**In conformitate cu LEGEA 104/2011, continutul de metale grele din pulberi aspirabile fractia PM10 la statiile automate de monitorizare a calitatii aerului (PH1, PH2, PH3, PH5, PH6) in anul 2017 p este urmatoarea:**

ANUL 2017

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PLUMB** | **Statii automate / Valori masurate [ug/mc]** | | | | | **VL anuala** |
|  | **PH1** | **PH2** | **PH3** | **PH5** | **PH6** | **0,5**  **µg/mc** |
| **Valoare medie anuala** | **0.0133** | **0.0142** | **0.0129** | **0.0148** | **0.0148** |
|  |  |  |  |  |  |
| **Captura date (%)** | **98.08** | **93.42** | **89.04** | **95.07** | **98.36** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CADMIU** | **Statii automate / Valori masurate [ng/mc]** | | | | | **Valoare tinta anuala\*** |
|  | **PH1** | **PH2** | **PH3** | **PH5** | **PH6** | **5 ng/mc** |
| **Valoare medie**  **anuala** | **0.508** | **0.488** | **0.561** | **0.6275** | **0.659** |
|  |  |  |  |  |  |
| **Captura date (%)** | **98.08** | **93.42** | **89.04** | **95.07** | **98.36** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **NICHEL** | **Statii automate/ Valori masurate [ng/mc]** | | | | | **Valoare tinta anuala\*** |
|  | **PH1** | **PH2** | **PH3** | **PH5** | **PH6** | **20 ng/mc** |
| **Valoare medie**  **anuala** | **0.8144** | **0.820** | **0.702** | **1.508** | **1.030** |
|  |  |  |  |  |  |
| **Captura date (%)** | **98.08** | **93.42** | **89.04** | **95.07** | **98.36** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ARSEN** | **Statii automate/ Valori masurate [ng/mc]** | | | | | **Valoare tinta anuala\*** |
|  | **PH1** | **PH2** | **PH3** | **PH5** | **PH6** | **6 ng/mc** |
| **Valoare medie**  **anuala** | **0.588** | **0.598** | **0.596** | **0.708** | **0.727** |
|  |  |  |  |  |  |
| **Captura date (%)** | **98.08** | **93.42** | **89.04** | **95.07** | **98.36** |

\*Pentru continutul total din fractia PM10, mediat pentru un an calendaristic

După cantarirea filtrelor (fractia PM10) prelevate din statiile automate de monitorizare a calitatii aerului: PH1, PH2, PH3, PH5, PH6 si determinarea continutului de pulberi aspirabile (metoda gravimetrica) , filtrele sunt mineralizate.

In urma procesului de mineralizare, probele sunt aduse in solutie si apoi sunt analizate la spectrometru cu absorbtie atomica (SAA) in vederea determinarii continutului de metale grele : plumb, cadmiu, nichel, arsen (in conformitate cu metoda standard de masurare a Pb, Cd, As, Ni in fractia PM10) .