

**Jahreskenngrößen der
Luftqualität in Nordrhein-Westfalen
PM10 und Inhaltsstoffe / PM2,5
Jahresmittelwerte und Überschreitungshäufigkeiten 01.01.2012 bis 31.12.2012**

(T=B) Das Volumen bezieht sich auf Betriebs-/Umgebungsbedingungen

| Stationen | Kürzel | PM10 | | Arsen ng/m³ (T=B) | Blei µg/m³ (T=B) | Cadmium ng/m³ (T=B) | Chrom ng/m³ (T=B) | Eisen µg/m³ (T=B) | Nickel ng/m³ (T=B) | Zink µg/m³ (T=B) | Benzo(a)- pyren ng/m³ (T=B) | PM 2,5 µg/m³ (T=B) |
|---------------------------------------|--------|-------------------------|---------------|----------------------|---------------------|------------------------|----------------------|----------------------|-----------------------|---------------------|-----------------------------------|-----------------------|
| | | Mittelw. µg/m³ (T=B) | n TW>50 *) | | | | | | | | | |
| Aachen Wilhelmstraße | VACW | 27 | 32 | 0,7 | 0,01 | 0,3 | --- | --- | 2,6 | --- | 0,17 | --- |
| Aachen-Burtscheid | AABU | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13 |
| Bielefeld-Ost | BIEL | 20 | 10 | 0,5 | 0,01 | 0,1 | --- | --- | 1,8 | --- | 0,21 | 16 |
| Bochum-Stahlhausen | BOST | 24 | 15 | 1,0 | 0,02 | 0,7 | 84,6 | 0,82 | 18,6 | --- | --- | --- |
| Borken-Gemen | BORG | 21 | 8 | 0,6 | 0,01 | 0,2 | --- | --- | 2,5 | --- | 0,18 | --- |
| Bottrop-Welheim | BOTT | 25 | 26 | 1,2 | 0,02 | 0,3 | --- | --- | 3,2 | --- | 1,20 | --- |
| Dortmund B1 Rheinlanddamm **) | DOB12 | 20 | 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dortmund Steinstraße | VDOR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17 |
| Dortmund-Eving | DMD2 | 21 | 8 | 0,7 | 0,01 | 0,2 | --- | --- | 4,0 | --- | 0,19 | 16 |
| Duisburg Bergstraße 48 | DUUM | 25 | 20 | 1,2 | 0,13 | 0,5 | --- | 1,40 | 13,7 | --- | --- | --- |
| Duisburg Kardinal-Galen-Straße | VDUI | 24 | 25 | 0,9 | 0,02 | 0,3 | --- | --- | 4,2 | --- | 0,21 | --- |
| Duisburg Kiebitzmühlenstraße | DUM2 | 30 | 38 | 1,3 | 0,02 | 0,4 | --- | 2,39 | 4,5 | 0,14 | 0,26 | --- |
| Duisburg-Bruckhausen | DUBR | 30 | 41 | 1,4 | 0,04 | 0,5 | --- | 2,25 | 8,1 | 0,18 | 0,21 | --- |
| Duisburg-Buchholz | BUCH | 20 | 10 | 0,7 | 0,01 | 0,2 | --- | --- | 2,5 | --- | 0,16 | --- |
| Duisburg-Walsum | WALS | 23 | 16 | 0,9 | 0,02 | 0,3 | --- | --- | 3,1 | --- | 0,23 | --- |
| Düsseldorf Corneliussstraße | DDCS | 28 | 26 | 0,7 | 0,01 | 0,2 | --- | --- | 3,5 | --- | 0,19 | 21 |
| Düsseldorf-Lörick | LOER | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15 |
| Essen-Ost Steeler Straße | VESN | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17 |
| Essen-Schuir (LANUV) | ELAN | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 14 |
| Essen-Vogelheim | EVOG | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17 |
| Gelsenkirchen-Bismarck | GELS | 23 | 24 | 0,9 | 0,01 | 0,3 | --- | --- | 3,1 | --- | 0,21 | --- |
| Grevenbroich Josef-Lützkirchen-Straße | GBFD | 22 | 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grevenbroich-Gustorf | GRGG | 25 | 26 | 0,6 | 0,01 | 0,2 | --- | --- | 1,9 | --- | 0,18 | --- |
| Kamp-Lintfort Eyller-Berg-Straße | KLEB | 20 | 14 | 0,7 | 0,01 | 0,3 | --- | --- | 2,0 | --- | 0,15 | --- |
| Köln Turiner Straße | VKTU | 24 | 18 | 0,7 | 0,01 | 0,4 | --- | --- | 2,8 | --- | 0,19 | --- |
| Köln-Chorweiler | CHOR | 20 | 16 | 0,6 | 0,01 | 0,2 | --- | --- | 2,1 | --- | 0,17 | 16 |
| Krefeld (Hafen) | KRHA | 32 | 38 | 0,8 | 0,01 | 0,2 | --- | --- | 3,2 | --- | 0,15 | --- |
| Krefeld-Stahldorf | KRES | 24 | 18 | 1,1 | 0,02 | 0,6 | 70,7 | 0,67 | 32,7 | --- | --- | --- |
| Lünen Mühlenweg | LUMW | 28 | 34 | 1,7 | 0,03 | 0,5 | 17,1 | 1,05 | 13,9 | --- | --- | --- |
| Lünen Viktoriastraße | LUEV | 23 | 11 | 2,4 | 0,04 | 0,5 | --- | --- | 3,8 | --- | --- | --- |
| Mönchengladbach Düsseldorfer Straße | VMGR | 20 | 18 | 0,6 | 0,01 | 0,2 | --- | --- | 3,3 | --- | 0,49 | --- |
| Mülheim Hofackerstraße 46-48 | MHHS | 23 | 28 | 1,0 | 0,02 | 0,4 | 17,0 | 0,94 | 11,4 | 0,08 | --- | --- |
| Mülheim-Styrum | STYR | 22 | 16 | 0,9 | 0,01 | 0,3 | --- | --- | 4,0 | --- | 0,18 | 16 |
| Münster-Geist | MSGE | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 16 |
| Niederzier | NIZI | 23 | 35 | 0,6 | 0,01 | 0,2 | --- | --- | 2,2 | --- | 0,18 | --- |
| Simmerath (Eifel) | EIFE | 11 | 2 | 0,3 | 0,00 | 0,1 | --- | --- | 1,3 | --- | 0,06 | 10 |
| Stolberg Heinrich-Böll-Platz | STOH | 19 | 10 | 3,5 | 0,11 | 2,6 | --- | --- | 2,0 | --- | 0,17 | --- |
| Warstein | WAST | 22 | 14 | 0,4 | 0,01 | 0,1 | --- | --- | 1,6 | --- | --- | --- |
| Wuppertal Gathe | VWEL | 25 | 13 | 0,6 | 0,01 | 0,2 | --- | --- | 2,9 | --- | 0,21 | --- |
| Wuppertal-Langerfeld | WULA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13 |

*) Anzahl der Tagesmittelwerte > 50 µg/m³ hochgerechnet auf das Kalenderjahr

**) kein vollständiges Messjahr

| Stationen | Kürzel | Benz(a)- anthracen ng/m³ (T=B) | Benzo(j)- fluoranthren ng/m³ (T=B) | Benzo(b)- fluoranthren ng/m³ (T=B) | Benzo(k)- fluoranthren ng/m³ (T=B) | Benzo(a)- pyren ng/m³ (T=B) | Dibenz(ah)- anthracen ng/m³ (T=B) | Indeno- pyren ng/m³ (T=B) |
|-----------------|--------|--------------------------------------|--|--|--|-----------------------------------|---|---------------------------------|
| Bottrop-Welheim | BOTT | 0,91 | 0,79 | 2,32 | 0,91 | 1,20 | 0,22 | 1,71 |
| Mülheim-Styrum | STYR | 0,14 | 0,12 | 0,36 | 0,15 | 0,18 | 0,03 | 0,29 |

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**Jahreskenngrößen der
Luftqualität in Nordrhein-Westfalen
PM10 und Inhaltsstoffe / PM2,5
Anzahl Messungen 01.01.2012 bis 31.12.2012**

| Stationen | Kürzel | Messzeitraum | | PM10 n | Arsen n | Blei n | Cadmium n | Chrom n | Eisen n | Nickel n | Zink n | Benzo(a)- pyren ng/m ³ (T=B) n | PM 2,5 n |
|-----------------------------------|--------|--------------|------------|-----------|------------|-----------|--------------|------------|------------|-------------|-----------|--|-------------|
| | | Beginn | Ende | | | | | | | | | | |
| Aachen Wilhelmstraße | VACW | 01.01.2012 | 30.12.2012 | 183 | 183 | 183 | 183 | 0 | 0 | 183 | 0 | 12 | 0 |
| Aachen-Burtscheid | AABU | 01.01.2012 | 30.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 183 |
| Bielefeld-Ost | BIEL | 01.01.2012 | 30.12.2012 | 183 | 183 | 183 | 177 | 0 | 0 | 183 | 0 | 12 | 183 |
| Bochum-Stahlhausen | BOST | 02.01.2012 | 30.12.2012 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 0 |
| Borken-Gemen | BORG | 01.01.2012 | 31.12.2012 | 177 | 177 | 177 | 177 | 0 | 0 | 177 | 0 | 12 | 0 |
| Bottrop-Welheim | BOTT | 01.01.2012 | 30.12.2012 | 183 | 183 | 183 | 182 | 0 | 0 | 183 | 0 | 183 | 0 |
| Dortmund B1 Rheinlanddamm **) | DOB12 | 23.06.2012 | 31.12.2012 | 185 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dortmund Steinstraße | VDOR | 01.01.2012 | 30.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 171 |
| Dortmund-Eving | DMD2 | 01.01.2012 | 31.12.2012 | 178 | 178 | 178 | 178 | 0 | 0 | 178 | 0 | 12 | 363 |
| Duisburg Bergstraße 48 | DUUM | 01.01.2012 | 30.12.2012 | 180 | 180 | 180 | 180 | 0 | 180 | 180 | 0 | 0 | 0 |
| Duisburg Kardinal-Galen-Straße | VDUI | 01.01.2012 | 31.12.2012 | 363 | 363 | 363 | 363 | 0 | 0 | 363 | 0 | 12 | 0 |
| Duisburg Kiebitzmühlenstraße | DUM2 | 01.01.2012 | 31.12.2012 | 363 | 363 | 363 | 363 | 0 | 363 | 363 | 363 | 363 | 0 |
| Duisburg-Bruckhausen | DUBR | 01.01.2012 | 31.12.2012 | 354 | 354 | 354 | 354 | 0 | 354 | 354 | 354 | 354 | 0 |
| Duisburg-Buchholz | BUCH | 01.01.2012 | 31.12.2012 | 181 | 181 | 181 | 181 | 0 | 0 | 181 | 0 | 12 | 0 |
| Duisburg-Walsum | WALS | 01.01.2012 | 31.12.2012 | 183 | 183 | 183 | 183 | 0 | 0 | 183 | 0 | 12 | 0 |
| Düsseldorf Corneliusstraße | DDCS | 01.01.2012 | 31.12.2012 | 354 | 354 | 354 | 354 | 0 | 0 | 354 | 0 | 354 | 145 |
| Düsseldorf-Lörick | LOER | 01.01.2012 | 31.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 359 |
| Essen-Ost Steeler Straße | VESN | 01.01.2012 | 31.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 182 |
| Essen-Schuir (LANUV) | ELAN | 01.01.2012 | 31.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 362 |
| Essen-Vogelheim | EVOG | 01.01.2012 | 31.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 357 |
| Gelsenkirchen-Bismarck | GELS | 01.01.2012 | 31.12.2012 | 182 | 182 | 182 | 182 | 0 | 0 | 182 | 0 | 12 | 0 |
| Grevenbroich Josef-Lützkirchen-St | GBFD | 01.01.2012 | 31.12.2012 | 183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grevenbroich-Gustorf | GRGG | 01.01.2012 | 30.12.2012 | 182 | 182 | 182 | 182 | 0 | 0 | 182 | 0 | 12 | 0 |
| Kamp-Lintfort Eyller-Berg-Straße | KLEB | 01.01.2012 | 31.12.2012 | 352 | 352 | 352 | 346 | 0 | 0 | 352 | 0 | 352 | 0 |
| Köln Turiner Straße | VKTU | 01.01.2012 | 30.12.2012 | 182 | 182 | 182 | 182 | 0 | 0 | 182 | 0 | 12 | 0 |
| Köln-Chorweiler | CHOR | 01.01.2012 | 30.12.2012 | 182 | 182 | 182 | 182 | 0 | 0 | 182 | 0 | 12 | 182 |
| Krefeld (Hafen) | KRHA | 01.01.2012 | 31.12.2012 | 334 | 334 | 334 | 334 | 0 | 0 | 334 | 0 | 12 | 0 |
| Krefeld-Stahldorf | KRES | 01.01.2012 | 31.12.2012 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 0 | 0 | 0 |
| Lünen Mühlenweg | LUMW | 18.01.2012 | 31.12.2012 | 171 | 171 | 171 | 171 | 170 | 171 | 171 | 0 | 0 | 0 |
| Lünen Viktoriastraße | LUEV | 02.01.2012 | 30.12.2012 | 173 | 173 | 173 | 173 | 0 | 0 | 173 | 0 | 0 | 0 |
| Mönchengladbach Düsseldorfer St | VMGR | 01.01.2012 | 30.12.2012 | 182 | 182 | 182 | 182 | 0 | 0 | 182 | 0 | 12 | 0 |
| Mülheim Hofackerstraße 46-48 | MHHS | 01.01.2012 | 31.12.2012 | 353 | 353 | 353 | 352 | 353 | 353 | 353 | 353 | 0 | 0 |
| Mülheim-Styrum | STYR | 01.01.2012 | 31.12.2012 | 365 | 365 | 365 | 365 | 0 | 0 | 365 | 0 | 365 | 177 |
| Münster-Geist | MSGE | 01.01.2012 | 30.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 179 |
| Niederzier | NIZI | 01.01.2012 | 31.12.2012 | 365 | 365 | 365 | 365 | 0 | 0 | 365 | 0 | 12 | 0 |
| Simmerath (Eifel) | EIFE | 01.01.2012 | 30.12.2012 | 179 | 179 | 179 | 172 | 0 | 0 | 179 | 0 | 12 | 162 |
| Stolberg Heinrich-Böll-Platz | STOH | 01.01.2012 | 31.12.2012 | 183 | 183 | 183 | 183 | 0 | 0 | 183 | 0 | 12 | 0 |
| Warstein | WAST | 02.01.2012 | 31.12.2012 | 183 | 183 | 183 | 181 | 0 | 0 | 183 | 0 | 0 | 0 |
| Wuppertal Gathe | VWEL | 01.01.2012 | 30.12.2012 | 175 | 175 | 175 | 173 | 0 | 0 | 175 | 0 | 12 | 0 |
| Wuppertal-Langerfeld | WULA | 01.01.2012 | 31.12.2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 341 |

| Stationen | Kürzel | Messzeitraum | | Benz(a)- anthracen n | Benzo(j)- fluoranthen n | Benzo(b)- fluoranthen n | Benzo(k)- fluoranthen n | Benzo(a)- pyren n | Dibenz(ah)- anthracen n | Indeno- pyren n |
|-----------------|--------|--------------|------------|----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------|-------------------------------|-----------------------|
| | | Beginn | Ende | | | | | | | |
| Bottrop-Welheim | BOTT | 01.01.2012 | 31.12.2012 | 183 | 183 | 183 | 183 | 183 | 183 | 183 |
| Mülheim-Styrum | STYR | 01.01.2012 | 31.12.2012 | 365 | 365 | 365 | 365 | 365 | 365 | 365 |

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