

Table of assigned values Polycyclic Aromatic Hydrocarbons P22

1st Edition, 02.06.2021

Table of assigned values

| Parameter | Sample | Unit | Assigned value ± | U (k=2) | Criterion | Criterion [%] |
|------------------------|--------|------|------------------|---------|-----------|---------------|
| Acenaphthene | P22 A | ng/l | 13.8 ± | 2.04 | 2.63 | 19 |
| | P22 B | ng/l | 107 ± | 17.8 | 20.3 | 19 |
| Acenaphthylene | P22 A | ng/l | 15.4 ± | 2.97 | 4.92 | 32 |
| | P22 B | ng/l | 138 ± | 22.8 | 42.7 | 31 |
| Anthracene | P22 A | ng/l | 11.1 ± | 1.11 | 2.1 | 19 |
| | P22 B | ng/l | 135 ± | 11.2 | 22.9 | 17 |
| Benzo[a]anthracene | P22 A | ng/l | 13.8 ± | 1.23 | 2.91 | 21 |
| | P22 B | ng/l | 123 ± | 9.48 | 25.9 | 21 |
| Benzo[a]pyrene | P22 A | ng/l | 11.5 ± | 1.41 | 2.75 | 24 |
| | P22 B | ng/l | 83 ± | 7.73 | 19.9 | 24 |
| Benzo[b]fluoranthene | P22 A | ng/l | 15.8 ± | 1.3 | 2.69 | 17 |
| | P22 B | ng/l | 107 ± | 7.93 | 18.2 | 17 |
| Benzo[g,h,i]perylene | P22 A | ng/l | 11.8 ± | 1.02 | 3.78 | 32 |
| | P22 B | ng/l | 97.2 ± | 8.89 | 31.1 | 32 |
| Benzo[k]fluoranthene | P22 A | ng/l | 17.1 ± | 1.7 | 4.45 | 26 |
| | P22 B | ng/l | 74 ± | 5.26 | 19.2 | 26 |
| Chrysene | P22 A | ng/l | 19 ± | 0.871 | 1.63 | 8.6 |
| | P22 B | ng/l | 94.9 ± | 9.16 | 18 | 19 |
| Dibenzo[a,h]anthracene | P22 A | ng/l | 15.4 ± | 2.51 | 4.63 | 30 |
| | P22 B | ng/l | 120 ± | 21.6 | 36.1 | 30 |
| Fluoranthene | P22 A | ng/l | 18.9 ± | 2.7 | 3.4 | 18 |
| | P22 B | ng/l | 174 ± | 16.6 | 31.3 | 18 |
| Fluorene | P22 A | ng/l | 22.4 ± | 2.02 | 3.14 | 14 |
| | P22 B | ng/l | 104 ± | 9.65 | 14.5 | 14 |
| Indeno[1,2,3-cd]pyrene | P22 A | ng/l | 14.9 ± | 1.37 | 2.54 | 17 |
| | P22 B | ng/l | 77.2 ± | 10.5 | 20.1 | 26 |
| Naphthalene | P22 A | ng/l | 31.2 ± | 3.8 | 6.54 | 21 |
| | P22 B | ng/l | 159 ± | 24.7 | 33.3 | 21 |
| Phenanthrene | P22 A | ng/l | 18.3 ± | 2.63 | 2.75 | 15 |
| | P22 B | ng/l | 186 ± | 11.7 | 27.9 | 15 |
| Pyrene | P22 A | ng/l | 16.9 ± | 1.82 | 2.7 | 16 |
| | P22 B | ng/l | 114 ± | 8.23 | 18.2 | 16 |

Legend:

| | |
|----------------|--|
| Assigned value | Target value for proficiency assessment of the participants (3 significant digits) |
| U (k=2) | Expanded uncertainty (k=2) of the assigned value (3 significant digits) |
| Criterion | Specified value for the determination of the z-score in the given unit (3 significant digits) |
| Criterion [%] | Specified value for the determination of the z-score in % of the assigned value (2 significant digits) |