

### 3.b. Hungarian project area –samples of vegetation

#### 3.1.b. Bekescsaba

| <b>Samp<br/>le nr.</b> | <b>Geographical<br/>coordinates</b> | <b>Type of sample</b> | <b>Laboratory results, mg/kg d.m.</b> |           |           |           |
|------------------------|-------------------------------------|-----------------------|---------------------------------------|-----------|-----------|-----------|
|                        |                                     |                       | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PP 1</b>            | N46°44'20,50"<br>E21°01'31,89"      | Near Bekes            | <2,5                                  | 13,31     | <6,0      | <0,9      |
| <b>PP 18</b>           | N46°40'16,35"<br>E21°10'57,78"      | Route 44              | <2,5                                  | 10,31     | <6,0      | <0,9      |
| <b>PP 19</b>           | N46°40'27,99"<br>E21°09'07,79"      | Route 44              | <2,5                                  | 6,33      | <6,0      | <0,9      |
| <b>PP 20</b>           | N46°40'29,64"<br>E21°08'59,90"      | Route 44              | <2,5                                  | 15,94     | <6,0      | <0,9      |

### 3.2.b. Bekes

| <b>Samp<br/>le nr.</b> | <b>Geographical<br/>coordinates</b> | <b>Type of sample</b>                 | <b>Laboratory results, mg/kg d.m.</b> |           |           |           |
|------------------------|-------------------------------------|---------------------------------------|---------------------------------------|-----------|-----------|-----------|
|                        |                                     |                                       | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PP 16</b>           | N46°47'11,67"<br>E21°05'22,45"      | Near Bekes                            | <2,5                                  | 5,57      | <6,0      | <0,9      |
| <b>PP 21</b>           | N46°44'25,34"<br>E21°07'35,32"      | Livestock farm near<br>Bekes.         | <2,5                                  | 8,23      | <6,0      | <0,9      |
| <b>PP 22</b>           | N46°44'24,56"<br>E21°07'08,62"      | Livestock farm near<br>Bekes          | 2,89                                  | 12,97     | <6,0      | <0,9      |
| <b>PP 23</b>           | N46°45'59,84"<br>E21°06'15,90"      | Waste landfill closed<br>Bekes        | <2,5                                  | 16,36     | 9,48      | <0,9      |
| <b>PP 24</b>           | N46°47'50,72"<br>E21°10'11,53"      | Farm pigs between<br>Bekes and Tarhos | <2,5                                  | 10,41     | <6,0      | <0,9      |
| <b>PP 25</b>           | N46°48'21,90"<br>E21°09'55,90"      | Farm pigs Bekes                       | <2,5                                  | 7,42      | <6,0      | <0,9      |
| <b>PP 26</b>           | N46°47'48,60"<br>E21°09'42,51"      | Farm pigs Bekes                       | 3,17                                  | 11,57     | <6,0      | <0,9      |

### 3.3.b. Gyula

| <b>Samp<br/>le nr.</b> | <b>Geographical<br/>coordinates</b> | <b>Type of sample</b>                           | <b>Laboratory results, mg/kg d.m.</b> |           |           |           |
|------------------------|-------------------------------------|---|---------------------------------------|-----------|-----------|-----------|
|                        |                                     |   | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PP 17</b>           | N46°39'21,81"<br>E21°13'14,22"      | Route 44  | 2,89                                  | 19,31     | <6,0      | <0,9      |
| <b>PP 36</b>           | N46°37'45,22"<br>E21°16'51,28"      | Wastewater treatment<br>plant Gyula             | <2,5                                  | 9,97      | <6,0      | <0,9      |
| <b>PP 37</b>           | N46°37'39,52"<br>E21°16'51,71"      | Wastewater treatment<br>plant Gyula             | <2,5                                  | 9,46      | <6,0      | <0,9      |
| <b>PP 38</b>           | N46°37'31,34"<br>E21°16'49,15"      | Wastewater treatment<br>plant Gyula             | 2,75                                  | 9,22      | <6,0      | <0,9      |
| <b>PP 39</b>           | N46°38'06,93"<br>E21°14'34,27"      | Deposit waste transfer<br>station closed Gyula. | 2,97                                  | 20,35     | <6,0      | <0,9      |
| <b>PP 40</b>           | N46°38'36,47"<br>E21°14'23,53"      | Deposit waste transfer<br>station closed Gyula. | 3,05                                  | 20,04     | <6,0      | <0,9      |
| <b>PP 41</b>           | N46°38'25,31"<br>E21°14'22,04"      | Deposit waste transfer<br>station closed Gyula. | 2,76                                  | 30,87     | 6,41      | <0,9      |
| <b>PP 42</b>           | N46°37'32,59"<br>E21°13'15,55"      | Livestock farm near<br>Gyula                    | <2,5                                  | 18,98     | <6,0      | <0,9      |

|              |                                |                              |      |       |      |      |
|--------------|--------------------------------|------------------------------|------|-------|------|------|
| <b>PP 43</b> | N46°37'44,34"<br>E21°13'43,52" | Livestock farm near Gyula    | 4,21 | 14,14 | 9,42 | <0,9 |
| <b>PP 44</b> | N46°38'28,19"<br>E21°14'04,99" | Waste landfill closed Gyula. | 3,42 | 15,32 | <6,0 | <0,9 |

### 3.4.b. Doboz

| <b>Samp<br/>le nr.</b> | <b>Geographical<br/>coordinates</b> | <b>Type of sample</b>               | <b>Laboratory results, mg/kg d.m.</b> |           |           |           |
|------------------------|-------------------------------------|-------------------------------------|---------------------------------------|-----------|-----------|-----------|
|                        |                                     |                                     | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PP 27</b>           | N46°43'44,22"<br>E21°16'27,58"      | Waste landfill closed Doboz-Sarkad. | <2,5                                  | 18,83     | 26,01     | <0,9      |
| <b>PP 28</b>           | N46°43'43,96"<br>E21°16'28,19"      | Waste landfill closed Doboz-Sarkad. | <2,5                                  | 11,28     | 10,01     | <0,9      |

### 3.5.b. Sarkad

| <b>Samp<br/>le nr.</b> | <b>Geographical<br/>coordinates</b> | <b>Type of sample</b>                       | <b>Laboratory results, mg/kg d.m.</b> |           |           |           |
|------------------------|-------------------------------------|---|---------------------------------------|-----------|-----------|-----------|
|                        |                                     |   | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PP 29</b>           | N46°43'33,22"<br>E21°23'30,83"      | Industrial Park Sarkad                      | <2,5                                  | 5,42      | <6,0      | <0,9      |
| <b>PP 30</b>           | N46°43'28,48"<br>E21°23'27,89"      | Industrial Park Sarkad                      | <2,5                                  | 5,24      | <6,0      | <0,9      |
| <b>PP 31</b>           | N46°43'15,90"<br>E21°23'26,38"      | Industrial Park Sarkad                      | <2,5                                  | 6,87      | <6,0      | <0,9      |
| <b>PP 32</b>           | N46°46'36,65"<br>E21°22'56,27"      | Livestock farm near<br>Sarkad-<br>Keresztur | <2,5                                  | 7,92      | <6,0      | <0,9      |
| <b>PP 33</b>           | N46°46'37,04"<br>E21°22'53,53"      | Deposit waste near<br>Sarkad.               | <2,5                                  | 5,01      | <6,0      | <0,9      |
| <b>PP 34</b>           | N46°46'20,81"<br>E21°22'54,02"      | Deposit waste near<br>Sarkad.               | <2,5                                  | 16,21     | <6,0      | <0,9      |
| <b>PP 35</b>           | N46°45'38,32"<br>E21°22'56,65"      | Leaving the livestock<br>farm Sarkad.       | <2,5                                  | 11,0      | <6,0      | <0,9      |

### 3.6.b. Mezobereny

| Samp<br>le nr. | Geographical<br>coordinates    | Type of sample                          | Laboratory results, mg/kg d.m. |       |      |      |
|----------------|--------------------------------|---|--------------------------------|-------|------|------|
|                |                                |   | Cu                             | Zn    | Pb   | Cd   |
| <b>PP 2</b>    | N46°45'27,78"<br>E21°00'53,18" | Near route<br>Bekescsaba-<br>Mezobereny | <2,5                           | 3,32  | <6,0 | <0,9 |
| <b>PP 3</b>    | N46°45'54,85"<br>E21°00'06,84" | Near route<br>Bekescsaba-<br>Mezobereny | 2,10                           | 7,71  | <6,0 | <0,9 |
| <b>PP 14</b>   | N46°49'31,89"<br>E21°00'04,85  | Brick factory                           | 4,30                           | 16,60 | <6,0 | <0,9 |
| <b>PP 15</b>   | N46°47'21,19"<br>E21°04'37,82" | Near Bekes                              | 3,32                           | 14,34 | <6,0 | <0,9 |
| <b>PP 45</b>   | N46°48'37,47"<br>E21°02'31,94" | Near Mezobereny                         | 3,15                           | 16,09 | <6,0 | <0,9 |
| <b>PP 46</b>   | N46°51'11,66"<br>E21°04'39,58" | Kettos-Koros                            | 4,12                           | 14,73 | <6,0 | <0,9 |
| <b>PP 47</b>   | N46°51'21,35"<br>E21°04'43,13" | Kettos-Koros                            | 2,67                           | 15,05 | <6,0 | <0,9 |
| <b>PP 48</b>   | N46°50'45,64"<br>E21°01'39,42" | Route 47 near<br>Mezobereny             | 3,26                           | 14,38 | <6,0 | <0,9 |

### 3.7.b. Korostarcsa

| Sample nr. | Geographical coordinates       | Type of sample   | Laboratory results, mg/kg d.m. |       |       |      |
|------------|--------------------------------|------------------|--------------------------------|-------|-------|------|
|            |                                |                  | Cu                             | Zn    | Pb    | Cd   |
| PP 4       | N46°51'25,78"<br>E21°01'39,45" | Near Korostarcsa | <2,5                           | 11,86 | <6,0  | <0,9 |
| PP 5       | N46°52'49,39"<br>E21°01'11,67" | Near Korostarcsa | 3,21                           | 14,75 | 11,16 | <0,9 |
| PP 6       | N46°53'42,55"<br>E21°02'41,80" | Near Korostarcsa | <2,5                           | 2,89  | <6,0  | <0,9 |
| PP 7       | N46°54'14,39"<br>E21°02'53,62" | Near Korostarcsa | <2,5                           | 5,39  | <6,0  | <0,9 |
| PP 8       | N46°54'20,20"<br>E21°02'36,28" | Near Korostarcsa | <2,5                           | 6,56  | <6,0  | <0,9 |
| PP 09      | N46°54'12,47"<br>E21°02'49,88" | Near Korostarcsa | <2,5                           | 5,98  | <6,0  | <0,9 |
| PP 10      | N46°53'19,55"<br>E21°02'42,22" | Near Korostarcsa | <2,5                           | 4,41  | <6,0  | <0,9 |
| PP 11      | N46°53'20,58"<br>E21°02'39,65" | Waste storage    | <2,5                           | 3,77  | <6,0  | <0,9 |

|              |                                |                                  |      |       |      |      |
|--------------|--------------------------------|----------------------------------|------|-------|------|------|
| <b>PP 12</b> | N46°53'45,41"<br>E21°01'53,51" | In The vicinity double<br>Crisul | <2,5 | 13,16 | <6,0 | <0,9 |
| <b>PP 13</b> | N46°48'27,20"<br>E21°04'47,62" | Pig Farm Mezobereny              | <2,5 | 5,11  | <6,0 | <0,9 |
| <b>PP 49</b> | N46°52'04,63"<br>E21°01'23,68" | Route 47 near<br>Korostarcsa     | 3,20 | 14,00 | <6,0 | <0,9 |
| <b>PS 50</b> | N46°53'02,34"<br>E21°02'01,25" | Kettos-Koros near<br>Korostarcsa | <2,5 | 13,67 | <6,0 | <0,9 |



### **Hungarian project area – soil samples**

#### **3.1.a. Bekescsaba**

| <b>Samp<br/>le nr.</b> | <b>Geographical<br/>coordinates</b> | <b>Type of sample</b> | <b>Laboratory results, mg/kg d.m.</b> |                                    |           |           |           |           |
|------------------------|-------------------------------------|-----------------------|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                        |                                     |                       | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PS 1</b>            | N46°44'20,50"<br>E21°01'31,89"      | Near Bekes            | 15                                    | 3,0                                | 25,6      | 69,5      | 113,2     | <0,9      |
| <b>PS 18</b>           | N46°40'16,35"<br>E21°10'57,78"      | Route 44              | 35                                    | 0,8                                | 40,5      | 55,9      | 136,1     | <0,9      |
| <b>PS 19</b>           | N46°40'27,99"<br>E21°09'07,79"      | Route 44              | 24                                    | 0,9                                | 16,1      | 42,9      | 121,6     | <0,9      |
| <b>PS 20</b>           | N46°40'29,64"<br>E21°08'59,90"      | Route 44.             | 10                                    | 1,2                                | 22,3      | 57,4      | 206,3     | <0,9      |

### 3.2.a. Bekes

| Sample nr. | Geographical coordinates       | Type of sample                     | Laboratory results, mg/kg d.m. |                               |      |      |       |      |
|------------|--------------------------------|------------------------------------|--------------------------------|-------------------------------|------|------|-------|------|
|            |                                |                                    | NO <sub>3</sub> <sup>-</sup>   | PO <sub>4</sub> <sup>3-</sup> | Cu   | Zn   | Pb    | Cd   |
| PS 16      | N46°47'11,67"<br>E21°05'22,45" | Near Bekes                         | 18                             | 2,7                           | 23,7 | 68,2 | 166,3 | <0,9 |
| PS 21      | N46°44'25,34"<br>E21°07'35,32" | Livestock farm near Bekes.         | 22                             | 3,6                           | 18,8 | 48,5 | 130,5 | <0,9 |
| PS 22      | N46°44'24,56"<br>E21°07'08,62" | Livestock farm near Bekes          | 25                             | 0,2                           | 16,9 | 57,8 | 194,6 | <0,9 |
| PS 23      | N46°45'59,84"<br>E21°06'15,90" | Waste landfill closed Bekes        | 25                             | 4,5                           | 21,9 | 71,1 | 171,1 | <0,9 |
| PS 24      | N46°47'50,72"<br>E21°10'11,53" | Farm pigs between Bekes and Tarhos | 35                             | 2,2                           | 25,5 | 72,3 | 168,4 | <0,9 |
| PS 25      | N46°48'21,90"<br>E21°09'55,90" | Farm pigs Bekes                    | 18                             | 2,6                           | 25,4 | 65,2 | 174,1 | <0,9 |
| PS 26      | N46°47'48,60"<br>E21°09'42,51" | Farm pigs Bekes                    | 32                             | 3,3                           | 26,8 | 61,3 | 126,1 | <0,9 |

### 3.3.a. Gyula

| Sample nr. | Geographical coordinates       | Type of sample                               | Laboratory results, mg/kg d.m. |                               |      |       |       |      |
|------------|--------------------------------|--|--------------------------------|-------------------------------|------|-------|-------|------|
|            |                                |  | NO <sub>3</sub> <sup>-</sup>   | PO <sub>4</sub> <sup>3-</sup> | Cu   | Zn    | Pb    | Cd   |
| PS 17      | N46°39'21,81"<br>E21°13'14,22" | Route 44                                     | 24                             | 3,1                           | 18,4 | 48,1  | 128,5 | <0,9 |
| PS 36      | N46°37'45,22"<br>E21°16'51,28" | Wastewater treatment plant Gyula             | 16                             | 2,2                           | 22,0 | 55,3  | 128,2 | <0,9 |
| PS 37      | N46°37'39,52"<br>E21°16'51,71" | Wastewater treatment plant Gyula             | 25                             | 0,2                           | 26,8 | 62,5  | 110,0 | <0,9 |
| PS 38      | N46°37'31,34"<br>E21°16'49,15" | Wastewater treatment plant Gyula             | 18                             | 2,7                           | 23,5 | 56,0  | 119,7 | <0,9 |
| PS 39      | N46°38'06,93"<br>E21°14'34,27" | Deposit waste transfer station closed Gyula. | 15                             | 2,5                           | 19,6 | 70,3  | 178,9 | <0,9 |
| PS 40      | N46°38'36,47"<br>E21°14'23,53" | Deposit waste transfer station closed Gyula. | 24                             | 2,9                           | 31,4 | 101,8 | 252,4 | <0,9 |
| PS 41      | N46°38'25,31"<br>E21°14'22,04" | Deposit waste transfer station closed Gyula. | 25                             | 2,5                           | 18,9 | 56,5  | 191,0 | <0,9 |
| PS 42      | N46°37'32,59"<br>E21°13'15,55" | Livestock farm near Gyula                    | 2,5                            | 0,2                           | 16,4 | 46,2  | 97,2  | <0,9 |

|              |                                |                              |    |     |      |      |       |      |
|--------------|--------------------------------|------------------------------|----|-----|------|------|-------|------|
| <b>PS 43</b> | N46°37'44,34"<br>E21°13'43,52" | Livestock farm near Gyula    | 45 | 3,5 | 15,3 | 47,8 | 276,1 | <0,9 |
| <b>PS 44</b> | N46°38'28,19"<br>E21°14'04,99" | Waste landfill closed Gyula. | 15 | 0,2 | 18,8 | 46,3 | 85,5  | <0,9 |

### 3.4.a. Doboz

| <b>Samp<br/>le nr.</b> | <b>Geographical<br/>coordinates</b> | <b>Type of sample</b>               | <b>Laboratory results, mg/kg d.m.</b> |                                    |           |           |           |           |
|------------------------|-------------------------------------|-------------------------------------|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                        |                                     |                                     | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PS 27</b>           | N46°43'44,22"<br>E21°16'27,58"      | Waste landfill closed Doboz-Sarkad. | 45                                    | 3,5                                | 39,1      | 134,6     | 7466,6    | <0,9      |
| <b>PS 28</b>           | N46°43'43,96"<br>E21°16'28,19"      | Waste landfill closed Doboz-Sarkad. | 53                                    | 1,6                                | 23,4      | 119,5     | 378,3     | <0,9      |

### 3.5.a. Sarkad

| Samp<br>le nr. | Geographical<br>coordinates    | Type of sample                              | Laboratory results, mg/kg d.m. |             |      |      |       |      |
|----------------|--------------------------------|---|--------------------------------|-------------|------|------|-------|------|
|                |                                |   | $NO_3^-$                       | $PO_4^{3-}$ | Cu   | Zn   | Pb    | Cd   |
| <b>PS 29</b>   | N46°43'33,22"<br>E21°23'30,83" | Industrial Park Sarkad                      | 34                             | 0,9         | 29,1 | 65,9 | 174,1 | <0,9 |
| <b>PS 30</b>   | N46°43'28,48"<br>E21°23'27,89" | Industrial Park Sarkad                      | 26                             | 0,7         | 13,5 | 84,3 | 134,1 | <0,9 |
| <b>PS 31</b>   | N46°43'15,90"<br>E21°23'26,38" | Industrial Park Sarkad                      | 5                              | 4,0         | 23,6 | 62,7 | 158,9 | <0,9 |
| <b>PS 32</b>   | N46°46'36,65"<br>E21°22'56,27" | Livestock farm near<br>Sarkad-<br>Keresztur | 35                             | 1,1         | 21,4 | 57,4 | 158,8 | <0,9 |
| <b>PS 33</b>   | N46°46'37,04"<br>E21°22'53,53" | Deposit waste near<br>Sarkad.               | 40                             | 1,9         | 18,8 | 56,7 | 144,7 | <0,9 |
| <b>PS 34</b>   | N46°46'20,81"<br>E21°22'54,02" | Deposit waste near<br>Sarkad.               | 28                             | 2,9         | 20,7 | 80,4 | 288,8 | <0,9 |
| <b>PS 35</b>   | N46°45'38,32"<br>E21°22'56,65" | Leaving the livestock<br>farm Sarkad.       | 32                             | 1,4         | 22,3 | 64,9 | 167,1 | <0,9 |

### 3.6.a. Mezobereny

| Sample nr.   | Geographical coordinates       | Type of sample                          | Laboratory results, mg/kg d.m. |                               |      |      |       |      |
|--------------|--------------------------------|---|--------------------------------|-------------------------------|------|------|-------|------|
|              |                                |   | NO <sub>3</sub> <sup>-</sup>   | PO <sub>4</sub> <sup>3-</sup> | Cu   | Zn   | Pb    | Cd   |
| <b>PS 2</b>  | N46°45'27,78"<br>E21°00'53,18" | Near route<br>Bekescsaba-<br>Mezobereny | 24                             | 3,2                           | 26,0 | 72,2 | 214,5 | <0,9 |
| <b>PS 3</b>  | N46°45'54,85"<br>E21°00'06,84" | Near route<br>Bekescsaba-<br>Mezobereny | 35                             | 1,5                           | 16,4 | 42,7 | 88,5  | <0,9 |
| <b>PS 14</b> | N46°49'31,89"<br>E21°00'04,85  | Brick factory                           | 25                             | 0,1                           | 20,2 | 51,2 | 96,7  | <0,9 |
| <b>PS 15</b> | N46°47'21,19"<br>E21°04'37,82" | Near Bekes                              | 10                             | 4,0                           | 22,2 | 49,0 | 124,2 | <0,9 |
| <b>PS 45</b> | N46°48'37,47"<br>E21°02'31,94" | Near Mezobereny                         | 42                             | 3,8                           | 27,5 | 73,1 | 92,3  | <0,9 |
| <b>PS 46</b> | N46°51'11,66"<br>E21°04'39,58" | Kettos-Koros                            | 38                             | 4,1                           | 33,2 | 58,4 | 111,5 | <0,9 |
| <b>PS 47</b> | N46°51'21,35"<br>E21°04'43,13" | Kettos-Koros                            | 35                             | 4,2                           | 16,4 | 52,5 | 65,5  | <0,9 |
| <b>PS 48</b> | N46°50'45,64"<br>E21°01'39,42" | Route 47 near<br>Mezobereny             | 16                             | 2,2                           | 11,2 | 26,3 | 48,3  | <0,9 |

### 3.7.a. Korostarcsa

| Sample nr. | Geographical coordinates       | Type of sample   | Laboratory results, mg/kg d.m. |                               |      |       |       |      |
|------------|--------------------------------|------------------|--------------------------------|-------------------------------|------|-------|-------|------|
|            |                                |                  | NO <sub>3</sub> <sup>-</sup>   | PO <sub>4</sub> <sup>3-</sup> | Cu   | Zn    | Pb    | Cd   |
| PS 4       | N46°51'25,78"<br>E21°01'39,45" | Near Korostarcsa | 22                             | 0,8                           | 17,1 | 49,6  | 97,3  | <0,9 |
| PS 5       | N46°52'49,39"<br>E21°01'11,67" | Near Korostarcsa | 15                             | 4,0                           | 20,3 | 53,7  | 147,1 | <0,9 |
| PS 6       | N46°53'42,55"<br>E21°02'41,80" | Near Korostarcsa | 15                             | 2,3                           | 21,0 | 61,4  | 132,8 | <0,9 |
| PS 7       | N46°54'14,39"<br>E21°02'53,62" | Near Korostarcsa | 18                             | 3,5                           | 13,0 | 48,5  | 119,1 | <0,9 |
| PS 8       | N46°54'20,20"<br>E21°02'36,28" | Near Korostarcsa | 24                             | 1,1                           | 24,2 | 50,9  | 126,4 | <0,9 |
| PS 09      | N46°54'12,47"<br>E21°02'49,88" | Near Korostarcsa | 35                             | 1,6                           | 21,1 | 52,6  | 95,8  | <0,9 |
| PS 10      | N46°53'19,55"<br>E21°02'42,22" | Near Korostarcsa | 50                             | 4,0                           | 39,9 | 125,0 | 151,3 | <0,9 |
| PS 11      | N46°53'20,58"<br>E21°02'39,65" | Waste storage    | 25                             | 2,4                           | 31,7 | 99,1  | 217,6 | <0,9 |

|              |                                |                                  |    |     |      |       |       |      |
|--------------|--------------------------------|----------------------------------|----|-----|------|-------|-------|------|
| <b>PS 12</b> | N46°53'45,41"<br>E21°01'53,51" | In The vicinity double<br>Crisul | 24 | 1,5 | 31,4 | 115,0 | 201,3 | <0,9 |
| <b>PS 13</b> | N46°48'27,20"<br>E21°04'47,62" | Pig Farm Mezobereny              | 15 | 4,5 | 25,0 | 76,0  | 132,5 | <0,9 |
| <b>PS 49</b> | N46°52'04,63"<br>E21°01'23,68" | Route 47 near<br>Korostarcsa     | 22 | 0,4 | 19,5 | 42,4  | 94,2  | <0,9 |
| <b>PS 50</b> | N46°53'02,34"<br>E21°02'01,25" | Kettos-Koros near<br>Korostarcsa | 45 | 3,2 | 32,3 | 38,2  | 65,8  | <0,9 |



## 1. Crisul Alb reservoir.

### 1.1.a Ineu administrative unit-soil samples

| Samp<br>le nr. | Geographical<br>coordinates  | Type of sample  | Valori determinate, mg/kg s.u. |                               |      |      |       |      |
|----------------|------------------------------|---|--------------------------------|-------------------------------|------|------|-------|------|
|                |                              |   | NO <sub>3</sub> <sup>-</sup>   | PO <sub>4</sub> <sup>3-</sup> | Cu   | Zn   | Pb    | Cd   |
| <b>SI 1</b>    | N 46,3638350<br>E 21,8266166 | activitati economice -<br>SMITHFIELD FERME<br>Mocrea                | 50                             | 2,5                           | 11,9 | 37,3 | 101,7 | <0,9 |
| <b>SI 2</b>    | N 46,3684850<br>E 21,8280549 | activitati economice -<br>SMITHFIELD FERME<br>Mocrea                | 62                             | 1,8                           | 9,2  | 43,9 | 121,1 | <0,9 |
| <b>SI 3</b>    | N 46,3738682<br>E 21,8284999 | activitati economice -<br>Statie noua de transfer<br>deseuri Mocrea | 35                             | 0,8                           | 14,9 | 37,7 | 137,1 | <0,9 |
| <b>SI 4</b>    | N 46,3770033<br>E 21,8286266 | activitati economice -<br>Statie noua de transfer<br>deseuri Mocrea | 28                             | 0,5                           | 14,3 | 33,3 | 79,8  | <0,9 |
| <b>SI 5</b>    | N 46,4145416<br>E 21,8204049 | activitati economice -<br>Parc industrial Ineu                      | 33                             | 1,5                           | 18,2 | 48,7 | 119,3 | <0,9 |
| <b>SI 6</b>    | N 46,4172399<br>E 21,8245366 | activitati economice -<br>Parc industrial Ineu                      | 14                             | 1,4                           | 13,4 | 30,7 | 178,9 | <0,9 |
| <b>SI 7</b>    | N 46,3897417<br>E 21,8588300 | arie protejată -<br>Rezervatia Dealul<br>Mocrea                     | 77                             | 3,2                           | 35,1 | 34,2 | 172,8 | <0,9 |
| <b>SI 8</b>    | N 46,3934649<br>E 21,8589850 | arie protejată -<br>Rezervatia Dealul<br>Mocrea                     | 86                             | 3,5                           | 11,0 | 23,4 | 197,8 | <0,9 |

|              |                                |   |    |     |      |      |       |      |
|--------------|--------------------------------|---|----|-----|------|------|-------|------|
| <b>SI 9</b>  | N 46,4133250<br>E 21,8741117   | arie protejată - ROSCI<br>0218 Rovina   | 75 | 4,0 | 14,4 | 73,5 | 77,5  | <0,9 |
| <b>SI 10</b> | N 46,4143255<br>E 21,8751216   | arie protejată - ROSCI<br>0218 Rovina   | 65 | 2,8 | 21,5 | 51,0 | 54,3  | <0,9 |
| <b>SI 11</b> | N 46,4299116<br>E 21,8253950   | trafic rutier – DN 79A<br>Ineu - Sicula   | 55 | 0,5 | 20,4 | 60,4 | 166,0 | <0,9 |
| <b>SI 12</b> | N 46,4215449<br>E 21,8100749   | trafic rutier – DN 79A<br>Ineu - Sicula   | 35 | 0,9 | 29,3 | 73,8 | 73,8  | <0,9 |
| <b>SI 13</b> | N 46,4315449<br>E 21,8100749   | terenul agricol - intre<br>localitățile Ineu si Sicula,<br>intre DN 79A si Crisul Alb | 85 | 1,4 | 24,4 | 57,4 | 112,3 | <0,9 |
| <b>SI 14</b> | N46°25'46,61"<br>E21°53'32,83" | activitati economice -<br>Depozit de deseuri Ineu                                     | 65 | 1,1 | 25,9 | 75,9 | 176,2 | <0,9 |
| <b>SI 15</b> | N46°25'45,57"<br>E21°53'26,86" | activitati economice -<br>Depozit de deseuri Ineu                                     | 15 | 0,5 | 31,5 | 68,9 | 156,7 | <0,9 |
| <b>SI 16</b> | N46°30'18,30"<br>E21°48'27,07" | arie protejată - ROSPA<br>0014 Câmpia Cermeiului                                      | 65 | 1,6 | 22,2 | 43,7 | 55,6  | <0,9 |

1.1.b Ineu administrative unit-samples of vegetation.

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>  | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|------------------------------|--|---------------------------------------|-----------|-----------|-----------|
|                  |                              |  | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PI 1</b>      | N 46,3638350<br>E 21,8266166 | activitati economice - SMITHFIELD<br>FERME Mocrea                | <2,5                                  | 6,84      | 9,81      | <0,9      |
| <b>PI 2</b>      | N 46,3684850<br>E 21,8280549 | activitati economice - SMITHFIELD<br>FERME Mocrea                | <2,5                                  | 10,47     | <6,0      | <0,9      |
| <b>PI 3</b>      | N 46,3738682<br>E 21,8284999 | activitati economice - Statie noua de<br>transfer deseuri Mocrea | 5,53                                  | 34,8      | <6,0      | <0,9      |
| <b>PI 4</b>      | N 46,3770033<br>E 21,8286266 | activitati economice - Statie noua de<br>transfer deseuri Mocrea | 5,51                                  | 13,91     | <6,0      | <0,9      |
| <b>PI 5</b>      | N 46,4145416<br>E 21,8204049 | activitati economice - Parc industrial Ineu                      | <2,5                                  | 7,49      | <6,0      | <0,9      |
| <b>PI 6</b>      | N 46,4172399<br>E 21,8245366 | activitati economice - Parc industrial Ineu                      | <2,5                                  | 14,02     | <6,0      | <0,9      |
| <b>PI 7</b>      | N 46,3897417<br>E 21,8588300 | arie protejată - Rezervatia Dealul<br>Mocrea                     | 5,30                                  | 26,34     | <6,0      | <0,9      |
| <b>PI 8</b>      | N 46,3934649<br>E 21,8589850 | arie protejată - Rezervatia Dealul<br>Mocrea                     | <2,5                                  | 5,28      | <6,0      | <0,9      |
| <b>PI 10</b>     | N 46,4133250<br>E 21,8741117 | arie protejată - ROSCI 0218 Rovina                               | <2,5                                  | 6,98      | <6,0      | <0,9      |

|              |                                |   |      |       |      |      |
|--------------|--------------------------------|---|------|-------|------|------|
| <b>PI 11</b> | N 46,4143255<br>E 21,8751216   | arie protejată - ROSCI 0218 Rovina  | <2,5 | 5,10  | <6,0 | <0,9 |
| <b>PI 13</b> | N 46,4299116<br>E 21,8253950   | trafic rutier – DN 79A Ineu - Sicula  | 2,79 | 20,28 | <6,0 | <0,9 |
| <b>PI 14</b> | N 46,4215449<br>E 21,8100749   | trafic rutier – DN 79A Ineu - Sicula  | <2,5 | 12,16 | <6,0 | <0,9 |
| <b>PI 15</b> | N 46,4315449<br>E 21,8100749   | teren agricol - intre localitățile Ineu si Sicula, intre DN 79A si Crisul Alb | <2,5 | 10,34 | 7,43 | <0,9 |
| <b>PI 17</b> | N46°25'46,61"<br>E21°53'32,83" | activitati economice - Depozit de deseuri Ineu                                | 2,7  | 26,5  | <6,0 | <0,9 |
| <b>PI 18</b> | N46°25'45,57"<br>E21°53'26,86" | activitati economice - Depozit de deseuri Ineu                                | <2,5 | 34,5  | <6,0 | <0,9 |
| <b>PI 20</b> | N46°30'18,30"<br>E21°48'27,07" | arie protejată - ROSPA 0014 Câmpia Cermeiului                                 | <2,5 | 4,37  | <6,0 | <0,9 |

**1.2.a Administrative unit-Sicula soil samples.**

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>   | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|------------------|------------------------------|---|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                  |                              |   | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SS 1</b>      | N 45,4294585<br>E 21,7565882 | teren agricol - intre localitățile Seleus si Sicula, pe DJ 709 la sud de Crisul Alb | 110                                   | 4,5                                | 17,2      | 54,6      | 92,6      | <0,9      |
| <b>SS 2</b>      | N 46,3991849<br>E 21,7218249 | teren agricol - intre localitățile Seleus si Sicula, pe DJ 709 la sud de Crisul Alb | 85                                    | 2,8                                | 14,0      | 38,4      | 96,6      | <0,9      |

**1.2.b Administrative unit-Sicula evidence of vegetation.**

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>   | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|------------------------------|---|---------------------------------------|-----------|-----------|-----------|
|                  |                              |   | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PS 1</b>      | N 45,4294585<br>E 21,7565882 | teren agricol - intre localitățile Seleus si Sicula, pe DJ 709 la sud de Crisul Alb | 6,22                                  | 17,47     | <6,0      | <0,9      |
| <b>PS 2</b>      | N 46,3991849<br>E 21,7218249 | teren agricol - intre localitățile Seleus si Sicula, pe DJ 709 la sud de Crisul Alb | <2,5                                  | 15,74     | <6,0      | <0,9      |

### 1.3.a Zarand administrative unit-soil samples.

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>                                       | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|------------------|------------------------------|---|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                  |                              |   | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SZ 1</b>      | N 46,3841366<br>E 21,6655049 | teren agricol – intre localitatile Seleus si Zarand, pe DJ 792  | 72                                    | 3,5                                | 17,7      | 40,2      | 62,9      | <0,9      |
| <b>SZ 2</b>      | N 46,4207382<br>E 21,6143066 | teren agricol – intre localitatile Zarand si Cinteii, pe DJ 792 | 45                                    | 1,4                                | 22,3      | 53,6      | 126,2     | <0,9      |
| <b>SZ 3</b>      | N 46,4620566<br>E 21,5332533 | teren agricol – intre localitatile Cinteii si Nadab, pe DJ 792  | 54                                    | 2,2                                | 17,5      | 41,5      | 110,2     | <0,9      |

### 1.3.b Zarand administrative unit-samples of vegetation.

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>                                       | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|------------------------------|---|---------------------------------------|-----------|-----------|-----------|
|                  |                              |   | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PZ 1</b>      | N 46,3841366<br>E 21,6655049 | teren agricol – intre localitatile Seleus si Zarand, pe DJ 792  | <2,5                                  | 6,77      | <6,0      | <0,9      |
| <b>PZ 2</b>      | N 46,4207382<br>E 21,6143066 | teren agricol – intre localitatile Zarand si Cinteii, pe DJ 792 | <2,5                                  | 12,7      | <6,0      | <0,9      |
| <b>PZ 3</b>      | N 46,4620566<br>E 21,5332533 | teren agricol – intre localitatile Cinteii si Nadab, pe DJ 792  | <2,5                                  | 12,5      | <6,0      | <0,9      |

#### 1.4.a Cris Chisineu administrative unit-soil samples.

| <b>Nr. proba</b> | <b>Coordonate geografice</b>   | <b>Categoria de probe</b>  | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|------------------|--------------------------------|--|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                  |                                |  | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SC 1</b>      | N 46,4993466<br>E 21,5054849   | trafic rutier - intre localitățile Nadab si Chisineu Cris, pe DN 79    | 75                                    | 0,9                                | 18,6      | 61,9      | 179,9     | <0,9      |
| <b>SC 2</b>      | N 46,5407966<br>E 21,5292166   | trafic rutier - intre localitățile Nadab si Chisineu Cris, pe DN 79    | 35                                    | 1,8                                | 20,9      | 51,4      | 115,6     | <0,9      |
| <b>SC 3</b>      | N46°31'55,15"<br>E21°31'28,85" | activitati economice - Parc industrial Chisineu Cris                   | 66                                    | 0,5                                | 11,5      | 73,5      | 88,4      | 1,2       |
| <b>SC 4</b>      | N46°32'43,79"<br>E21°31'54,39" | activitati economice - Depozit de deseuri Chisineu Cris                | 45                                    | 0,6                                | 17,8      | 56,4      | 55,5      | 1,4       |
| <b>SC 5</b>      | N46°32'42,29"<br>E21°32'06,69" | activitati economice - Depozit de deseuri Chisineu Cris                | 75                                    | 1,1                                | 33,5      | 43,5      | 78,2      | <0,9      |
| <b>SC 6</b>      | N46°29'11,13"<br>E21°30'15,07" | activitati economice - Parc industrial Nadab                           | 43                                    | 2,6                                | 28,0      | 66,1      | 63,2      | <0,9      |
| <b>SC 7</b>      | N46°28'49,56"<br>E21°30'19,19" | activitati economice - Parc industrial Nadab                           | 32                                    | 1,3                                | 16,7      | 33,4      | 87,5      | <0,9      |
| <b>SC 8</b>      | N46°30'34,82"<br>E21°28'34,13" | teren agricol – intre localitatile Chisineu Cris si Socodor, pe DN 79A | 56                                    | 1,0                                | 10,2      | 28,3      | 77,3      | <0,9      |

|              |                                |   |    |     |      |      |      |     |
|--------------|--------------------------------|---|----|-----|------|------|------|-----|
| <b>SC 9</b>  | N46°31'09,63"<br>E21°32'37,01" | arie protejată - ROSPA 0015<br>Câmpia Crisului Alb si<br>Crisului Negru | 65 | 0,7 | 22,3 | 44,3 | 54,0 | 1,4 |
| <b>SC 10</b> | N46°33'09,21"<br>E21°33'31,74" | arie protejată - ROSPA 0015<br>Câmpia Crisului Alb si<br>Crisului Negru | 45 | 0,9 | 28,5 | 54,6 | 60,5 | 1,8 |

#### 1.4.b Cris Chisineu administrative unit –samples of vegetation.

| <b>Nr. proba</b> | <b>Coordonate geografice</b>   | <b>Categoria de probe</b>  | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|--------------------------------|--|---------------------------------------|-----------|-----------|-----------|
|                  |                                |  | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PC 1</b>      | N 46,4993466<br>E 21,5054849   | trafic rutier - intre localitățile Nadab si Chisineu Cris, pe DN 79    | <2,5                                  | 8,8       | 8,5       | <0,9      |
| <b>PC 2</b>      | N 46,5407966<br>E 21,5292166   | trafic rutier - intre localitățile Nadab si Chisineu Cris, pe DN 79    | 3,2                                   | 11,4      | <6,0      | <0,9      |
| <b>PC 3</b>      | N46°31'55,15"<br>E21°31'28,85" | activitati economice - Parc industrial Chisineu Cris                   | <2,5                                  | 7,5       | <6,0      | <0,9      |
| <b>PC 4</b>      | N46°32'43,79"<br>E21°31'54,39" | activitati economice - Depozit de deseuri Chisineu Cris                | <2,5                                  | 3,4       | <6,0      | <0,9      |
| <b>PC 5</b>      | N46°32'42,29"<br>E21°32'06,69" | activitati economice - Depozit de deseuri Chisineu Cris                | <2,5                                  | 11,2      | <6,0      | <0,9      |
| <b>PC 6</b>      | N46°29'11,13"<br>E21°30'15,07" | activitati economice - Parc industrial Nadab                           | 3,5                                   | 6,5       | <6,0      | <0,9      |
| <b>PC 7</b>      | N46°28'49,56"<br>E21°30'19,19" | activitati economice - Parc industrial Nadab                           | 6,1                                   | 4,4       | <6,0      | <0,9      |
| <b>PC 8</b>      | N46°30'34,82"<br>E21°28'34,13" | teren agricol – intre localitatile Chisineu Cris si Socodor, pe DN 79A | <2,5                                  | 9,0       | <6,0      | <0,9      |



|              |                                |  |      |      |      |      |
|--------------|--------------------------------|--|------|------|------|------|
| <b>PC 9</b>  | N46°31'09,63"<br>E21°32'37,01" | arie protejată - ROSPA 0015 Câmpia<br>Crisului Alb si Crisului Negru | <2,5 | 12,3 | <6,0 | <0,9 |
| <b>PC 10</b> | N46°33'09,21"<br>E21°33'31,74" | arie protejată - ROSPA 0015 Câmpia<br>Crisului Alb si Crisului Negru | <2,5 | 5,4  | <6,0 | <0,9 |

### 1.5.a Pilu administrative unit-soil samples.

| <b>Nr.<br/>proba</b> | <b>Coordonate<br/>geografice</b> | <b>Categoria de probe</b>                                       | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|----------------------|----------------------------------|---|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                      |                                  |   | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SP 1</b>          | N46°32'34,27"<br>E21°21'26,31"   | trafic rutier - intre localitățile<br>Socodor si Pilu pe DN 79A | 44                                    | 0,5                                | 18,2      | 57,7      | 63,3      | <0,9      |
| <b>SP 2</b>          | N46°35'51,11"<br>E21°20'55,74"   | trafic rutier - intre localitățile<br>Pilu si Varsand pe DN 79A | 33                                    | 2,4                                | 16,0      | 41,1      | 72,4      | <0,9      |
| <b>SP 3</b>          | N46°37'08,92"<br>E21°20'49,55"   | arie protejată - ROSCI 0048<br>Crisul Alb                       | 67                                    | 1,9                                | 9,4       | 65,3      | 45,9      | <0,9      |
| <b>SP 4</b>          | N46°33'07,33"<br>E21°20'02,48"   | arie protejată - ROSCI 0048<br>Crisul Alb                       | 75                                    | 0,8                                | 6,3       | 56,3      | 66,2      | <0,9      |
| <b>SP 5</b>          | N46°31'02,76"<br>E21°21'55,89"   | teren agricol – intre localitatile<br>Socodor si Pilu           | 52                                    | 2,5                                | 11,5      | 55,9      | 72,1      | <0,9      |
| <b>SP 6</b>          | N46°35'24,35"<br>E21°20'14,53"   | teren agricol – intre localitatile<br>Pilu si Varsand           | 42                                    | 1,4                                | 16,0      | 45,3      | 34,1      | <0,9      |

### 1.5.b Pilu administrative unit-samples of vegetation.

| <b>Nr. proba</b> | <b>Coordonate geografice</b>   | <b>Categoria de probe</b>                                    | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|--------------------------------|--|---------------------------------------|-----------|-----------|-----------|
|                  |                                |  | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PP 1</b>      | N46°32'34,27"<br>E21°21'26,31" | trafic rutier - intre localitățile Socodor si Pilu pe DN 79A | 6,22                                  | 17,47     | <6,0      | <0,9      |
| <b>PP 2</b>      | N46°35'51,11"<br>E21°20'55,74" | trafic rutier - intre localitățile Pilu si Varsand pe DN 79A | <2,5                                  | 15,7      | <6,0      | <0,9      |
| <b>PP 3</b>      | N46°37'08,92"<br>E21°20'49,55" | arie protejată - ROSCI 0048 Crisul Alb                       | 3,4                                   | 16,4      | <6,0      | <0,9      |
| <b>PP 4</b>      | N46°33'07,33"<br>E21°20'02,48" | arie protejată - ROSCI 0048 Crisul Alb                       | 5,8                                   | 19,7      | <6,0      | <0,9      |
| <b>PP 5</b>      | N46°31'02,76"<br>E21°21'55,89" | teren agricol – intre localitatile Socodor si Pilu           | 3,0                                   | 12,5      | <6,0      | <0,9      |
| <b>PP 6</b>      | N46°35'24,35"<br>E21°20'14,53" | teren agricol – intre localitatile Pilu si Varsand           | 6,2                                   | 13,2      | <6,0      | <0,9      |

## 2. Crisul Negru reservoir.

### 2.1.a Batar administrative unit-soil samples.

| <b>Nr. proba</b> | <b>Coordonate geografice</b>  | <b>Categoria de probe</b>   | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|------------------|-------------------------------|---|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                  |                               |   | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SB 1</b>      | N 46,7234216<br>E 21,8321766  | arie protejată - ROSCI 0049<br>Crisul Negru                       | 45                                    | 2,1                                | 12,6      | 42,6      | 139,9     | <0,9      |
| <b>SB 2</b>      | N 46,6918283<br>E 21,7892766  | teren agricol – între localitățile<br>Taut și Batar, pe DJ 709A   | 96                                    | 0,7                                | 10,2      | 51,1      | 202,5     | <0,9      |
| <b>SB 3</b>      | N 46,7 167683<br>E 21,8205466 | teren agricol – între localitățile<br>Batar și Talpos, pe DJ 709A | 83                                    | 1,2                                | 8,6       | 31,7      | 131,8     | <0,9      |

### 2.1.b Batar administrative unit-samples of vegetation.

| <b>Nr. proba</b> | <b>Coordonate geografice</b>  | <b>Categoria de probe</b>   | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|-------------------------------|---|---------------------------------------|-----------|-----------|-----------|
|                  |                               |   | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PB 1</b>      | N 46,7234216<br>E 21,8321766  | arie protejată - ROSCI 0049<br>Crisul Negru                       | 2,55                                  | 8,16      | <6,0      | <0,9      |
| <b>PB 2</b>      | N 46,6918283<br>E 21,7892766  | teren agricol – între localitățile<br>Taut și Batar, pe DJ 709A   | 3,17                                  | 15,1      | <6,0      | <0,9      |
| <b>PB 3</b>      | N 46,7 167683<br>E 21,8205466 | teren agricol – între localitățile<br>Batar și Talpos, pe DJ 709A | <2,5                                  | 6,66      | <6,0      | <0,9      |

### 2.2.a Avram Iancu administrative unit-soil samples.

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>                             | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|------------------|------------------------------|---|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                  |                              |   | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SA 1</b>      | N 46,6714799<br>E 21,5026382 | teren agricol - intre localitățile Avram Iancu si Ant | 86                                    | 3,2                                | 22,9      | 56,8      | 115,7     | 2,2       |
| <b>SA 2</b>      | N 46,6295983<br>E 21,5203550 | arie protejată - ROSCI 0049 Crisul Negru              | 55                                    | 2,1                                | 19,7      | 63,2      | 102,3     | 1,3       |

### 2.2.b Avram Iancu administrative unit - samples of vegetation.

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>                             | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|------------------------------|---|---------------------------------------|-----------|-----------|-----------|
|                  |                              |   | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PA 1</b>      | N 46,6714799<br>E 21,5026382 | teren agricol - intre localitățile Avram Iancu si Ant | <2,5                                  | 2,64      | <6,0      | <0,9      |
| <b>PA 2</b>      | N 46,6295983<br>E 21,5203550 | arie protejată - ROSCI 0049 Crisul Negru              | 3,70                                  | 4,50      | <6,0      | <0,9      |

### 2.3.a Misca administrative unit- soil samples.

| <b>Nr. proba</b> | <b>Coordonate geografice</b>   | <b>Categoria de probe</b>   | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|------------------|--------------------------------|---|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                  |                                |   | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SM 1</b>      | N 46,6093832<br>E 21,6132683   | teren agricol – intre localitatile Vanatori si Misca, pe DJ 794   | 75                                    | 1,7                                | 21,7      | 53,3      | 112,3     | 4,55      |
| <b>SM 2</b>      | N 46,6118482<br>E 21,6317899   | arie protejată - ROSPA 0015 Câmpia Crisului Alb si Crisului Negru | 85                                    | 2,3                                | 23,9      | 62,6      | 122,1     | 6,21      |
| <b>SM 3</b>      | N 46,6175300<br>E 21,6745585   | activitati economice - SMITHFIELD FERME Misca                     | 34                                    | 0,7                                | 14,8      | 38,3      | 87,7      | 2,15      |
| <b>SM 4</b>      | N46°37'03,26"<br>E21°38'33,08" | activitati economice - SMITHFIELD FERME Satu Nou                  | 28                                    | 1,3                                | 15,3      | 54,3      | 109,2     | 3,87      |
| <b>SM 5</b>      | N46°37'00,15"<br>E21°42'18,27" | activitati economice - COMESO COLOR Satu Nou                      | 45                                    | 4,4                                | 21,3      | 62,3      | 112,3     | 2,63      |

### 2.3.b Misca administrative unit- samples of vegetation.

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>   | <b>Valori determinate, mg/kg s.u.</b> |           |           |           |
|------------------|------------------------------|---|---------------------------------------|-----------|-----------|-----------|
|                  |                              |   | <b>Cu</b>                             | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>PM 1</b>      | N 46,6093832<br>E 21,6132683 | teren agricol – intre localitatile Vanatori si Misca, pe DJ 794   | <2,5                                  | 5,1       | <6,0      | <0,9      |
| <b>PM 2</b>      | N 46,6118482<br>E 21,6317899 | arie protejată - ROSPA 0015 Câmpia Crisului Alb si Crisului Negru | <2,5                                  | 3,27      | <6,0      | <0,9      |

|             |                                |   |      |      |      |      |
|-------------|--------------------------------|---|------|------|------|------|
| <b>PM 3</b> | N 46,6175300<br>E 21,6745585   | activitati economice - SMITHFIELD<br>FERME Misca    | <2,5 | 3,63 | <6,0 | <0,9 |
| <b>PM 4</b> | N46°37'03,26"<br>E21°38'33,08" | activitati economice - SMITHFIELD<br>FERME Satu Nou | <2,5 | 4,57 | <6,0 | <0,9 |
| <b>PM 5</b> | N46°37'00,15"<br>E21°42'18,27" | activitati economice - COMESO COLOR<br>Satu Nou     | 2,69 | 3,30 | <6,0 | <0,9 |

#### 2.4.a Zerind administrative unit- soil samples.

| <b>Nr. proba</b> | <b>Coordonate geografice</b> | <b>Categoria de probe</b>  | <b>Valori determinate, mg/kg s.u.</b> |                                    |           |           |           |           |
|------------------|------------------------------|--|---------------------------------------|------------------------------------|-----------|-----------|-----------|-----------|
|                  |                              |  | <b>NO<sub>3</sub><sup>-</sup></b>     | <b>PO<sub>4</sub><sup>3-</sup></b> | <b>Cu</b> | <b>Zn</b> | <b>Pb</b> | <b>Cd</b> |
| <b>SZE 1</b>     | N 46,6396565<br>E 21,5215733 | trafic rutier - intre localitățile Zerind si Avram Iancu, pe DN 79 | 44                                    | 2,2                                | 22,7      | 54,5      | 113,7     | 1,73      |
| <b>SZE 2</b>     | N 46,6390200<br>E 21,5026150 | teren agricol - intre localitățile Zerind si Iermata Neagra        | 35                                    | 1,7                                | 16,4      | 48,8      | 215,9     | <0,9      |
| <b>SZE 3</b>     | N 46,5798399<br>E 21,5277666 | trafic rutier - intre localitățile Zerind si Avram Iancu, pe DN 79 | 38                                    | 0,9                                | 24,3      | 59,7      | 148,9     | 2,45      |
| <b>SZE 4</b>     | N 46,5906299<br>E 21,5687716 | arie protejată - ROSPA 0015 Câmpia Crisului Alb si Crisului Negru  | 75                                    | 0,6                                | 12,3      | 62,1      | 102,2     | 0,96      |

#### 2.4.b Zerind administrative unit-samples of vegetation.

| <i>Nr. proba</i> | <i>Coordonate geografice</i> | <i>Categoria de probe</i>  | <i>Valori determinate, mg/kg s.u.</i> |           |           |           |
|------------------|------------------------------|--|---------------------------------------|-----------|-----------|-----------|
|                  |                              |  | <i>Cu</i>                             | <i>Zn</i> | <i>Pb</i> | <i>Cd</i> |
| <b>PZE 1</b>     | N 46,6396565<br>E 21,5215733 | trafic rutier - intre localitățile Zerind si Avram Iancu, pe DN 79 | <2,5                                  | 7,7       | <6,0      | <0,9      |
| <b>PZE 2</b>     | N 46,6390200<br>E 21,5026150 | teren agricol - intre localitățile Zerind si Iermata Neagra        | <2,5                                  | 10,1      | <6,0      | <0,9      |
| <b>PZE 3</b>     | N 46,5798399<br>E 21,5277666 | trafic rutier - intre localitățile Zerind si Avram Iancu, pe DN 79 | <2,5                                  | 17,7      | <6,0      | <0,9      |
| <b>PZE 4</b>     | N 46,5906299<br>E 21,5687716 | arie protejată - ROSPA 0015 Câmpia Crisului Alb si Crisului Negru  | <2,5                                  | 10,2      | <6,0      | <0,9      |