

**Tab. 1 Air pollution monitoring localities, based on the owner, Czech Republic, 2010**

| <b>Zone / agglomeration</b>            | <b>CHMI</b> | <b>ZÚ</b> | <b>ČEZ</b> | <b>P+S</b> | <b>KMon</b> | <b>Total</b> |
|--|-------------|-----------|------------|------------|-------------|--------------|
| Agglomeration Brno                     | 6           | 2         | –          | –          | 5           | <b>13</b>    |
| Agglomeration Prague                   | 15          | 7         | –          | –          | –           | <b>22</b>    |
| Zone South Bohemian Region             | 8           | 2         | –          | –          | –           | <b>10</b>    |
| Zone South Moravian Region             | 5           | 1         | –          | –          | –           | <b>6</b>     |
| Zone Karlovy Vary Region               | 5           | 4         | 1          | –          | –           | <b>10</b>    |
| Zone Hradec Králové Region             | 9           | 1         | –          | –          | –           | <b>10</b>    |
| Zone Liberec Region                    | 9           | 2         | –          | –          | –           | <b>11</b>    |
| Agglomeration Moravian-Silesian Region | 23          | 4         | 2          | –          | 1           | <b>30</b>    |
| Zone Olomouc Region                    | 5           | 1         | –          | –          | 2           | <b>8</b>     |
| Zone Pardubice Region                  | 5           | 2         | 1          | –          | 1           | <b>9</b>     |
| Zone Plzeň Region                      | 5           | 2         | –          | –          | 5           | <b>12</b>    |
| Zone Central Bohemian Region           | 11          | 7         | –          | 2          | –           | <b>20</b>    |
| Zone Ústí nad Labem Region             | 19          | 5         | 10         | 1          | –           | <b>35</b>    |
| Zone Vysočina Region                   | 7           | 3         | –          | –          | –           | <b>10</b>    |
| Zone Zlín Region                       | 4           | –         | –          | –          | 2           | <b>6</b>     |
| <b>Total</b>                           | <b>136</b>  | <b>43</b> | <b>14</b>  | <b>3</b>   | <b>16</b>   | <b>212</b>   |

**Explanatory notes:**

|      |  |
|------|--|
| ZÚ   | Health Institute [incl. ZÚ Praha (13), ZÚ, SMOva (2), HEL Cheb (1)]  |
| P+S  | industry [ČESRAF (1), Vápenka Čertovy schody, a.s. (1)] + education [SŠZE Žatec(1)]  |
| KMon | municipal monitoring [MÚ Třinec (1), Město Plzeň (5), MÚ Pardubice (1),<br>Město Šumperk (1), Město Olomouc (1), Město Zlín (1), Statutární město Brno(5), Město Valašské Meziříčí(1)] |

**Tab. 2 Air pollution monitoring localities measuring basic pollutants, AMS, based on the owner, Czech Republic, 2010**

| Zone / agglomeration                   | SO <sub>2</sub> |                        | NO, NO <sub>2</sub> , NO <sub>x</sub> |   | PM <sub>10</sub> |                       | O <sub>3</sub> |                       | CO        |   | BTX       |                                   |
|--|-----------------|------------------------|---------------------------------------|---|------------------|-----------------------|----------------|-----------------------|-----------|---|-----------|-----------------------------------|
|  | CHMI            | <sup>1</sup> Others SN | CHMI                                  | <sup>1</sup> Others SN, ZÚ Praha, SŠZE Žatec, VČs | CHMI             | <sup>2</sup> Others P | CHMI           | <sup>3</sup> Others O | CHMI      | ZÚ, Město Plzeň, VČs, Statutární město Brno | CHMI      | Město Plzeň, MÚ Pardubice, ČESRAF |
| Agglomeration Brno                     | 1               | 5                      | 3                                     | 5   | 2                | 5                     | 1              | 2                     | 2         | 5   | 1         | –                                 |
| Agglomeration Prague                   | 10              | –                      | 15                                    | –   | 14               | –                     | 9              | –                     | 4         | –   | 4         | –                                 |
| Zone South Bohemian Region             | 4               | 2                      | 4                                     | 2   | 2                | 1                     | 5              | 1                     | 1         | 1   | 2         | –                                 |
| Zone South Moravian Region             | 2               | –                      | 2                                     | –   | 2                | 1                     | 2              | –                     | 1         | –   | 1         | –                                 |
| Zone Karlovy Vary Region               | 3               | 1                      | 4                                     | 2   | 4                | 1                     | 2              | –                     | 1         | –   | 1         | –                                 |
| Zone Hradec Králové Region             | 4               | 1                      | 4                                     | 1   | 3                | 1                     | 4              | 1                     | 1         | 1   | 1         | –                                 |
| Zone Liberec Region                    | 5               | –                      | 4                                     | –   | 3                | –                     | 3              | –                     | 1         | –   | 1         | –                                 |
| Agglomeration Moravian-Silesian Region | 13              | 4                      | 14                                    | 4   | 13               | 3                     | 6              | 2                     | 2         | –   | 4         | –                                 |
| Zone Olomouc Region                    | 2               | 2                      | 3                                     | 3   | 3                | 1                     | 3              | 3                     | 1         | –   | 1         | –                                 |
| Zone Pardubice Region                  | 1               | 2                      | 2                                     | 2   | 1                | 2                     | 2              | 1                     | 1         | –   | 1         | 1                                 |
| Zone Plzeň Region                      | 2               | 6                      | 2                                     | 7   | 1                | 7                     | 2              | 4                     | 1         | 4   | –         | 1                                 |
| Zone Central Bohemian Region           | 5               | 1                      | 6                                     | 3   | 5                | 2                     | 3              | –                     | 2         | 1   | 1         | 1                                 |
| Zone Ústí nad Labem Region             | 12              | 10                     | 15                                    | 11  | 12               | 5                     | 10             | 1                     | 3         | –   | 4         | –                                 |
| Zone Vysočina Region                   | 2               | 2                      | 3                                     | 2   | 3                | 2                     | 3              | 1                     | 2         | –   | 1         | –                                 |
| Zone Zlín Region                       | 1               | 1                      | 2                                     | 1   | 2                | –                     | 2              | 1                     | 1         | –   | 1         | –                                 |
| Total                                  | 67              | 37                     | 83                                    | 43  | 70               | 31                    | 57             | 17                    | 24        | 12  | 24        | 3                                 |
| <b>Total</b>                           | <b>104</b>      |                        | <b>126</b>                            |   | <b>101</b>       |                       | <b>74</b>      |                       | <b>36</b> |   | <b>27</b> |                                   |

**Explanatory notes:**

<sup>1</sup>Others SN: ZÚ + ZÚ, SMOva, ČEZ, ČESRAF, Město Plzeň, Město Zlín, Město Šumperk, Město Olomouc, Statutární město Brno, MÚ Pardubice

<sup>2</sup>Others P: ZÚ, ČESRAF, Město Plzeň, Statutární město Brno, MÚ Třinec, SŠZE Žatec

<sup>3</sup>Others O: ZÚ, Město Plzeň, Město Zlín, Město Šumperk, Město Olomouc, Statutární město Brno, MÚ Pardubice, SŠZE Žatec

BTX Includes measurement of aromatic hydrocarbons: benzene, toluene, ethylbenzene, o-xylene, m-xylene, p-xylene, m,p-xylene.

Note: At certain stations the above measuring programme may be limited.

**Tab. 3 Air pollution monitoring localities measuring other pollutants and supplementary quantities, AMS, based on the owner, Czech Republic 2010**

| Zone / agglomeration                   | PM <sub>2,5</sub> |   | PM <sub>1</sub>                    | H <sub>2</sub> S | NH <sub>3</sub> | Hg <sup>0</sup> | Meteo     |        |
|--|-------------------|---|------------------------------------|------------------|-----------------|-----------------|-----------|--------|
|  | CHMI              | ZÚ, SMOva, Město Plzeň, Statutární město Brno, ČEZ, VČs | Město Plzeň, Statutární město Brno | ZÚ               | CHMI            | CHMI            | CHMI      | Others |
| Agglomeration Brno                     | 1                 | 3   | 3                                  | –                | –               | –               | 1         | 5      |
| Agglomeration Prague                   | 4                 | –   | –                                  | –                | –               | –               | 6         | –      |
| Zone South Bohemian Region             | 1                 | –   | –                                  | –                | –               | –               | 3         | 1      |
| Zone South Moravian Region             | 2                 | –   | –                                  | –                | 1               | –               | 2         | –      |
| Zone Karlovy Vary Region               | 1                 | –   | –                                  | –                | –               | –               | 4         | 1      |
| Zone Hradec Králové Region             | 1                 | –   | –                                  | –                | –               | –               | 4         | –      |
| Zone Liberec Region                    | 1                 | –   | –                                  | –                | –               | –               | 4         | –      |
| Agglomeration Moravian-Silesian Region | 5                 | 1   | –                                  | 1                | –               | –               | 13        | 5      |
| Zone Olomouc Region                    | 1                 | –   | –                                  | –                | –               | –               | 3         | –      |
| Zone Pardubice Region                  | 1                 | –   | –                                  | –                | 1               | –               | 1         | 2      |
| Zone Plzeň Region                      | –                 | 2   | 1                                  | –                | –               | –               | 1         | 3      |
| Zone Central Bohemian Region           | 2                 | 1   | –                                  | –                | –               | –               | 4         | 2      |
| Zone Ústí nad Labem Region             | 3                 | 1   | –                                  | –                | 1               | 1               | 13        | 11     |
| Zone Vysočina Region                   | 1                 | –   | –                                  | –                | –               | –               | 2         | –      |
| Zone Zlín Region                       | 1                 | –   | –                                  | –                | –               | –               | 3         | –      |
| <b>Total</b>                           | 25                | 8   | 4                                  | 1                | 3               | 1               | 64        | 30     |
| <b>Total</b>                           | <b>33</b>         |   | <b>4</b>                           | <b>1</b>         | <b>3</b>        | <b>1</b>        | <b>94</b> |        |

**Explanatory notes:**

Others ZÚ, ŽÚ SMOva, ČEZ, MÚ Třinec, Město Plzeň, MÚ Pardubice, Statutární město Brno, ČESRAF, SŠZE Žatec, VČs

Meteo Measurement of meteorological parameters:

T10m - temperature 10 m above terrain, T2m - temperature 2 m above terrain, h - relative air humidity, p - atmospheric pressure, RAIN - precipitation amount, GLRD - global radiation, WV - wind velocity, WD - wind direction, WVm - short-term wind velocity maximum, WDM - short-term wind direction maximum.

Note: At certain stations the above measuring programme may be limited.

**Tab. 4 Air pollution monitoring localities measuring basic pollutants, manual methods, based on the owner, Czech Republic 2010**

| Zone / agglomeration                   | SO <sub>2</sub> |    | NO <sub>2</sub> |    | PM <sub>10</sub> |          | HM        |    | SPM      | NO <sub>x</sub> |
|--|-----------------|----|-----------------|----|------------------|----------|-----------|----|----------|-----------------|
|  | CHMI            | ZÚ | CHMI            | ZÚ | CHMI             | ZÚ, KMon | CHMI      | ZÚ | ZÚ       | ZÚ              |
| Agglomeration Brno                     | 1               | –  | 3               | 2  | 4                | 2        | 1         | 2  | –        | –               |
| Agglomeration Prague                   | 1               | –  | 1               | 6  | 2                | 6        | 1         | 7  | 1        | –               |
| Zone South Bohemian Region             | 2               | –  | 2               | –  | 3                | –        | 2         | 1  | –        | –               |
| Zone South Moravian Region             | 1               | –  | 2               | –  | 3                | –        | 1         | 1  | –        | –               |
| Zone Karlovy Vary Region               | 1               | 2  | 1               | 1  | 1                | 1        | 1         | 1  | 2        | 2               |
| Zone Hradec Králové Region             | 3               | –  | 3               | –  | 6                | –        | 1         | 1  | –        | –               |
| Zone Liberec Region                    | 3               | –  | 3               | –  | 5                | 2        | 3         | 2  | –        | –               |
| Agglomeration Moravian-Silesian Region | 6               | –  | 5               | 1  | 9                | 2        | 5         | 4  | 2        | –               |
| Zone Olomouc Region                    | 2               | –  | 2               | –  | 3                | 2        | 1         | 1  | –        | –               |
| Zone Pardubice Region                  | 4               | –  | 4               | –  | 5                | –        | 2         | 2  | –        | –               |
| Zone Plzeň Region                      | 2               | –  | 2               | –  | 3                | –        | 1         | 2  | –        | –               |
| Zone Central Bohemian Region           | 5               | –  | 5               | 3  | 5                | 6        | 1         | 7  | –        | –               |
| Zone Ústí nad Labem Region             | 4               | 1  | 4               | 3  | 10               | 5        | 3         | 4  | –        | 2               |
| Zone Vysočina Region                   | 3               | –  | 4               | –  | 4                | 1        | 1         | 3  | –        | 1               |
| Zone Zlín Region                       | 1               | –  | 1               | –  | 2                | 2        | 1         | –  | –        | –               |
| Total                                  | 39              | 3  | 42              | 16 | 65               | 29       | 25        | 38 | 5        | 5               |
| <b>Total</b>                           | <b>42</b>       |    | <b>58</b>       |    | <b>94</b>        |          | <b>63</b> |    | <b>5</b> | <b>5</b>        |

**Explanatory notes:**

KMon municipal monitoring [Město Šumperk (1), Město Olomouc (1), Město Zlín (1), Město Valašské Meziříčí(1)]

ZÚ Health Institute [incl. ZÚ Praha, ZÚ, SMOva, HEL Cheb]

HM Includes measurement of the following elements:  
As, Cd, Pb, Cr, Ni, Be, Mn, Fe, Cu, Zn, V.

**Note:** Simultaneous HM in PM<sub>10</sub> and in PM<sub>2.5</sub> are counted once  
ZÚ only aggreg. 24h data: CO: Prague - 1 measurement; ozone: Ústí nad Labem Region - 3 measurements  
At certain stations the above measuring programme may be limited.

**Tab. 5 Total number of monitoring localities with special measurements, manual methods, based on the owner, Czech Republic, 2010**

| Zone / agglomeration                   | VOC       | POPs      |              | PM <sub>2,5</sub> |    | SNO <sub>3</sub> <sup>-</sup> | Hg       |    | Hg <sup>0</sup> | H <sub>2</sub> S |
|--|-----------|-----------|--------------|-------------------|----|-------------------------------|----------|----|-----------------|------------------|
|  | CHMI      | CHMI      | ZÚ, ZÚ SMOva | CHMI              | ZÚ | CHMI                          | CHMI     | ZÚ | ZÚ              | ZÚ               |
| Agglomeration Brno                     | 2         | 1         | 1            | -                 | -  | -                             | -        | -  | -               | -                |
| Agglomeration Prague                   | 2         | 1         | 1            | 1                 | 1  | 1                             | -        | -  | -               | -                |
| Zone South Bohemian Region             | 1         | 1         | -            | -                 | -  | -                             | -        | -  | -               | -                |
| Zone South Moravian Region             | -         | 2         | -            | -                 | -  | -                             | -        | -  | -               | -                |
| Zone Karlovy Vary Region               | 2         | 1         | -            | -                 | -  | -                             | -        | -  | -               | -                |
| Zone Hradec Králové Region             | -         | 1         | 1            | 3                 | -  | -                             | -        | -  | -               | -                |
| Zone Liberec Region                    | 1         | 1         | -            | -                 | -  | -                             | -        | -  | -               | -                |
| Agglomeration Moravian-Silesian Region | 1         | 5         | 3            | 2                 | -  | -                             | -        | 1  | -               | -                |
| Zone Olomouc Region                    | -         | 1         | -            | -                 | -  | -                             | -        | -  | -               | -                |
| Zone Pardubice Region                  | -         | 1         | -            | 2                 | -  | 1                             | -        | -  | -               | -                |
| Zone Plzeň Region                      | -         | 1         | 1            | -                 | -  | -                             | -        | -  | -               | -                |
| Zone Central Bohemian Region           | -         | 2         | -            | -                 | -  | -                             | -        | -  | -               | -                |
| Zone Ústí nad Labem Region             | 5         | 4         | 1            | 4                 | -  | -                             | -        | -  | -               | 2                |
| Zone Vysočina Region                   | 2         | 1         | 1            | 1                 | -  | 1                             | 1        | -  | 1               | -                |
| Zone Zlín Region                       | -         | 1         | -            | -                 | -  | -                             | -        | -  | -               | -                |
| Total                                  | 16        | 24        | 9            | 13                | 1  | 3                             | 1        | 1  | 1               | 2                |
| <b>Total</b>                           | <b>16</b> | <b>33</b> |              | <b>14</b>         |    | <b>3</b>                      | <b>2</b> |    | <b>1</b>        | <b>2</b>         |

**Explanatory notes:**

VOC Includes measurement of separately analyzed hydrocarbons:

benzene, methane, ethane, ethene, propane, propene, i-butane, n-butane, acetylene, sum of butene, i-pentane, n-pentane, sum of pentene, methyl cyclopentane, n-hexane, cyclohexane, n-heptane, isoprene, toluene, ethylbenzene, m,p-xylene, o-xylene, nonane, 2+3 methylpentane, 2+3 methylhexane, cyclopentane, 2,2-dimethylbutane, 2,3 dimethylbutane, 2+3 methylheptane, i-octane, n-octane.

POPs Includes measurement of persistent organic pollutants:

anthracene, acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, phenanthrene, fluorene, fluoranthene, ideno(1,2,3-cd)pyrene, naphthalene, pyrene, alpha-HCH, beta-HCH, delta-HCH, gamma-HCH, hexachlorbenzene, PAHs, PCP28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, p,p'-DDD, p,p'-DDE, p,p'-DDT, coronen

**Note:** At certain stations the above measuring programme may be limited.



**Tab. 7 Percentage of valid data from the stations with manual measurement, 2010**

|                                 | ČHMÚ            | HEL Cheb     | MOLO         | MŠUM         | MVM          | MZLI         | ZÚ              | ZÚ Praha        | ZÚ, SMOva    |
|---------------------------------|-----------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--------------|
| As                              | 30/28<br>93.3 % |              |              |              |              |              | 24/22<br>91.7 % | 13/13<br>100 %  | 2/2<br>100 % |
| BaP                             | 25/25<br>100 %  |              |              |              |              |              | 7/7<br>100 %    |                 | 2/2<br>100 % |
| BZN                             | 17/8<br>47.1 %  |              |              |              |              |              |                 |                 |              |
| Cd                              | 30/28<br>93.3 % |              |              |              |              |              | 24/22<br>91.7 % | 13/13<br>100 %  | 2/2<br>100 % |
| CO                              |                 |              |              |              |              |              | 1/1<br>100 %    |                 |              |
| H <sub>2</sub> S                |                 |              |              |              |              |              | 2/0<br>0 %      |                 |              |
| Hg                              | 1/1<br>100 %    |              |              |              |              |              | 1/1<br>100 %    |                 |              |
| Hg <sup>0</sup>                 | 1/0<br>0 %      |              |              |              |              |              |                 |                 |              |
| Ni                              | 30/28<br>93.3 % |              |              |              |              |              | 24/22<br>91.7 % | 13/13<br>100 %  | 2/2<br>100 % |
| NO                              |                 |              |              |              |              |              | 3/2<br>66.7 %   |                 |              |
| NO <sub>2</sub>                 | 42/41<br>97.6 % | 1/1<br>100 % |              |              |              |              | 7/2<br>28.6 %   | 8/8<br>100 %    |              |
| NO <sub>x</sub>                 |                 |              |              |              |              |              | 5/2<br>40 %     |                 |              |
| O <sub>3</sub>                  |                 |              |              |              |              |              | 2/0<br>0 %      |                 |              |
| Pb                              | 30/28<br>93.3 % |              |              |              |              |              | 24/22<br>91.7 % | 13/13<br>100 %  | 2/2<br>100 % |
| PM <sub>10</sub>                | 71/70<br>98.6 % | 1/1<br>100 % | 1/1<br>100 % | 1/1<br>100 % | 1/1<br>100 % | 1/1<br>100 % | 13/11<br>84.6 % | 11/10<br>90.9 % |              |
| PM <sub>2,5</sub>               | 14/14<br>100 %  |              |              |              |              |              | 1/1<br>100 %    |                 |              |
| SNH <sub>4</sub>                | 3/3<br>100 %    |              |              |              |              |              |                 |                 |              |
| SNO <sub>3</sub>                | 3/3<br>100 %    |              |              |              |              |              |                 |                 |              |
| SO <sub>2</sub>                 | 39/38<br>97.4 % |              |              |              |              |              | 3/3<br>100 %    |                 |              |
| SO <sub>4</sub> <sup>(2-)</sup> | 3/3<br>100 %    |              |              |              |              |              |                 |                 |              |
| SPM                             |                 |              |              |              |              |              | 2/2<br>100 %    | 1/1<br>100 %    | 2/2<br>100 % |

**Tab. 8 Percentage of valid data from the stations measuring meteorological parameters, 2010**

|        | ČESRAF       | ČEZ            | ČHMÚ            | MPI           | MÚPa         | MÚTř       | SMBRNO       | SŠZE Žatec   | VČs          | ZÚ           | ZÚ, SMOva    |
|--------|--------------|----------------|-----------------|---------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|
| GLRD   |              |                | 48/46<br>95.8 % | 1/1<br>100 %  | 1/1<br>100 % |            |              | 1/1<br>100 % |              |              |              |
| h      | 1/1<br>100 % |                | 61/55<br>90.2 % | 5/4<br>80 %   | 1/1<br>100 % |            | 5/5<br>100 % | 1/1<br>100 % | 1/0<br>0 %   | 1/1<br>100 % | 2/2<br>100 % |
| p      | 1/0<br>0 %   |                |                 |               |              |            | 3/3<br>100 % |              |              |              |              |
| T10m   |              | 14/14<br>100 % |                 | 3/2<br>66.7 % |              |            |              |              |              | 1/1<br>100 % |              |
| T2m    | 1/1<br>100 % |                | 64/60<br>93.8 % | 5/4<br>80 %   | 1/1<br>100 % | 1/0<br>0 % | 5/5<br>100 % | 1/1<br>100 % | 1/1<br>100 % | 1/1<br>100 % | 2/2<br>100 % |
| WV, WD | 1/1<br>100 % | 14/14<br>100 % | 64/61<br>95.3 % | 3/2<br>66.7 % | 1/1<br>100 % | 1/0<br>0 % | 5/5<br>100 % | 1/1<br>100 % | 1/1<br>100 % | 1/1<br>100 % | 2/1<br>50 %  |

**Tab. 9 Percentage of data from other measurements, 2010**

|       |           | ČHMÚ           | ZÚ           | ZÚ Praha | ZÚ, SMOva    |
|-------|-----------|----------------|--------------|----------|--------------|
| PAH   | A         | 11/11<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | AC        | 1/1<br>100 %   |              |          |              |
| PAH   | ACL       | 1/1<br>100 %   |              |          |              |
| PAH   | BaA       | 11/11<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | BbF       | 25/25<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | BghiPRL   | 25/25<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | BkF       | 25/25<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | COR       | 24/18<br>75 %  |              |          |              |
| PAH   | DBahA     | 25/25<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | Fen       | 11/11<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | Fl        | 11/11<br>100 % |              |          |              |
| PAH   | Flu       | 11/11<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | HCB       | 1/1<br>100 %   |              |          |              |
| PAH   | HCH       | 1/1<br>100 %   |              |          |              |
| PAH   | Chry      | 11/11<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | I123cdP   | 25/25<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | N         | 1/1<br>100 %   |              |          |              |
| PAH   | PAHs      | 11/11<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | PAHs_TEQ  |                | 7/7<br>100 % |          | 2/2<br>100 % |
| PAH   | Pyr       | 11/11<br>100 % | 7/7<br>100 % |          | 2/2<br>100 % |
| PCB   | alpha_HCH | 1/1<br>100 %   |              |          |              |
| PCB   | beta_HCH  | 1/1<br>100 %   |              |          |              |
| PCB   | delta_HCH | 1/1<br>100 %   |              |          |              |
| PCB   | gamma_HCH | 1/1<br>100 %   |              |          |              |
| PCB   | PCB101    | 1/1<br>100 %   |              |          |              |
| PCB   | PCB118    | 1/1<br>100 %   |              |          |              |
| PCB   | PCB138    | 1/1<br>100 %   |              |          |              |
| PCB   | PCB153    | 1/1<br>100 %   |              |          |              |
| PCB   | PCB180    | 1/1<br>100 %   |              |          |              |
| PCB   | PCB28     | 1/1<br>100 %   |              |          |              |
| PCB   | PCB52     | 1/1<br>100 %   |              |          |              |
| PCB   | PCBs      | 1/1<br>100 %   |              |          |              |
| PCB   | PeCB      | 1/1<br>100 %   |              |          |              |
| PCB   | pp_DDD    | 1/1<br>100 %   |              |          |              |
| PCB   | pp_DDE    | 1/1<br>100 %   |              |          |              |
| PCB   | pp_DDT    | 1/1<br>100 %   |              |          |              |
| PRVKY | Be        |                | 4/4<br>100 % |          |              |



|       |       |                 |                 |                |              |
|-------|-------|-----------------|-----------------|----------------|--------------|
| PRVKY | Cr    |                 | 24/21<br>87.5 % | 13/13<br>100 % | 2/0<br>0 %   |
| PRVKY | Cu    | 30/28<br>93.3 % | 5/4<br>80 %     |                |              |
| PRVKY | Fe    |                 | 4/4<br>100 %    |                |              |
| PRVKY | Mn    | 30/28<br>93.3 % | 24/21<br>87.5 % | 13/13<br>100 % | 2/2<br>100 % |
| PRVKY | V     |                 | 4/4<br>100 %    |                |              |
| PRVKY | Zn    |                 | 2/1<br>50 %     |                |              |
| VOC   | ACET  | 2/0<br>0 %      |                 |                |              |
| VOC   | CP    | 2/0<br>0 %      |                 |                |              |
| VOC   | DMB22 | 2/0<br>0 %      |                 |                |              |
| VOC   | DMB23 | 2/0<br>0 %      |                 |                |              |
| VOC   | EBZN  | 2/0<br>0 %      |                 |                |              |
| VOC   | ETAN  | 2/0<br>0 %      |                 |                |              |
| VOC   | ETEN  | 2/0<br>0 %      |                 |                |              |
| VOC   | CHEX  | 2/0<br>0 %      |                 |                |              |
| VOC   | I_OKT | 2/0<br>0 %      |                 |                |              |
| VOC   | IBUT  | 2/0<br>0 %      |                 |                |              |
| VOC   | IPEN  | 2/0<br>0 %      |                 |                |              |
| VOC   | ISOP  | 2/0<br>0 %      |                 |                |              |
| VOC   | MCPT  | 2/0<br>0 %      |                 |                |              |
| VOC   | METAN | 2/0<br>0 %      |                 |                |              |
| VOC   | MH23  | 2/0<br>0 %      |                 |                |              |
| VOC   | MHP23 | 2/0<br>0 %      |                 |                |              |
| VOC   | MP23  | 2/0<br>0 %      |                 |                |              |
| VOC   | MPXY  | 2/0<br>0 %      |                 |                |              |
| VOC   | N_OKT | 2/0<br>0 %      |                 |                |              |
| VOC   | NBUT  | 2/0<br>0 %      |                 |                |              |
| VOC   | NHEP  | 2/0<br>0 %      |                 |                |              |
| VOC   | NHEX  | 2/0<br>0 %      |                 |                |              |
| VOC   | NONN  | 2/0<br>0 %      |                 |                |              |
| VOC   | NPEN  | 2/0<br>0 %      |                 |                |              |
| VOC   | OXY   | 2/0<br>0 %      |                 |                |              |
| VOC   | PRPA  | 2/0<br>0 %      |                 |                |              |
| VOC   | PRPE  | 2/0<br>0 %      |                 |                |              |
| VOC   | SBUT  | 2/0<br>0 %      |                 |                |              |
| VOC   | SPTN  | 2/0<br>0 %      |                 |                |              |
| VOC   | TLN   | 2/0<br>0 %      |                 |                |              |

The fraction indicates the number of stations registered in the given year / the number of stations meeting the condition NSV ≤ 40 days and MP ≥ 66 %, where

NSV – the longest lasting continuous failure in the given year

MP – minimum percentage of measurements in the given year