



Attachment no. 1 to the Certificate of Analysis for work order PR2056641

Sample:

ALS SAMPLE ID: PR2056641/ 001

Measurement results PCBs:

| Sample: | | studňa Nižný Hrušov | | | |
|---------------------------|------------------|---------------------------------|--------------------------------------|--------------------|------------------------------|
| | | Final extract [μl]: | 250 | | |
| | | Injection volume [μl]: | 4 | | |
| Sample volume [l]: | 0.91 | Acquisition date [d.m.y h:m]: | 19.06.2020 | | |
| PCB groups | Result [ng/l] | Limit of Detection [ng/l] | Limit of Quantification [ng/l] | ΣPCB Lowerbound | ΣPCB Upperbound [ng/l] |
| mono-PCBs | < 0.18 | 0.018 | 0.18 | 0 | 0.18 |
| di-PCBs | < 0.29 | 0.0073 | 0.29 | 0 | 0.29 |
| tri-PCBs | < 9.6 | 0.012 | 9.6 | 0 | 9.6 |
| tetra-PCBs | < 7.5 | 0.012 | 7.5 | 0 | 7.5 |
| penta-PCBs | < 11 | 0.0057 | 11 | 0 | 11 |
| hexa-PCBs | < 14 | 0.01 | 14 | 0 | 14 |
| hepta-PCBs | < 4.9 | 0.016 | 4.9 | 0 | 4.9 |
| okta-PCBs | < 0.84 | 0.021 | 0.84 | 0 | 0.84 |
| nona-PCBs | < 0.21 | 0.021 | 0.21 | 0 | 0.21 |
| deca-PCBs | < 0.017 | 0.017 | 0.055 | 0 | 0.017 |
| Σ PCB -,Lowerbound | | | | 0 | |
| Σ PCB -,Upperbound | | | | | 48 |

Limits of quantification are defined on the base of blank level.

The limit of detection is defined as the amount of analyte producing a signal with $S/N \geq 3$.

The value of the detection limit is mentioned as the actual value at the acquisition date.

Measurement uncertainty is expressed as a double ($k=2$) relative standard deviation (RSD%), and corresponds to 95% confidence interval.

Estimation of uncertainty of each PCB congener is 30%, total TEQ and PCB6/PCB7 is 20%.

These values were ensured by analyses of certified reference material under conditions of internal reproducibility.

Results marked "<" are lower than the limit of detection or quantification.

"Lowerbound" and "Upperbound" are levels defined in Regulation 2017/644 and EN 1948-4.

"Mediumbound" is level defined in Regulation 2017/644.