|  |
| --- |
| **Ca** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Ca | cmol+/kg | 195 | 47.5 | 33.598011 | 10.0750357 | 54 | 1.3603 | CORRECTO |
| 2 | 874 | Ca | cmol+/kg | 195 | 50.49 | 36.089045 | 12.0113051 | 54 | 1.1820 | CORRECTO |
| 3 | 866 | Ca | cmol+/kg | 195 | 7.48 | 7.644423 | 0.9294938 | 55 | -0.1744 | CORRECTO |
| 4 | 855 | Ca | cmol+/kg | 195 | 3.06 | 3.253673 | 0.4360359 | 55 | -0.4380 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **K** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | K | cmol+/kg | 193 | 0.45 | 0.4624496 | 0.06012064 | 57 | -0.2043 | CORRECTO |
| 2 | 874 | K | cmol+/kg | 193 | 0.22 | 0.2362925 | 0.04224267 | 57 | -0.3805 | CORRECTO |
| 3 | 866 | K | cmol+/kg | 193 | 0.23 | 0.2215286 | 0.02823183 | 57 | 0.2960 | CORRECTO |
| 4 | 855 | K | cmol+/kg | 193 | 0.41 | 0.4179414 | 0.04429402 | 57 | -0.1769 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Mg** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Mg | cmol+/kg | 194 | 1.07 | 0.9737531 | 0.20319174 | 56 | 0.4672 | CORRECTO |
| 2 | 874 | Mg | cmol+/kg | 194 | 2.41 | 2.0754972 | 0.28653464 | 56 | 1.1515 | CORRECTO |
| 3 | 866 | Mg | cmol+/kg | 194 | 0.68 | 0.6487842 | 0.07008121 | 56 | 0.4393 | CORRECTO |
| 4 | 855 | Mg | cmol+/kg | 194 | 0.53 | 0.5252468 | 0.06610628 | 56 | 0.0709 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Na** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Na | cmol+/kg | 192 | 0.12 | 0.11603488 | 0.04548616 | 47 | 0.0858 | CORRECTO |
| 2 | 874 | Na | cmol+/kg | 192 | 1.03 | 1.02316755 | 0.17078711 | 48 | 0.0394 | CORRECTO |
| 3 | 866 | Na | cmol+/kg | 192 | 0.09 | 0.10928100 | 0.02782585 | 47 | -0.6817 | CORRECTO |
| 4 | 855 | Na | cmol+/kg | 192 | 0.04 | 0.06044513 | 0.02906547 | 45 | -0.6915 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **B** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | B | mg/kg | 304 | 24.27 | 0 | 0 | 7 |  | 1 |
| 2 | 874 | B | mg/kg | 304 | 6.48 | 0 | 0 | 6 |  | 2 |
| 3 | 866 | B | mg/kg | 304 | 8.23 | 0 | 0 | 6 |  | 3 |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Ca** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Ca | g/kg | 310 | 26.71 | 32.2772860 | 1.50689880 | 17 | -3.5356 | ERRONEO |
| 2 | 874 | Ca | g/kg | 310 | 50.59 | 65.5220504 | 4.36591245 | 17 | -3.2730 | ERRONEO |
| 3 | 866 | Ca | g/kg | 310 | 1.98 | 2.2210431 | 0.28575713 | 17 | -0.8072 | CORRECTO |
| 4 | 855 | Ca | g/kg | 310 | 0.88 | 0.9805769 | 0.08556777 | 17 | -1.1248 | CORRECTO |

Hay 2 datos CUESTIONABLES/ERRONEOS en las muestras

|  |
| --- |
| **Cd** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Cd | mg/kg | 311 | <1 | 0.4272141 | 0.03945923 | 20 |  | 1 |
| 2 | 874 | Cd | mg/kg | 311 | <1 | 0.1495909 | 0.02639992 | 18 |  | 2 |
| 3 | 866 | Cd | mg/kg | 311 | <1 | 0.6181597 | 0.06950784 | 20 |  | 3 |
| 4 | 855 | Cd | mg/kg | 311 | <1 | 0.1928112 | 0.02708699 | 19 |  | 4 |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Co** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Co | mg/kg | 313 | 7.14 | 7.619498 | 0.83282296 | 19 | -0.5534 | CORRECTO |
| 2 | 874 | Co | mg/kg | 313 | 3.54 | 3.762955 | 0.40297899 | 19 | -0.5318 | CORRECTO |
| 3 | 866 | Co | mg/kg | 313 | 7.82 | 7.604000 | 0.37418008 | 19 | 0.5549 | CORRECTO |
| 4 | 855 | Co | mg/kg | 313 | 0.76 | 0.637641 | 0.08290565 | 15 | 1.4045 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Cr** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Cr | mg/kg | 314 | 36.99 | 36.15350 | 5.214534 | 24 | 0.1554 | CORRECTO |
| 2 | 874 | Cr | mg/kg | 314 | 27.32 | 29.87287 | 4.525051 | 24 | -0.5467 | CORRECTO |
| 3 | 866 | Cr | mg/kg | 314 | 28.12 | 27.47300 | 2.910472 | 24 | 0.2154 | CORRECTO |
| 4 | 855 | Cr | mg/kg | 314 | 12.15 | 11.33396 | 1.321557 | 23 | 0.5975 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Cu** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Cu | mg/kg | 315 | 15.13 | 17.679204 | 1.7377323 | 23 | -1.4195 | CORRECTO |
| 2 | 874 | Cu | mg/kg | 315 | 3.59 | 6.249251 | 0.8033391 | 23 | -3.2032 | ERRONEO |
| 3 | 866 | Cu | mg/kg | 315 | 13.69 | 11.461832 | 1.1228778 | 23 | 1.9202 | CORRECTO |
| 4 | 855 | Cu | mg/kg | 315 | 17.92 | 16.089861 | 1.6782284 | 23 | 1.0553 | CORRECTO |

Hay 1 datos CUESTIONABLES/ERRONEOS en las muestras

|  |
| --- |
| **Fe** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Fe | g/kg | 317 | 18.751 | 23.396520 | 1.49490006 | 17 | -2.9739 | CUESTIONABLE |
| 2 | 874 | Fe | g/kg | 317 | 6.015 | 7.639594 | 0.66208666 | 17 | -2.3482 | CUESTIONABLE |
| 3 | 866 | Fe | g/kg | 317 | 14.482 | 16.573506 | 1.03186395 | 17 | -1.9397 | CORRECTO |
| 4 | 855 | Fe | g/kg | 317 | 2.128 | 2.278513 | 0.09377317 | 17 | -1.5360 | CORRECTO |

Hay 2 datos CUESTIONABLES/ERRONEOS en las muestras

|  |
| --- |
| **Hg** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Hg | µg/kg | 319 | 121 | 130.696 | 12.33375 | 12 | -0.7395 | CORRECTO |
| 2 | 874 | Hg | µg/kg | 319 | <.1 | 0.000 | 0.00000 | 3 |  | 2 |
| 3 | 866 | Hg | µg/kg | 319 | 36 | 0.000 | 0.00000 | 7 |  | 3 |
| 4 | 855 | Hg | µg/kg | 319 | 30 | 0.000 | 0.00000 | 7 |  | 4 |

Todas las muestras son CORRECTAS

|  |
| --- |
| **K** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | K | mg/kg | 321 | 4038.73 | 3,996.327 | 797.40127 | 16 | 0.0508 | CORRECTO |
| 2 | 874 | K | mg/kg | 321 | 1220.24 | 1,355.539 | 74.24448 | 16 | -1.7394 | CORRECTO |
| 3 | 866 | K | mg/kg | 321 | 2029.08 | 1,944.162 | 362.03404 | 16 | 0.2239 | CORRECTO |
| 4 | 855 | K | mg/kg | 321 | 421.06 | 462.098 | 89.59978 | 16 | -0.4372 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Mg** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Mg | mg/kg | 324 | 7.16 | 7,216.8246 | 620.1277 | 17 | -11.1260 | ERRONEO |
| 2 | 874 | Mg | mg/kg | 324 | 5507.94 | 6,875.1748 | 799.7896 | 17 | -1.6360 | CORRECTO |
| 3 | 866 | Mg | mg/kg | 324 | 2142.36 | 2,334.7484 | 266.0952 | 17 | -0.6919 | CORRECTO |
| 4 | 855 | Mg | mg/kg | 324 | 262.14 | 272.6708 | 26.5858 | 16 | -0.3781 | CORRECTO |

Hay 1 datos CUESTIONABLES/ERRONEOS en las muestras

|  |
| --- |
| **Mn** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Mn | mg/kg | 325 | 598.27 | 708.7805 | 57.982062 | 18 | -1.8282 | CORRECTO |
| 2 | 874 | Mn | mg/kg | 325 | 128.74 | 148.7564 | 16.013295 | 19 | -1.2016 | CORRECTO |
| 3 | 866 | Mn | mg/kg | 325 | 480.33 | 541.7897 | 27.060056 | 18 | -2.1786 | CUESTIONABLE |
| 4 | 855 | Mn | mg/kg | 325 | 67.54 | 63.3918 | 6.488906 | 19 | 0.6145 | CORRECTO |

Hay 1 datos CUESTIONABLES/ERRONEOS en las muestras

|  |
| --- |
| **Na** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Na | mg/kg | 328 | 146.36 | 168.18781 | 21.75130 | 13 | -0.9482 | CORRECTO |
| 2 | 874 | Na | mg/kg | 328 | 286.56 | 330.73839 | 27.27545 | 13 | -1.5304 | CORRECTO |
| 3 | 866 | Na | mg/kg | 328 | 69.06 | 85.94265 | 16.74381 | 13 | -0.9527 | CORRECTO |
| 4 | 855 | Na | mg/kg | 328 | 17.37 | 24.03369 | 14.18235 | 13 | -0.4439 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Ni** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Ni | mg/kg | 331 | 20.93 | 23.17511 | 2.2404918 | 23 | -0.9697 | CORRECTO |
| 2 | 874 | Ni | mg/kg | 331 | 19.8 | 23.75007 | 2.5895855 | 23 | -1.4761 | CORRECTO |
| 3 | 866 | Ni | mg/kg | 331 | 17.83 | 18.34416 | 1.8405097 | 22 | -0.2699 | CORRECTO |
| 4 | 855 | Ni | mg/kg | 331 | 4.32 | 4.01593 | 0.3866467 | 21 | 0.7587 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **P** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | P | mg/kg | 332 | 605.15 | 763.2375 | 50.34790 | 15 | -2.9881 | CUESTIONABLE |
| 2 | 874 | P | mg/kg | 332 | 403.89 | 517.7036 | 43.72338 | 14 | -2.4689 | CUESTIONABLE |
| 3 | 866 | P | mg/kg | 332 | 300.53 | 375.5349 | 18.10080 | 15 | -3.9434 | ERRONEO |
| 4 | 855 | P | mg/kg | 332 | 600.84 | 725.7634 | 39.96505 | 15 | -2.9747 | CUESTIONABLE |

Hay 4 datos CUESTIONABLES/ERRONEOS en las muestras

|  |
| --- |
| **Pb** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Pb | mg/kg | 333 | 27.5 | 29.522928 | 3.3749259 | 24 | -0.5808 | CORRECTO |
| 2 | 874 | Pb | mg/kg | 333 | 2.04 | 2.849074 | 0.7490781 | 22 | -1.0437 | CORRECTO |
| 3 | 866 | Pb | mg/kg | 333 | 28.39 | 29.052076 | 1.9574158 | 24 | -0.3277 | CORRECTO |
| 4 | 855 | Pb | mg/kg | 333 | 15.61 | 12.727662 | 1.5820413 | 24 | 1.7654 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **S** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | S | mg/kg | 336 | 974.85 | 1,151.0954 | 90.73824 | 11 | -1.8175 | CORRECTO |
| 2 | 874 | S | mg/kg | 336 | 2222.25 | 2,805.3910 | 268.39911 | 11 | -2.0331 | CUESTIONABLE |
| 3 | 866 | S | mg/kg | 336 | 156.4 | 193.1368 | 19.35431 | 10 | -1.7652 | CORRECTO |
| 4 | 855 | S | mg/kg | 336 | 147.65 | 174.7841 | 17.54221 | 10 | -1.4385 | CORRECTO |

Hay 1 datos CUESTIONABLES/ERRONEOS en las muestras

|  |
| --- |
| **Zn** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Zn | mg/kg | 349 | 86.87 | 92.33688 | 6.472898 | 23 | -0.8173 | CORRECTO |
| 2 | 874 | Zn | mg/kg | 349 | 14.3 | 16.55262 | 1.289646 | 23 | -1.6902 | CORRECTO |
| 3 | 866 | Zn | mg/kg | 349 | 93.45 | 95.27028 | 6.224879 | 23 | -0.2830 | CORRECTO |
| 4 | 855 | Zn | mg/kg | 349 | 23.7 | 23.56088 | 1.790412 | 23 | 0.0752 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **N - NH4 (as N)** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | N - NH4 (as N) | mg/kg | 296 | 13.26 | 14.48996 | 2.314271 | 8 | -0.4861 | CORRECTO |
| 2 | 874 | N - NH4 (as N) | mg/kg | 296 | 11.03 | 11.37119 | 1.574608 | 10 | -0.2015 | CORRECTO |
| 3 | 866 | N - NH4 (as N) | mg/kg | 296 | 11.67 | 12.49896 | 1.784088 | 10 | -0.4321 | CORRECTO |
| 4 | 855 | N - NH4 (as N) | mg/kg | 296 | 9.99 | 10.38072 | 1.047655 | 10 | -0.3468 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **N - NO3 (as N)** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | N - NO3 (as N) | mg/kg | 297 | 2.48 | 2.229526 | 0.7100187 | 12 | 0.3318 | CORRECTO |
| 2 | 874 | N - NO3 (as N) | mg/kg | 297 | 38.58 | 41.933744 | 3.4510366 | 13 | -0.9182 | CORRECTO |
| 3 | 866 | N - NO3 (as N) | mg/kg | 297 | 75.01 | 77.016948 | 8.4417937 | 13 | -0.2246 | CORRECTO |
| 4 | 855 | N - NO3 (as N) | mg/kg | 297 | 3.12 | 3.516783 | 1.7710113 | 12 | -0.2107 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Moisture-content** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Moisture-content | % | 133 | 1.96 | 2.3116433 | 0.5432209 | 45 | -0.6364 | CORRECTO |
| 2 | 874 | Moisture-content | % | 133 | 1.23 | 1.2252319 | 0.2507213 | 45 | 0.0187 | CORRECTO |
| 3 | 866 | Moisture-content | % | 133 | 1.36 | 1.3695390 | 0.2045292 | 45 | -0.0458 | CORRECTO |
| 4 | 855 | Moisture-content | % | 133 | 0.74 | 0.7492709 | 0.1171964 | 45 | -0.0778 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **P - Olsen (as P)** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | P - Olsen (as P) | mg/kg | 108 | 44 | 42.638770 | 6.751531 | 34 | 0.1971 | CORRECTO |
| 2 | 874 | P - Olsen (as P) | mg/kg | 108 | 13 | 14.249255 | 3.642042 | 34 | -0.3354 | CORRECTO |
| 3 | 866 | P - Olsen (as P) | mg/kg | 108 | 6 | 7.298431 | 2.429382 | 33 | -0.5222 | CORRECTO |
| 4 | 855 | P - Olsen (as P) | mg/kg | 108 | 87 | 89.403217 | 18.572907 | 34 | -0.1265 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **N - elementary** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | N - elementary | g/kg | 244 | 1.58 | 1.4402949 | 0.09367784 | 48 | 1.4676 | CORRECTO |
| 2 | 874 | N - elementary | g/kg | 244 | 0.77 | 0.7870736 | 0.08151208 | 47 | -0.2061 | CORRECTO |
| 3 | 866 | N - elementary | g/kg | 244 | 1.13 | 1.1119412 | 0.09508096 | 48 | 0.1869 | CORRECTO |
| 4 | 855 | N - elementary | g/kg | 244 | 0.98 | 1.1174754 | 0.11678098 | 47 | -1.1581 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **EC-SC (ISO 11265)** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | EC-SC (ISO 11265) | mS/m | 106 | 18 | 17.894095 | 1.821566 | 38 | 0.0570 | CORRECTO |
| 2 | 874 | EC-SC (ISO 11265) | mS/m | 106 | 194 | 183.873504 | 46.538541 | 39 | 0.2134 | CORRECTO |
| 3 | 866 | EC-SC (ISO 11265) | mS/m | 106 | 22 | 21.947449 | 1.676915 | 37 | 0.0307 | CORRECTO |
| 4 | 855 | EC-SC (ISO 11265) | mS/m | 106 | 5.6 | 6.131712 | 1.145197 | 37 | -0.4548 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **Org.matter (L.O.I.)** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | Org.matter (L.O.I.) | % | 131 | 4.32 | 4.333829 | 0.7587463 | 40 | -0.0179 | CORRECTO |
| 2 | 874 | Org.matter (L.O.I.) | % | 131 | 2.68 | 2.683681 | 0.4464552 | 39 | -0.0081 | CORRECTO |
| 3 | 866 | Org.matter (L.O.I.) | % | 131 | 2.9 | 2.918998 | 0.3455172 | 41 | -0.0540 | CORRECTO |
| 4 | 855 | Org.matter (L.O.I.) | % | 131 | 3.1 | 3.077310 | 0.1511306 | 40 | 0.1473 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **pH - H2O** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | pH - H2O | ... | 71 | 7.95 | 7.806892 | 0.2506464 | 95 | 0.5663 | CORRECTO |
| 2 | 874 | pH - H2O | ... | 71 | 7.9 | 7.769241 | 0.1749929 | 96 | 0.7412 | CORRECTO |
| 3 | 866 | pH - H2O | ... | 71 | 5.93 | 5.990869 | 0.1776231 | 98 | -0.3400 | CORRECTO |
| 4 | 855 | pH - H2O | ... | 71 | 6 | 5.987399 | 0.1614205 | 97 | 0.0774 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **pH - KCl** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | pH - KCl | ... | 72 | 7.4 | 7.317126 | 0.23696099 | 39 | 0.3429 | CORRECTO |
| 2 | 874 | pH - KCl | ... | 72 | 8.01 | 7.695683 | 0.30425421 | 40 | 1.0135 | CORRECTO |
| 3 | 866 | pH - KCl | ... | 72 | 5.27 | 5.440095 | 0.18919627 | 40 | -0.8820 | CORRECTO |
| 4 | 855 | pH - KCl | ... | 72 | 5.14 | 5.181828 | 0.08580425 | 39 | -0.4780 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **TC=Total C (org.+inorg.)** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | TC=Total C (org.+inorg.) | g/kg | 276 | 25.3 | 25.06453 | 0.9494325 | 39 | 0.2432 | CORRECTO |
| 2 | 874 | TC=Total C (org.+inorg.) | g/kg | 276 | 25.3 | 26.11453 | 1.3031505 | 39 | -0.6129 | CORRECTO |
| 3 | 866 | TC=Total C (org.+inorg.) | g/kg | 276 | 10.2 | 10.37640 | 0.4705290 | 39 | -0.3676 | CORRECTO |
| 4 | 855 | TC=Total C (org.+inorg.) | g/kg | 276 | 15.8 | 16.60224 | 1.1202429 | 39 | -0.7022 | CORRECTO |

Todas las muestras son CORRECTAS

|  |
| --- |
| **TIC=Tot.Inorg C(as CaCO3)** |

| **Sample** | **SampleID** | **Element** | **Unit** | **ElemNr** | **Result** | **Mean** | **Sd** | **N** | **Zscore** | **Evaluación** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 857 | TIC=Tot.Inorg C(as CaCO3) | % | 105 | 6.1 | 7.742668 | 1.242127 | 33 | -1.2922 | CORRECTO |
| 2 | 874 | TIC=Tot.Inorg C(as CaCO3) | % | 105 | 16 | 15.802001 | 1.857853 | 33 | 0.1041 | CORRECTO |

Todas las muestras son CORRECTAS

## Informe generado automáticamente utilizando el software RStudio, el archivo de R Markdown WEPAL\_AUTOMATICO.Rmd y el archivo de datos obtenido de www.wepal.nl AÑO-PERIODO-ISE-XGCALAFIGA.csv del trimestre correspondiente.

## Programado por David V.

| Tabla de métodos | | | |
| --- | --- | --- | --- |
| **Element** | **ElemNr** | **Unit** | **Grupo de análisis** |
| CEC | 191 | cmol+/kg | Pot. CEC using 1M NH4-acetate at pH=7 |
| Al | 196 | cmol+/kg | Pot. CEC using 1M NH4-acetate at pH=7 |
| Ca | 195 | cmol+/kg | Pot. CEC using 1M NH4-acetate at pH=7 |
| K | 193 | cmol+/kg | Pot. CEC using 1M NH4-acetate at pH=7 |
| Mg | 194 | cmol+/kg | Pot. CEC using 1M NH4-acetate at pH=7 |
| Na | 192 | cmol+/kg | Pot. CEC using 1M NH4-acetate at pH=7 |
| CEC | 203 | cmol+/kg | Pot. CEC using 1M NH4Cl (BZE) |
| Ca | 310 | g/kg | Aqua Regia (ISO 11466) |
| Cd | 311 | mg/kg | Aqua Regia (ISO 11466) |
| Co | 313 | mg/kg | Aqua Regia (ISO 11466) |
| Cr | 314 | mg/kg | Aqua Regia (ISO 11466) |
| Cu | 315 | mg/kg | Aqua Regia (ISO 11466) |
| Fe | 317 | g/kg | Aqua Regia (ISO 11466) |
| Hg | 319 | µg/kg | Aqua Regia (ISO 11466) |
| K | 321 | mg/kg | Aqua Regia (ISO 11466) |
| Mg | 324 | mg/kg | Aqua Regia (ISO 11466) |
| Mn | 325 | mg/kg | Aqua Regia (ISO 11466) |
| Na | 328 | mg/kg | Aqua Regia (ISO 11466) |
| Ni | 331 | mg/kg | Aqua Regia (ISO 11466) |
| P | 332 | mg/kg | Aqua Regia (ISO 11466) |
| Pb | 333 | mg/kg | Aqua Regia (ISO 11466) |
| S | 336 | mg/kg | Aqua Regia (ISO 11466) |
| Zn | 349 | mg/kg | Aqua Regia (ISO 11466) |
| Cu | 287 | mg/kg | Extraction with 0.01M CaCl2 - 0.005M DTPA 1:10 (w/v) |
| Fe | 288 | mg/kg | Extraction with 0.01M CaCl2 - 0.005M DTPA 1:10 (w/v) |
| Mn | 289 | mg/kg | Extraction with 0.01M CaCl2 - 0.005M DTPA 1:10 (w/v) |
| Zn | 290 | mg/kg | Extraction with 0.01M CaCl2 - 0.005M DTPA 1:10 (w/v) |
| N - NH4 (as N) | 296 | mg/kg | Extraction with 1M KCl 1:10 (w/v) |
| N - NO3 (as N) | 297 | mg/kg | Extraction with 1M KCl 1:10 (w/v) |
| Moisture-content | 133 | % | Other determinations |
| P - Olsen (as P) | 108 | mg/kg | Phosphorus and related analysis |
| TC=Total C (org.+inorg.) | 276 | g/kg | Soil characteristics |
| Active Lime (as CaCO3) | 443 | % | Soil characteristics |
| Org.matter (L.O.I.) | 131 | % | Soil characteristics |
| EC-SC (ISO 11265) | 106 | mS/m | Soil characteristics |
| pH - H2O | 71 | ... | Soil characteristics |
| pH - KCl | 72 | ... | Soil characteristics |
| Fraction < 2 Âµm | 103 | % | Soil characteristics |
| Fraction < 16 Âµm | 132 | % | Soil characteristics |
| Fraction < 63 Âµm | 126 | % | Soil characteristics |
| Fraction > 63 Âµm | 127 | % | Soil characteristics |

### REVISADO

02 de marzo de 2023