ENVIRONMENT
AGENCY AUSTRIA **umwelt**bundesamt

# Summary of results, after removal of outliers

| Parameter | Sample | Unit | Number of results for calculation | Number of outliers | Mean | ± CI (99%) | Minimum | Maximum | SD | RSD % |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | P19 A | ng/l | 21 | 1 | 55.9 | ± 8.55 | 37 | 85.7 | 13.1 | 23 |
|  | P19 B | ng/l | 20 | 2 | 30.2 | ± 3.93 | 20 | 42.4 | 5.86 | 19 |
| Acenaphthylene | P19 A | ng/l | 20 | 1 | 104 | ± 10.5 | 81.1 | 144 | 15.7 | 15 |
|  | P19 B | ng/l | 12 | 1 | 7.67 | ± 1.58 | 5.92 | 10.5 | 1.83 | 24 |
| Anthracene | P19 A | ng/l | 24 | 0 | 80.2 | ± 11.8 | 32.1 | 111 | 19.3 | 24 |
|  | P19 B | ng/l | 14 | 3 | 10.2 | ± 1.48 | 7.7 | 13.9 | 1.85 | 18 |
| Benzo[a]anthracene | P19 A | ng/l | 25 | 0 | 121 | ± 12.8 | 65.2 | 156 | 21.4 | 18 |
|  | P19 B | ng/l | 18 | 1 | 6.73 | ± 1.44 | 3.4 | 11 | 2.04 | 30 |
| Benzo[a]pyrene | P19 A | ng/l | 28 | 0 | 117 | ± 15.1 | 65 | 173 | 26.6 | 23 |
|  | P19 B | ng/l | 16 | 5 | 6.7 | ± 0.834 | 3.86 | 8.6 | 1.11 | 17 |
| Benzo[b]fluoranthene | P19 A | ng/l | 28 | 0 | 262 | ± 27.7 | 180 | 380 | 48.9 | 19 |
|  | P19 B | ng/l | 26 | 2 | 30.3 | ± 2.56 | 22 | 39 | 4.35 | 14 |
| Benzo[g,h,i]perylene | P19 A | ng/l | 27 | 1 | 89.3 | ± 11.9 | 55.9 | 142 | 20.6 | 23 |
|  | P19 B | ng/l | 25 | 3 | 36.9 | ± 4.34 | 24.1 | 57.6 | 7.23 | 20 |
| Benzo[k]fluoranthene | P19 A | ng/l | 28 | 0 | 60.5 | ± 11.9 | 14.5 | 100 | 21 | 35 |
|  | P19 B | ng/l | 13 | 5 | 4.96 | ± 0.746 | 2.86 | 6.5 | 0.897 | 18 |
| Chrysene | P19 A | ng/l | 25 | 0 | 68.5 | ± 8.88 | 35.9 | 99 | 14.8 | 22 |
|  | P19 B | ng/l | 16 | 4 | 9.93 | ± 1.21 | 6.2 | 13 | 1.61 | 16 |
| Dibenzo[a,h]anthracene | P19 A | ng/l | 25 | 0 | 183 | ± 30.3 | 68.6 | 267 | 50.4 | 28 |
|  | P19 B | ng/l | 19 | 1 | 12.1 | ± 2.84 | 6.96 | 22.3 | 4.13 | 34 |
| Fluoranthene | P19 A | ng/l | 24 | 1 | 50.3 | ± 4.84 | 30.4 | 66.2 | 7.9 | 16 |
|  | P19 B | ng/l | 23 | 2 | 43.4 | ± 3.1 | 37 | 56.5 | 4.96 | 11 |
| Fluorene | P19 A | ng/l | 20 | 2 | 174 | ± 16.5 | 136 | 243 | 24.5 | 14 |
|  | P19 B | ng/l | 18 | 4 | 50.9 | ± 4.08 | 39 | 65 | 5.77 | 11 |
| Indeno[1,2,3-cd]pyrene | P19 A | ng/l | 7 | 2 | 26.6 | ± 13 | 15.8 | 44.4 | 11.5 | 43 |
|  | P19 B | ng/l | 4 | 1 | - | ± - | 2.71 | 5.88 | - | - |
| Naphthalene | P19 A | ng/l | 20 | 1 | 226 | ± 27.1 | 143 | 301 | 40.4 | 18 |

Summary of results, after removal of outliers: Polycyclic Aromatic Hydrocarbons P19

| Parameter | Sample | Unit | Number of results for calculation | Number of outliers | Mean | ± CI (99%) | | Minimum | Maximum | SD | RSD % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Naphthalene | P19 B | ng/l | 15 | 2 | 19 | ± | 4.12 | 4.02 | 25.1 | 5.32 | 28 |
| Phenanthrene | P19 A | ng/l | 21 | 2 | 76.9 | ± | 6.9 | 59.4 | 97 | 10.5 | 14 |
| | P19 B | ng/l | 20 | 2 | 28.2 | ± | 2.84 | 22 | 36 | 4.23 | 15 |
| Pyrene | P19 A | ng/l | 24 | 0 | 262 | ± | 19.3 | 198 | 318 | 31.5 | 12 |
| | P19 B | ng/l | 22 | 1 | 38.5 | ± | 3.47 | 24.8 | 50.9 | 5.43 | 14 |

**Legend:**

| | |
|---|---|
| Mean | Mean of the participants results, without outliers (3 significant digits) |
| CI (99%) | 99% confidence interval (3 significant digits) |
| Minimum | Minimum of all submitted results, after removal of outliers (3 significant digits) |
| Maximum | Maximum of all submitted results, after removal of outliers (3 significant digits) |
| SD | Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits) |
| RSD % | Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits) |