.0 |
| | Max | 2.3 | 2.2 | 2.5 | 2.3 | 1.8 | 2.1 | 2.2 | 2.8 | 5.6 | 6.0 |
| Ca ²⁺ (mg L ⁻¹) | Mean | 109.0 | 98.5 | 109.4 | 109.3 | 108.4 | 111.8 | 101.4 | 117.7 | 116.7 | 107.2 |
| | Min | 105.1 | 77.6 | 84.3 | 100.6 | 97.5 | 106.8 | 95.3 | 90.5 | 97.4 | 97.3 |
| | Max | 118.4 | 106.8 | 122.2 | 119.3 | 114.7 | 127.4 | 128.4 | 136.4 | 124.8 | 115.3 |
| δ ¹⁵ N _{NO3} (‰) | Mean | 10.4 | 10.9 | 15.9 | 8.5 | 8.6 | 10.5 | 9.2 | 11.2 | 9.6 | 12.1 |
| | Min | 3.8 | 3.8 | 9.5 | 3.9 | 2.6 | 7.2 | 5.9 | 6.6 | 4.0 | 7.6 |
| | Max | 17.6 | 15.6 | 38.9 | 14.1 | 14.5 | 13.3 | 13.4 | 18.3 | 14.8 | 16.7 |
| δ ¹⁸ O _{NO3} (‰) | Mean | 0.7 | 2.7 | 5.5 | 0.7 | 0.7 | 0.8 | 0.9 | 1.9 | 1.2 | 1.9 |
| | Min | -4.0 | -3.2 | -1.3 | -3.5 | -6.7 | -1.8 | -5.1 | -3.4 | -2.1 | -1.8 |
| | | | | | | | | | | | -0.8 |

| | <i>Max</i> | 4.0 | 8.0 | 17.6 | 3.7 | 4.7 | 4.6 | 4.5 | 5.0 | 4.3 | 4.7 | 3.9 |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| $\delta^{2\text{H}_{\text{H}_2\text{O}}}$ (‰) | <i>Mean</i> | -60.0 | -63.5 | -61.0 | -59.7 | -60.5 | -60.7 | -64.5 | -59.4 | -59.7 | -58.0 | -60.2 |
| | <i>Min</i> | -60.5 | -64.1 | -61.9 | -60.3 | -61.5 | -61.2 | -65.0 | -59.7 | -60.3 | -58.7 | -61.8 |
| | <i>Max</i> | -59.7 | -62.8 | -60.1 | -59.0 | -59.7 | -59.8 | -64.1 | -59.2 | -58.4 | -57.5 | -59.2 |
| $\delta^{18\text{O}_{\text{H}_2\text{O}}}$ (‰) | <i>Mean</i> | -8.8 | -9.3 | -9.0 | -8.9 | -8.9 | -9.0 | -9.5 | -8.8 | -8.8 | -8.7 | -9.1 |
| | <i>Min</i> | -9.0 | -9.5 | -9.2 | -9.0 | -9.1 | -9.2 | -9.6 | -8.9 | -8.9 | -8.7 | -9.4 |
| | <i>Max</i> | -8.7 | -9.3 | -8.9 | -8.8 | -8.8 | -8.8 | -9.4 | -8.7 | -8.6 | -8.6 | -8.9 |
| d-excess | <i>Mean</i> | 10.7 | 11.2 | 11.1 | 11.1 | 10.9 | 11.1 | 11.3 | 11.1 | 10.9 | 11.2 | 12.7 |
| | <i>Min</i> | 10.2 | 10.4 | 10.3 | 10.0 | 10.1 | 10.4 | 10.5 | 10.3 | 10.4 | 10.8 | 11.7 |
| | <i>Max</i> | 11.2 | 12.2 | 11.7 | 11.8 | 11.7 | 12.2 | 11.9 | 11.7 | 11.3 | 11.8 | 13.6 |

Table S3 Correlation matrix of the major anions and cations for sampling site Vg-6 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.80 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.53 | 0.44 | 1.00 | | | | | |
| HCO ₃ ⁻ | -0.31 | -0.15 | -0.49 | 1.00 | | | | |
| Na ⁺ | -0.22 | -0.39 | -0.40 | -0.08 | 1.00 | | | |
| Mg ²⁺ | 0.10 | 0.24 | 0.00 | -0.01 | 0.63 | 1.00 | | |
| K ⁺ | -0.35 | -0.30 | -0.25 | -0.20 | 0.84 | 0.75 | 1.00 | |
| Ca ²⁺ | 0.05 | -0.25 | -0.32 | 0.09 | -0.14 | -0.60 | -0.49 | 1.00 |

Significance at p < 0.05

Table S4 Correlation matrix of the major anions and cations for sampling site Vg-5/2 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.69 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.93 | 0.51 | 1.00 | | | | | |
| HCO ₃ ⁻ | 0.02 | -0.03 | -0.01 | 1.00 | | | | |
| Na ⁺ | -0.43 | -0.53 | -0.17 | 0.41 | 1.00 | | | |
| Mg ²⁺ | 0.49 | 0.36 | 0.59 | -0.09 | -0.04 | 1.00 | | |
| K ⁺ | 0.15 | -0.01 | 0.39 | 0.24 | 0.59 | 0.77 | 1.00 | |
| Ca ²⁺ | 0.61 | 0.35 | 0.63 | -0.15 | -0.21 | 0.69 | 0.34 | 1.00 |

Significance at p < 0.05

Table S5 Correlation matrix of the major anions and cations for sampling site Čp-23 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.28 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.97 | 0.26 | 1.00 | | | | | |
| HCO ₃ ⁻ | 0.68 | 0.03 | 0.53 | 1.00 | | | | |
| Na ⁺ | 0.12 | 0.02 | -0.07 | 0.57 | 1.00 | | | |
| Mg ²⁺ | 0.49 | 0.45 | 0.43 | 0.36 | 0.37 | 1.00 | | |
| K ⁺ | -0.24 | 0.39 | -0.31 | -0.32 | 0.21 | 0.47 | 1.00 | |
| Ca ²⁺ | 0.38 | 0.19 | 0.29 | 0.36 | 0.29 | 0.84 | 0.43 | 1.00 |

Significance at p < 0.05

Table S6 Correlation matrix of the major anions and cations for sampling site Lg-1 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.36 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.91 | 0.28 | 1.00 | | | | | |
| HCO ₃ ⁻ | 0.38 | -0.20 | 0.55 | 1.00 | | | | |
| Na ⁺ | -0.34 | -0.26 | -0.24 | 0.37 | 1.00 | | | |
| Mg ²⁺ | 0.01 | 0.37 | 0.07 | -0.10 | 0.38 | 1.00 | | |
| K ⁺ | -0.04 | -0.19 | -0.03 | 0.48 | 0.86 | 0.49 | 1.00 | |
| Ca ²⁺ | 0.29 | 0.55 | 0.27 | -0.07 | -0.37 | -0.03 | -0.31 | 1.00 |

Significance at p < 0.05

Table S7 Correlation matrix of the major anions and cations for sampling site Lg-4 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.07 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.88 | -0.18 | 1.00 | | | | | |
| HCO ₃ ⁻ | 0.16 | 0.57 | -0.14 | 1.00 | | | | |
| Na ⁺ | 0.02 | 0.44 | -0.44 | 0.60 | 1.00 | | | |
| Mg ²⁺ | 0.07 | 0.13 | -0.15 | 0.26 | 0.51 | 1.00 | | |
| K ⁺ | 0.14 | 0.45 | -0.29 | 0.60 | 0.87 | 0.81 | 1.00 | |
| Ca ²⁺ | 0.35 | 0.35 | 0.31 | 0.06 | -0.12 | -0.51 | -0.22 | 1.00 |

Significance at p < 0.05

Table S8 Correlation matrix of the major anions and cations for sampling site P-3 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.21 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.94 | 0.01 | 1.00 | | | | | |
| HCO ₃ ⁻ | 0.09 | -0.21 | 0.32 | 1.00 | | | | |
| Na ⁺ | 0.10 | -0.59 | 0.36 | 0.32 | 1.00 | | | |
| Mg ²⁺ | -0.08 | -0.21 | 0.06 | 0.00 | 0.62 | 1.00 | | |
| K ⁺ | 0.40 | -0.24 | 0.48 | -0.02 | 0.69 | 0.81 | 1.00 | |
| Ca ²⁺ | 0.46 | 0.05 | 0.49 | 0.07 | -0.03 | -0.12 | 0.01 | 1.00 |

Table S9 Correlation matrix of the major anions and cations for sampling site Vg-1 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | -0.14 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.99 | -0.16 | 1.00 | | | | | |
| HCO ₃ ⁻ | -0.35 | 0.13 | -0.37 | 1.00 | | | | |
| Na ⁺ | -0.56 | -0.15 | -0.56 | 0.58 | 1.00 | | | |
| Mg ²⁺ | -0.04 | -0.08 | 0.07 | 0.04 | 0.39 | 1.00 | | |
| K ⁺ | -0.01 | 0.25 | -0.07 | 0.15 | 0.44 | 0.35 | 1.00 | |
| Ca ²⁺ | -0.63 | -0.15 | -0.61 | 0.35 | 0.94 | 0.49 | 0.49 | 1.00 |

Significance at p < 0.05

Table S10 Correlation matrix of the major anions and cations for sampling site P-7 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.89 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.99 | 0.91 | 1.00 | | | | | |
| HCO ₃ ⁻ | -0.52 | -0.49 | -0.52 | 1.00 | | | | |
| Na ⁺ | 0.85 | 0.89 | 0.87 | -0.45 | 1.00 | | | |
| Mg ²⁺ | 0.10 | 0.25 | 0.23 | 0.07 | 0.15 | 1.00 | | |
| K ⁺ | 0.89 | 0.89 | 0.90 | -0.50 | 0.92 | 0.26 | 1.00 | |
| Ca ²⁺ | 0.44 | 0.49 | 0.47 | -0.10 | 0.28 | 0.69 | 0.58 | 1.00 |

Significance at p < 0.05

Table S11 Correlation matrix of the major anions and cations for sampling site Vg-10/2 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | 0.79 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.96 | 0.87 | 1.00 | | | | | |
| HCO ₃ ⁻ | 0.29 | 0.35 | 0.22 | 1.00 | | | | |
| Na ⁺ | -0.26 | -0.45 | -0.30 | 0.26 | 1.00 | | | |
| Mg ²⁺ | -0.09 | -0.05 | -0.03 | 0.16 | 0.74 | 1.00 | | |
| K ⁺ | -0.20 | -0.15 | -0.16 | 0.27 | 0.84 | 0.84 | 1.00 | |
| Ca ²⁺ | -0.25 | -0.48 | -0.35 | 0.17 | 0.55 | -0.13 | 0.26 | 1.00 |

Significance at p < 0.05

Table S12 Correlation matrix of the major anions and cations for sampling site Vg-4 using the Pearson coefficient. All variables are in mg L⁻¹.

| | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ | HCO ₃ ⁻ | Na ⁺ | Mg ²⁺ | K ⁺ | Ca ²⁺ |
|-------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|-----------------|------------------|----------------|------------------|
| Cl ⁻ | 1.00 | | | | | | | |
| NO ₃ ⁻ | -0.19 | 1.00 | | | | | | |
| SO ₄ ²⁻ | 0.81 | -0.35 | 1.00 | | | | | |
| HCO ₃ ⁻ | 0.39 | 0.12 | 0.05 | 1.00 | | | | |
| Na ⁺ | 0.44 | -0.28 | 0.19 | 0.20 | 1.00 | | | |
| Mg ²⁺ | -0.23 | -0.24 | -0.16 | 0.09 | 0.56 | 1.00 | | |
| K ⁺ | 0.24 | -0.17 | 0.24 | 0.18 | 0.62 | 0.77 | 1.00 | |
| Ca ²⁺ | 0.55 | -0.13 | 0.28 | -0.04 | 0.24 | -0.48 | -0.21 | 1.00 |

Significance at p < 0.05

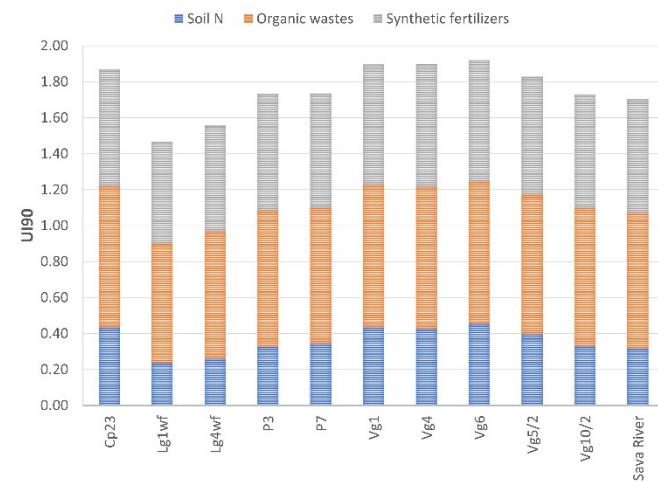


Fig. S1 Stacked column chart of the uncertainty analysis per sampling site.

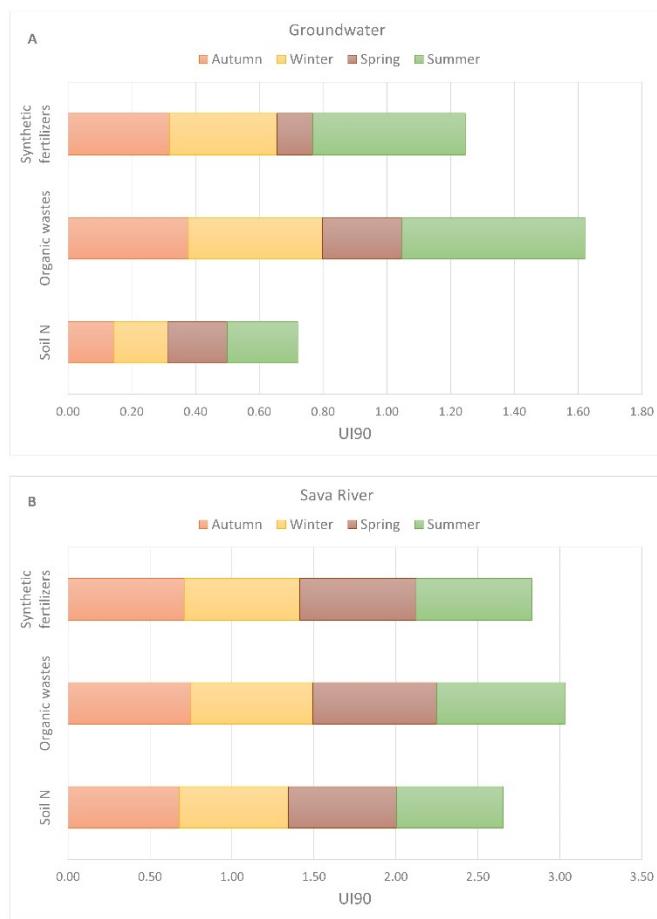


Figure S2 Stacked bar chart of the uncertainty analysis per season for groundwater (A) and Sava River (B).