Information on lead

1 Limit value

Table 1

<table>
<thead>
<tr>
<th>Averaging period</th>
<th>Limit value</th>
<th>Date by which limit value is to be met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual limit value for the protection of human health</td>
<td>0.5 µg/m³</td>
<td>1 January 2005</td>
</tr>
<tr>
<td>Calendar year</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The sampling volume refers to ambient conditions in terms of temperature and atmospheric pressure at the date of measurements.

2 Upper and lower assessment thresholds

Table 2

<table>
<thead>
<tr>
<th>Annual average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper assessment threshold</td>
</tr>
<tr>
<td>Lower assessment threshold</td>
</tr>
</tbody>
</table>
3 Data quality objectives

Table 3

<table>
<thead>
<tr>
<th>Data collection</th>
<th>Data quality objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous measurement</td>
<td></td>
</tr>
<tr>
<td>Uncertainty</td>
<td>25 %</td>
</tr>
<tr>
<td>Minimum data capture</td>
<td>90 %</td>
</tr>
<tr>
<td>Indicative measurements</td>
<td></td>
</tr>
<tr>
<td>Uncertainty</td>
<td>50 %</td>
</tr>
<tr>
<td>Minimum data capture</td>
<td>90 %</td>
</tr>
<tr>
<td>Minimum time coverage</td>
<td>14 % (One day's measurement a week at random, evenly distributed over the year, or eight weeks evenly distributed over the year.)</td>
</tr>
<tr>
<td>Modelling</td>
<td></td>
</tr>
<tr>
<td>Uncertainty</td>
<td></td>
</tr>
<tr>
<td>Annual averages</td>
<td>50 %</td>
</tr>
<tr>
<td>Objective estimation</td>
<td></td>
</tr>
<tr>
<td>Uncertainty</td>
<td>100 %</td>
</tr>
</tbody>
</table>

4 Reference method for the sampling/analysis of lead

The reference method for the measurement of lead is that described in EN 14902:2005 “Standard method for measurement of Pb/Cd/As/Ni in the PM10 fraction of suspended particulate matter”: Determination of the particulate lead content of aerosols collected in filters followed by atomic absorption spectroscopy method.

5 Legal basis

- Directive 2008/50/EC of 21 May 2008 on ambient air quality and cleaner air for Europe (OJ EC. L 152/1)
- 39th Ordinance Implementing the Federal Immission Control Act (Ordinance on Air Quality Standards and Emission Ceilings - 39. BImSchV)