

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Valores promedio diarios)

**PERMISIONARIO:** Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997  
**PUNTO DE MEDICIÓN:** Cruce Internacional I - Estacion Importacion Rio Bravo  
**ZONA DE MEDICIÓN:** RESTO DEL PAÍS

| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 01/07/2018           | 94.6296408        | 0.14105708                       | 0.14177417           | 0.28283125               | 4.24414125       | 270.357445                     | 2.04004674         | 39.8350687                  | 51.538153               | 0.10705885                      | 0                        | 0.002               |
| 02/07/2018           | 94.8545613        | 0.14635292                       | 0.13787583           | 0.28422875               | 4.11119042       | 270.4258                       | 2.22942992         | 39.7241857                  | 51.4755054              | 0.14529415                      | 0                        | 0                   |
| 03/07/2018           | 95.0739117        | 0.133605                         | 0.1290175            | 0.2626225                | 4.01730458       | 270.1695                       | 2.28513086         | 39.6248933                  | 51.4344319              | 0.15294121                      | 0                        | 0                   |
| 04/07/2018           | 95.08785          | 0.1289                           | 0.12774542           | 0.25664542               | 3.998425         | 270.2358                       | 1.74900936         | 39.6279827                  | 51.4400094              | 0                               | 0                        | 0                   |
| 05/07/2018           | 95.3925508        | 0.13295542                       | 0.12730292           | 0.26025833               | 3.73236375       | 270.3182                       | 1.80192525         | 39.5138514                  | 51.3744877              | 0                               | 0                        | 0                   |
| 06/07/2018           | 95.5056796        | 0.12815083                       | 0.12821333           | 0.25636417               | 3.60094333       | 270.3126                       | 1.54709347         | 39.4978117                  | 51.3683979              | 0                               | 0                        | 0                   |
| 07/07/2018           | 95.4505646        | 0.12286125                       | 0.13004583           | 0.25290708               | 3.61199875       | 270.3265                       | 1.53456076         | 39.5421632                  | 51.3955117              | 0                               | 0                        | 0                   |
| 08/07/2018           | 94.9921463        | 0.13569                          | 0.14828083           | 0.28397083               | 3.88826292       | 270.2465                       | 1.68356076         | 39.7292134                  | 51.4804108              | 0                               | 0                        | 0                   |
| 09/07/2018           | 94.9484592        | 0.13984875                       | 0.16130625           | 0.301155                 | 3.87830917       | 270.3361                       | 1.91193459         | 39.7417906                  | 51.4782098              | 0                               | 0                        | 0                   |
| 10/07/2018           | 95.0337979        | 0.11336042                       | 0.15480125           | 0.26816167               | 3.95771292       | 270.2461                       | 1.93282244         | 39.6727617                  | 51.46272                | 0                               | 0                        | 0                   |
| 11/07/2018           | 95.1423396        | 0.10748208                       | 0.1508775            | 0.25835958               | 3.90672417       | 270.2461                       | 1.78939254         | 39.6283575                  | 51.4444269              | 0                               | 0                        | 0                   |
| 12/07/2018           | 95.1213742        | 0.1022125                        | 0.15219              | 0.2544025                | 3.93263917       | 270.2415                       | 1.70584113         | 39.637364                   | 51.4525399              | 0                               | 0                        | 0                   |
| 13/07/2018           | 95.0319475        | 0.10252167                       | 0.1576275            | 0.26014917               | 4.00217875       | 270.3489                       | 1.7991402          | 39.6665891                  | 51.4658601              | 0.17588239                      | 0                        | 0                   |
| 14/07/2018           | 94.96077          | 0.11070375                       | 0.15750542           | 0.26820917               | 4.03842875       | 270.2845                       | 1.80610282         | 39.6933423                  | 51.4747472              | 0.33647067                      | 0                        | 0                   |
| 15/07/2018           | 94.5209133        | 0.12716833                       | 0.17066833           | 0.29783667               | 4.29402125       | 270.4125                       | 1.81167291         | 39.8713967                  | 51.5544403              | 0.2141177                       | 0                        | 0                   |
| 16/07/2018           | 94.507555         | 0.1313975                        | 0.17244              | 0.3038375                | 4.34762917       | 0                              | 2.08182245         | 39.8490956                  | 51.5386033              | 0.15294121                      | 0                        | 0                   |
| 17/07/2018           | 94.3835929        | 0.13764042                       | 0.17984292           | 0.31748333               | 4.42961292       | 0                              | 2.12220562         | 39.8831573                  | 51.5495124              | 0.2141177                       | 0                        | 0                   |
| 18/07/2018           | 93.3558183        | 0.20470375                       | 0.21144458           | 0.41614833               | 5.38550542       | 270.4128                       | 2.09435516         | 40.0955298                  | 51.6055336              | 0.01529412                      | 0                        | 0                   |
| 19/07/2018           | 92.6122779        | 0.22244125                       | 0.250775             | 0.47321625               | 6.02473708       | 270.2483                       | 2.02612151         | 40.2940526                  | 51.684452               | 0.19117652                      | 0                        | 0                   |
| 20/07/2018           | 92.5815158        | 0.21496125                       | 0.262585             | 0.47754625               | 6.05051833       | 270.2247                       | 1.97877572         | 40.2996397                  | 51.6873225              | 0                               | 0                        | 0                   |
| 21/07/2018           | 92.4489246        | 0.28111                          | 0.21061667           | 0.49172667               | 6.12142083       | 270.2312                       | 1.99270095         | 40.3495719                  | 51.6923893              | 0.13000003                      | 0                        | 0                   |
| 22/07/2018           | 92.3662208        | 0.28517542                       | 0.22045917           | 0.50563458               | 6.02394875       | 270.2369                       | 2.13056076         | 40.4501177                  | 51.7393964              | 0.0382353                       | 0                        | 0                   |
| 23/07/2018           | 92.4410721        | 0.27989625                       | 0.206425             | 0.48632125               | 6.01160583       | 270.2439                       | 2.4188131          | 40.4198212                  | 51.7329459              | 0                               | 0                        | 0                   |
| 24/07/2018           | 92.4098913        | 0.261565                         | 0.17826125           | 0.43982625               | 6.27685667       | 270.2258                       | 2.11663553         | 40.3650326                  | 51.7296175              | 0.19117652                      | 0                        | 0                   |
| 25/07/2018           | 93.1566317        | 0.21255792                       | 0.14703083           | 0.35958875               | 5.73423333       | 270.3269                       | 1.9300374          | 40.1520759                  | 51.6612155              | 0.11470591                      | 0                        | 0                   |
| 26/07/2018           | 94.6984454        | 0.18227458                       | 0.17499458           | 0.35726917               | 4.1078575        | 270.2874                       | 1.73647665         | 39.7522591                  | 51.4480389              | 0.04588236                      | 0                        | 0                   |
| 27/07/2018           | 95.0667804        | 0.19285667                       | 0.16937458           | 0.36223125               | 3.74623458       | 270.2367                       | 2.54274768         | 39.638384                   | 51.3801433              | 0.45882364                      | 0                        | 0                   |
| 28/07/2018           | 94.8093333        | 0.18977292                       | 0.17734833           | 0.36712125               | 3.93061208       | 270.2347                       | 1.9481402          | 39.7391246                  | 51.4340411              | 0.08411767                      | 0                        | 0                   |
| 29/07/2018           | 94.4470029        | 0.20129583                       | 0.18759292           | 0.38888875               | 4.17690542       | 270.2458                       | 2.22664488         | 39.8776901                  | 51.4972643              | 0.17588239                      | 0                        | 0                   |
| 30/07/2018           | 94.4330075        | 0.20116042                       | 0.17615              | 0.37731042               | 4.27783042       | 270.2521                       | 2.16955142         | 39.8545377                  | 51.4902978              | 0                               | 0                        | 0                   |
| 31/07/2018           | 94.5893892        | 0.18765042                       | 0.1665075            | 0.35415792               | 4.26103458       | 270.2236                       | 2.02612151         | 39.7666154                  | 51.4564045              | 0.15294121                      | 0                        | 0                   |
| Mínimo               | 92.3662208        | 0.1022125                        | 0.12730292           | 0.25290708               | 3.60094333       | 0                              | 1.53456076         | 39.4978117                  | 51.3683979              | 0                               | 0                        | 0                   |
| Promedio             | 94.3243215        | 0.16965579                       | 0.16990582           | 0.33956161               | 4.52003829       | 252.843189                     | 1.97320562         | 39.8643057                  | 51.5215171              | 0.09990515                      | 0                        | 0.00006             |
| Máximo               | 95.5056796        | 0.28517542                       | 0.262585             | 0.50563458               | 6.27685667       | 270.4258                       | 2.54274768         | 40.4501177                  | 51.7393964              | 0.45882364                      | 0                        | 0.002               |
| Desv. Est.           | 1.04571728        | 0.05573065                       | 0.03449836           | 0.0835384                | 0.89110407       | 67.4974964                     | 0.23693476         | 0.28741312                  | 0.1135576               | 0.11323393                      | 0                        | 0.00035921          |

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Registros máximos diarios)

PERMISIONARIO:  
PUNTO DE MEDICIÓN:  
ZONA DE MEDICIÓN:

**Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997**  
**Cruce Internacional I - Estacion Importacion Rio Bravo**  
**RESTO DEL PAÍS**

| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m <sup>3</sup> ) | Poder Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido<br>Sulfhídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|---------------------------------------|---------------------|
| 01/07/2018           | 95.07334          | 0.16295                          | 0.14368              | 0.30394                  | 4.51124          | 270.357445                     | 2.04004674                      | 39.9101839                               | 51.5843075                           | 0.10705885                                   | 0                                     | 0.002               |
| 02/07/2018           | 95.38828          | 0.17821                          | 0.14167              | 0.31222                  | 4.69428          | 270.4258                       | 2.22942992                      | 39.8863615                               | 51.5720369                           | 0.14529415                                   | 0                                     | 0                   |
| 03/07/2018           | 95.54293          | 0.15183                          | 0.13258              | 0.28125                  | 4.79744          | 270.1695                       | 2.28513086                      | 39.8133587                               | 51.5454847                           | 0.15294121                                   | 0                                     | 0                   |
| 04/07/2018           | 95.49599          | 0.13405                          | 0.13553              | 0.26556                  | 5.31697          | 270.2358                       | 1.74900936                      | 40.0430912                               | 51.6678844                           | 0.13764709                                   | 0                                     | 0                   |
| 05/07/2018           | 95.73331          | 0.14137                          | 0.13267              | 0.26917                  | 4.09369          | 270.3182                       | 1.80192525                      | 39.651368                                | 51.4507422                           | 0  | 0                                     | 0                   |
| 06/07/2018           | 95.70947          | 0.14203                          | 0.13036              | 0.26956                  | 3.75912          | 270.3126                       | 1.54709347                      | 39.5701982                               | 51.4127926                           | 0.14529415                                   | 0                                     | 0                   |
| 07/07/2018           | 95.61238          | 0.12907                          | 0.13285              | 0.25859                  | 3.77149          | 270.3265                       | 1.53456076                      | 39.6477518                               | 51.4501099                           | 0.07647061                                   | 0                                     | 0                   |
| 08/07/2018           | 95.38062          | 0.15497                          | 0.18063              | 0.31762                  | 4.07205          | 270.2465                       | 1.68356076                      | 39.8744319                               | 51.5458211                           | 0.22941182                                   | 0                                     | 0                   |
| 09/07/2018           | 95.27647          | 0.17005                          | 0.17067              | 0.3366                   | 4.26203          | 270.3361                       | 1.91193459                      | 39.8726538                               | 51.5343962                           | 0  | 0                                     | 0                   |
| 10/07/2018           | 95.3229           | 0.13326                          | 0.16301              | 0.28661                  | 4.35939          | 270.2461                       | 1.93282244                      | 39.7898982                               | 51.5244266                           | 0.10705885                                   | 0                                     | 0                   |
| 11/07/2018           | 95.44978          | 0.11609                          | 0.1585               | 0.27025                  | 4.03302          | 270.2461                       | 1.78939254                      | 39.7213917                               | 51.4964511                           | 0.06117648                                   | 0                                     | 0                   |
| 12/07/2018           | 95.22222          | 0.11193                          | 0.15767              | 0.26501                  | 4.09163          | 270.2415                       | 1.70584113                      | 39.720232                                | 51.498598                            | 0.13764709                                   | 0                                     | 0                   |
| 13/07/2018           | 95.32849          | 0.11127                          | 0.17269              | 0.27891                  | 4.29615          | 270.3489                       | 1.7991402                       | 39.8119381                               | 51.5410912                           | 0.17588239                                   | 0                                     | 0                   |
| 14/07/2018           | 95.35511          | 0.13597                          | 0.18476              | 0.30621                  | 4.21795          | 270.2845                       | 1.80610282                      | 39.8213608                               | 51.5358515                           | 0.33647067                                   | 0                                     | 0                   |
| 15/07/2018           | 94.96445          | 0.13441                          | 0.20315              | 0.33253                  | 4.54364          | 270.4125                       | 1.81167291                      | 40.0490765                               | 51.6375256                           | 0.2141177                                    | 0                                     | 0                   |
| 16/07/2018           | 94.91465          | 0.14884                          | 0.18673              | 0.31935                  | 4.65872          | 270.3584                       | 2.08182245                      | 40.01799                                 | 51.6204836                           | 0.15294121                                   | 0                                     | 0                   |
| 17/07/2018           | 94.52927          | 0.17019                          | 0.19348              | 0.34462                  | 4.62988          | 270.2784                       | 2.12220562                      | 40.0224908                               | 51.6269602                           | 0.2141177                                    | 0                                     | 0                   |
| 18/07/2018           | 94.12512          | 0.35582                          | 0.24962              | 0.57626                  | 6.23762          | 270.4128                       | 2.09435516                      | 40.5136012                               | 51.79762                             | 0.01529412                                   | 0                                     | 0                   |
| 19/07/2018           | 92.91996          | 0.32357                          | 0.27503              | 0.59051                  | 6.32603          | 270.2483                       | 2.02612151                      | 40.4393565                               | 51.7752795                           | 0.19117652                                   | 0                                     | 0                   |
| 20/07/2018           | 92.89213          | 0.25051                          | 0.31205              | 0.52491                  | 6.42692          | 270.2247                       | 1.97877572                      | 40.4735504                               | 51.8027505                           | 0.16058827                                   | 0                                     | 0                   |
| 21/07/2018           | 92.6955           | 0.4789                           | 0.22928              | 0.68063                  | 6.62756          | 270.2312                       | 1.99270095                      | 40.6002017                               | 51.8550221                           | 0.13000003                                   | 0                                     | 0                   |
| 22/07/2018           | 92.73017          | 0.41801                          | 0.23592              | 0.64372                  | 6.50182          | 270.2369                       | 2.13056076                      | 40.6243542                               | 51.849901                            | 0.0382353                                    | 0                                     | 0                   |
| 23/07/2018           | 93.41261          | 0.31123                          | 0.22678              | 0.53305                  | 6.83822          | 270.2439                       | 2.4188131                       | 40.6364899                               | 51.8601344                           | 0  | 0                                     | 0                   |
| 24/07/2018           | 93.40767          | 0.29688                          | 0.20053              | 0.49741                  | 7.17757          | 270.2258                       | 2.11663553                      | 40.6623885                               | 51.889247                            | 0.19117652                                   | 0                                     | 0                   |
| 25/07/2018           | 94.82098          | 0.26021                          | 0.18149              | 0.41711                  | 7.90253          | 270.3269                       | 1.9300374                       | 40.7248456                               | 52.0077215                           | 0.11470591                                   | 0                                     | 0                   |
| 26/07/2018           | 95.01584          | 0.21224                          | 0.18264              | 0.39066                  | 4.61856          | 270.2874                       | 1.73647665                      | 39.8974479                               | 51.5409093                           | 0.04588236                                   | 0                                     | 0                   |
| 27/07/2018           | 95.3803           | 0.23811                          | 0.17461              | 0.40488                  | 4.14507          | 270.2367                       | 2.54274768                      | 39.7297967                               | 51.4334185                           | 0.45882364                                   | 0                                     | 0                   |
| 28/07/2018           | 95.01153          | 0.20974                          | 0.1824               | 0.38604                  | 4.18511          | 270.2347                       | 1.9481402                       | 39.8761597                               | 51.5036509                           | 0.08411767                                   | 0                                     | 0                   |
| 29/07/2018           | 94.67649          | 0.23778                          | 0.19414              | 0.42542                  | 4.80574          | 270.2458                       | 2.22664488                      | 40.0410747                               | 51.589074                            | 0.17588239                                   | 0                                     | 0                   |
| 30/07/2018           | 94.84905          | 0.24239                          | 0.19036              | 0.40868                  | 4.99675          | 270.2521                       | 2.16955142                      | 40.129073                                | 51.6374481                           | 0  | 0                                     | 0                   |
| 31/07/2018           | 94.9694           | 0.21236                          | 0.17638              | 0.37675                  | 4.60259          | 270.2236                       | 2.02612151                      | 39.8912884                               | 51.5473312                           | 0.15294121                                   | 0                                     | 0                   |
| Mínimo               | 92.6955           | 0.11127                          | 0.13036              | 0.25859                  | 3.75912          | 270.1695                       | 1.53456076                      | 39.5701982                               | 51.4127926                           | 0  | 0                                     | 0                   |
| Promedio             | 94.7485939        | 0.20884645                       | 0.18489871           | 0.38303323               | 5.01615419       | 270.283085                     | 1.97320562                      | 40.0472066                               | 51.6236926                           | 0.1339469                                    | 0                                     | 0.00006             |
| Máximo               | 95.73331          | 0.4789                           | 0.31205              | 0.68063                  | 7.90253          | 270.4258                       | 2.54274768                      | 40.7248456                               | 52.0077215                           | 0.45882364                                   | 0                                     | 0.002               |
| Desv. Est.           | 0.9408112         | 0.09269101                       | 0.04290248           | 0.12121394               | 1.12536541       | 0.06424444                     | 0.23693476                      | 0.34885134                               | 0.15447278                           | 0.09938965                                   | 0                                     | 0.00035921          |

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**

(Registros mínimos diarios)

PERMISIONARIO:

Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997

PUNTO DE MEDICIÓN:

Cruce Internacional I - Estacion Importacion Rio Bravo

ZONA DE MEDICIÓN:

**RESTO DEL PAÍS**

| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m <sup>3</sup> ) | Poder Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido<br>Sulfhídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|---------------------------------------|---------------------|
| 01/07/2018           | 94.6103496        | 0.14010522                       | 0.14180826           | 0.28191348               | 4.2655113        | 270.357445                     | 2.04004674                      | 39.8404302                               | 51.5417864                           | 0.10705885                                   | 0                                     | 0.002               |
| 02/07/2018           | 94.29038          | 0.13149                          | 0.13302              | 0.27101                  | 3.59715          | 270.4258                       | 2.22942992                      | 39.5506059                               | 51.3743472                           | 0.14529415                                   | 0                                     | 0                   |
| 03/07/2018           | 94.35557          | 0.12251                          | 0.11983              | 0.25167                  | 3.58534          | 270.1695                       | 2.28513086                      | 39.4791935                               | 51.3551766                           | 0.15294121                                   | 0                                     | 0                   |
| 04/07/2018           | 93.72018          | 0.12539                          | 0.11718              | 0.24913                  | 3.62017          | 270.2358                       | 1.74900936                      | 39.4974109                               | 51.369931                            | 0.13764709                                   | 0                                     | 0                   |
| 05/07/2018           | 94.98425          | 0.12789                          | 0.12428              | 0.25385                  | 3.43609          | 270.3182                       | 1.80192525                      | 39.3891967                               | 51.3039873                           | 0  | 0                                     | 0                   |
| 06/07/2018           | 95.31143          | 0.11644                          | 0.1265               | 0.2466                   | 3.42692          | 270.3126                       | 1.54709347                      | 39.4139634                               | 51.3171407                           | 0.14529415                                   | 0                                     | 0                   |
| 07/07/2018           | 95.20532          | 0.11711                          | 0.12501              | 0.24715                  | 3.49296          | 270.3265                       | 1.53456076                      | 39.4767186                               | 51.3625538                           | 0.07647061                                   | 0                                     | 0                   |
| 08/07/2018           | 94.70327          | 0.12398                          | 0.13191              | 0.25598                  | 3.64909          | 270.2465                       | 1.68356076                      | 39.574607                                | 51.4097769                           | 0.22941182                                   | 0                                     | 0                   |
| 09/07/2018           | 94.58186          | 0.12342                          | 0.13773              | 0.27111                  | 3.65112          | 270.3361                       | 1.91193459                      | 39.588567                                | 51.41005                             | 0  | 0                                     | 0                   |
| 10/07/2018           | 94.62234          | 0.10261                          | 0.14144              | 0.24781                  | 3.72584          | 270.2461                       | 1.93282244                      | 39.5601064                               | 51.4036416                           | 0.10705885                                   | 0                                     | 0                   |
| 11/07/2018           | 94.94543          | 0.10136                          | 0.11832              | 0.21968                  | 3.77617          | 270.2461                       | 1.78939254                      | 39.485211                                | 51.385872                            | 0.06117648                                   | 0                                     | 0                   |
| 12/07/2018           | 94.91861          | 0.0984                           | 0.12063              | 0.22617                  | 3.82464          | 270.2415                       | 1.70584113                      | 39.6023479                               | 51.4312944                           | 0.13764709                                   | 0                                     | 0                   |
| 13/07/2018           | 94.64048          | 0.09475                          | 0.11884              | 0.21565                  | 3.8358           | 270.3489                       | 1.7991402                       | 39.5319071                               | 51.4146071                           | 0.17588239                                   | 0                                     | 0                   |
| 14/07/2018           | 94.7039           | 0.09765                          | 0.11457              | 0.23871                  | 3.76282          | 270.2845                       | 1.80610282                      | 39.549043                                | 51.4063022                           | 0.33647067                                   | 0                                     | 0                   |
| 15/07/2018           | 94.07745          | 0.11799                          | 0.11795              | 0.23745                  | 3.97958          | 270.4125                       | 1.81167291                      | 39.6604285                               | 51.4691169                           | 0.2141177                                    | 0                                     | 0                   |
| 16/07/2018           | 94.07514          | 0.12077                          | 0.14043              | 0.27269                  | 3.95924          | 270.3584                       | 2.08182245                      | 39.7197281                               | 51.4567914                           | 0.15294121                                   | 0                                     | 0                   |
| 17/07/2018           | 94.09821          | 0.12996                          | 0.16034              | 0.29183                  | 4.30642          | 270.2784                       | 2.12220562                      | 39.8262232                               | 51.5167678                           | 0.2141177                                    | 0                                     | 0                   |
| 18/07/2018           | 92.17529          | 0.13666                          | 0.15894              | 0.3499                   | 4.56649          | 270.4128                       | 2.09435516                      | 39.9237407                               | 51.4860266                           | 0.01529412                                   | 0                                     | 0                   |
| 19/07/2018           | 92.27385          | 0.18974                          | 0.2341               | 0.42909                  | 5.79532          | 270.2483                       | 2.02612151                      | 40.2019658                               | 51.5663743                           | 0.19117652                                   | 0                                     | 0                   |
| 20/07/2018           | 92.17786          | 0.19973                          | 0.21706              | 0.42851                  | 5.77459          | 270.2247                       | 1.97877572                      | 40.14114                                 | 51.6151076                           | 0.16058827                                   | 0                                     | 0                   |
| 21/07/2018           | 91.86218          | 0.20337                          | 0.18472              | 0.4224                   | 5.81571          | 270.2312                       | 1.99270095                      | 40.1931388                               | 51.4763756                           | 0.13000003                                   | 0                                     | 0                   |
| 22/07/2018           | 91.93316          | 0.22958                          | 0.21169              | 0.44127                  | 5.52628          | 270.2369                       | 2.13056076                      | 40.2640609                               | 51.5619626                           | 0.0382353                                    | 0                                     | 0                   |
| 23/07/2018           | 91.64938          | 0.26079                          | 0.18418              | 0.45632                  | 5.11332          | 270.2439                       | 2.4188131                       | 40.0978033                               | 51.5501692                           | 0  | 0                                     | 0                   |
| 24/07/2018           | 91.43433          | 0.19105                          | 0.13744              | 0.32907                  | 5.13699          | 270.2258                       | 2.11663553                      | 40.081552                                | 51.537612                            | 0.19117652                                   | 0                                     | 0                   |
| 25/07/2018           | 91.12769          | 0.12727                          | 0.1148               | 0.25924                  | 3.99683          | 270.3269                       | 1.9300374                       | 39.7044804                               | 51.4145162                           | 0.11470591                                   | 0                                     | 0                   |
| 26/07/2018           | 94.22192          | 0.15007                          | 0.16804              | 0.32851                  | 3.74384          | 270.2874                       | 1.73647665                      | 39.6497499                               | 51.3778629                           | 0.04588236                                   | 0                                     | 0                   |
| 27/07/2018           | 94.67754          | 0.17194                          | 0.16567              | 0.33761                  | 3.52124          | 270.2367                       | 2.54274768                      | 39.5371133                               | 51.3203926                           | 0.45882364                                   | 0                                     | 0                   |
| 28/07/2018           | 94.46651          | 0.17606                          | 0.17166              | 0.35077                  | 3.77821          | 270.2347                       | 1.9481402                       | 39.6628576                               | 51.3965875                           | 0.08411767                                   | 0                                     | 0                   |
| 29/07/2018           | 93.83483          | 0.19225                          | 0.17958              | 0.37396                  | 3.94983          | 270.2458                       | 2.22664488                      | 39.8122955                               | 51.4634361                           | 0.17588239                                   | 0                                     | 0                   |
| 30/07/2018           | 93.60781          | 0.18901                          | 0.16629              | 0.36572                  | 3.86776          | 270.2521                       | 2.16955142                      | 39.6995674                               | 51.3801688                           | 0  | 0                                     | 0                   |
| 31/07/2018           | 94.26501          | 0.15595                          | 0.1571               | 0.32285                  | 3.92408          | 270.2236                       | 2.02612151                      | 39.6374583                               | 51.388128                            | 0.15294121                                   | 0                                     | 0                   |
| Mínimo               | 91.12769          | 0.09475                          | 0.11457              | 0.21565                  | 3.42692          | 270.1695                       | 1.53456076                      | 39.3891967                               | 51.3039873                           | 0  | 0                                     | 0                   |
| Promedio             | 93.7919848        | 0.14726759                       | 0.14971156           | 0.30560076               | 4.14210811       | 270.283085                     | 1.97320562                      | 39.721052                                | 51.4343182                           | 0.1339469                                    | 0                                     | 0.00006             |
| Máximo               | 95.31143          | 0.26079                          | 0.2341               | 0.45632                  | 5.81571          | 270.4258                       | 2.54274768                      | 40.2640609                               | 51.6151076                           | 0.45882364                                   | 0                                     | 0.002               |
| Desv. Est.           | 1.25371011        | 0.04218583                       | 0.03240607           | 0.07269908               | 0.74449396       | 0.06424444                     | 0.23693476                      | 0.25347407                               | 0.08050746                           | 0.09938965                                   | 0                                     | 0.00035921          |

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Valores promedio diarios)

PERMISIONARIO:  
PUNTO DE MEDICIÓN:  
ZONA DE MEDICIÓN:

**Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997**  
**Cruce Internacional II - Estacion Importacion Phenix**  
**RESTO DEL PAÍS**

| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 01/07/2018           | 94.6296408        | 0.14105708                       | 0.14177417           | 0.28283125               | 4.24414125       | 270.357445                     | 2.04004674         | 39.8350687                  | 51.538153               | 0.10705885                      | 0                        | 0.002               |
| 02/07/2018           | 94.8545613        | 0.14635292                       | 0.13787583           | 0.28422875               | 4.11119042       | 270.4258                       | 2.22942992         | 39.7241857                  | 51.4755054              | 0.14529415                      | 0                        | 0                   |
| 03/07/2018           | 95.0739117        | 0.133605                         | 0.1290175            | 0.2626225                | 4.01730458       | 270.1695                       | 2.28513086         | 39.6248933                  | 51.4344319              | 0.15294121                      | 0                        | 0                   |
| 04/07/2018           | 95.08785          | 0.1289                           | 0.12774542           | 0.25664542               | 3.998425         | 270.2358                       | 1.74900936         | 39.6279827                  | 51.4400094              | 0                               | 0                        | 0                   |
| 05/07/2018           | 95.3925508        | 0.13295542                       | 0.12730292           | 0.26025833               | 3.73236375       | 270.3182                       | 1.80192525         | 39.5138514                  | 51.3744877              | 0                               | 0                        | 0                   |
| 06/07/2018           | 95.5056796        | 0.12815083                       | 0.12821333           | 0.25636417               | 3.60094333       | 270.3126                       | 1.54709347         | 39.4978117                  | 51.3683979              | 0                               | 0                        | 0                   |
| 07/07/2018           | 95.4505646        | 0.12286125                       | 0.13004583           | 0.25290708               | 3.61199875       | 270.3265                       | 1.53456076         | 39.5421632                  | 51.3955117              | 0                               | 0                        | 0                   |
| 08/07/2018           | 94.9921463        | 0.13569                          | 0.14828083           | 0.28397083               | 3.88826292       | 270.2465                       | 1.68356076         | 39.7292134                  | 51.4804108              | 0                               | 0                        | 0                   |
| 09/07/2018           | 94.9484592        | 0.13984875                       | 0.16130625           | 0.301155                 | 3.87830917       | 270.3361                       | 1.91193459         | 39.7417906                  | 51.4782098              | 0                               | 0                        | 0                   |
| 10/07/2018           | 95.0337979        | 0.11336042                       | 0.15480125           | 0.26816167               | 3.95771292       | 270.2461                       | 1.93282244         | 39.6727617                  | 51.46272                | 0                               | 0                        | 0                   |
| 11/07/2018           | 95.1423396        | 0.10748208                       | 0.1508775            | 0.25835958               | 3.90672417       | 270.2461                       | 1.78939254         | 39.6283575                  | 51.4444269              | 0                               | 0                        | 0                   |
| 12/07/2018           | 95.1213742        | 0.1022125                        | 0.15219              | 0.2544025                | 3.93263917       | 270.2415                       | 1.70584113         | 39.637364                   | 51.4525399              | 0                               | 0                        | 0                   |
| 13/07/2018           | 95.0319475        | 0.10252167                       | 0.1576275            | 0.26014917               | 4.00217875       | 270.3489                       | 1.7991402          | 39.6665891                  | 51.4658601              | 0.17588239                      | 0                        | 0                   |
| 14/07/2018           | 94.96077          | 0.11070375                       | 0.15750542           | 0.26820917               | 4.03842875       | 270.2845                       | 1.80610282         | 39.6933423                  | 51.4747472              | 0.33647067                      | 0                        | 0                   |
| 15/07/2018           | 94.5209133        | 0.12716833                       | 0.17066833           | 0.29783667               | 4.29402125       | 270.4125                       | 1.81167291         | 39.8713967                  | 51.5544403              | 0.2141177                       | 0                        | 0                   |
| 16/07/2018           | 94.507555         | 0.1313975                        | 0.17244              | 0.3038375                | 4.34762917       | 0                              | 2.08182245         | 39.8490956                  | 51.5386033              | 0.15294121                      | 0                        | 0                   |
| 17/07/2018           | 94.3835929        | 0.13764042                       | 0.17984292           | 0.31748333               | 4.42961292       | 0                              | 2.12220562         | 39.8831573                  | 51.5495124              | 0.2141177                       | 0                        | 0                   |
| 18/07/2018           | 93.3558183        | 0.20470375                       | 0.21144458           | 0.41614833               | 5.38550542       | 270.4128                       | 2.09435516         | 40.0955298                  | 51.6055336              | 0.01529412                      | 0                        | 0                   |
| 19/07/2018           | 92.6122779        | 0.22244125                       | 0.250775             | 0.47321625               | 6.02473708       | 270.2483                       | 2.02612151         | 40.2940526                  | 51.684452               | 0.19117652                      | 0                        | 0                   |
| 20/07/2018           | 92.5815158        | 0.21496125                       | 0.262585             | 0.47754625               | 6.05051833       | 270.2247                       | 1.97877572         | 40.2996397                  | 51.6873225              | 0                               | 0                        | 0                   |
| 21/07/2018           | 92.4489246        | 0.28111                          | 0.21061667           | 0.49172667               | 6.12142083       | 270.2312                       | 1.99270095         | 40.3495719                  | 51.6923893              | 0.13000003                      | 0                        | 0                   |
| 22/07/2018           | 92.3662208        | 0.28517542                       | 0.22045917           | 0.50563458               | 6.02394875       | 270.2369                       | 2.13056076         | 40.4501177                  | 51.7393964              | 0.0382353                       | 0                        | 0                   |
| 23/07/2018           | 92.4410721        | 0.27989625                       | 0.206425             | 0.48632125               | 6.01160583       | 270.2439                       | 2.4188131          | 40.4198212                  | 51.7329459              | 0                               | 0                        | 0                   |
| 24/07/2018           | 92.4098913        | 0.261565                         | 0.17826125           | 0.43982625               | 6.27685667       | 270.2258                       | 2.11663553         | 40.3650326                  | 51.7296175              | 0.19117652                      | 0                        | 0                   |
| 25/07/2018           | 93.1566317        | 0.21255792                       | 0.14703083           | 0.35958875               | 5.73423333       | 270.3269                       | 1.9300374          | 40.1520759                  | 51.6612155              | 0.11470591                      | 0                        | 0                   |
| 26/07/2018           | 94.6984454        | 0.18227458                       | 0.17499458           | 0.35726917               | 4.1078575        | 270.2874                       | 1.73647665         | 39.7522591                  | 51.4480389              | 0.04588236                      | 0                        | 0                   |
| 27/07/2018           | 95.0667804        | 0.19285667                       | 0.16937458           | 0.36223125               | 3.74623458       | 270.2367                       | 2.54274768         | 39.638384                   | 51.3801433              | 0.45882364                      | 0                        | 0                   |
| 28/07/2018           | 94.8093333        | 0.18977292                       | 0.17734833           | 0.36712125               | 3.93061208       | 270.2347                       | 1.9481402          | 39.7391246                  | 51.4340411              | 0.08411767                      | 0                        | 0                   |
| 29/07/2018           | 94.4470029        | 0.20129583                       | 0.18759292           | 0.38888875               | 4.17690542       | 270.2458                       | 2.22664488         | 39.8776901                  | 51.4972643              | 0.17588239                      | 0                        | 0                   |
| 30/07/2018           | 94.4330075        | 0.20116042                       | 0.17615              | 0.37731042               | 4.27783042       | 270.2521                       | 2.16955142         | 39.8545377                  | 51.4902978              | 0                               | 0                        | 0                   |
| 31/07/2018           | 94.5893892        | 0.18765042                       | 0.1665075            | 0.35415792               | 4.26103458       | 270.2236                       | 2.02612151         | 39.7666154                  | 51.4564045              | 0.15294121                      | 0                        | 0                   |
| Mínimo               | 92.3662208        | 0.1022125                        | 0.12730292           | 0.25290708               | 3.60094333       | 0                              | 1.53456076         | 39.4978117                  | 51.3683979              | 0                               | 0                        | 0                   |
| Promedio             | 94.3243215        | 0.16965579                       | 0.16990582           | 0.33956161               | 4.52003829       | 252.843189                     | 1.97320562         | 39.8643057                  | 51.5215171              | 0.09990515                      | 0                        | 0.00006             |
| Máximo               | 95.5056796        | 0.28517542                       | 0.262585             | 0.50563458               | 6.27685667       | 270.4258                       | 2.54274768         | 40.4501177                  | 51.7393964              | 0.45882364                      | 0                        | 0.002               |
| Desv. Est.           | 1.04571728        | 0.05573065                       | 0.03449836           | 0.0835384                | 0.89110407       | 67.4974964                     | 0.23693476         | 0.28741312                  | 0.1135576               | 0.11323393                      | 0                        | 0.00035921          |

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Registros máximos diarios)

PERMISIONARIO:  
PUNTO DE MEDICIÓN:  
ZONA DE MEDICIÓN:

**Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997**  
**Cruce Internacional II - Estacion Importacion Phenix**  
**RESTO DEL PAÍS**

| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m <sup>3</sup> ) | Poder Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido<br>Sulfhídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|---------------------------------------|---------------------|
| 01/07/2018           | 95.07334          | 0.16295                          | 0.14368              | 0.30394                  | 4.51124          | 270.357445                     | 2.04004674                      | 39.9101839                               | 51.5843075                           | 0.10705885                                   | 0                                     | 0.002               |
| 02/07/2018           | 95.38828          | 0.17821                          | 0.14167              | 0.31222                  | 4.69428          | 270.4258                       | 2.22942992                      | 39.8863615                               | 51.5720369                           | 0.14529415                                   | 0                                     | 0                   |
| 03/07/2018           | 95.54293          | 0.15183                          | 0.13258              | 0.28125                  | 4.79744          | 270.1695                       | 2.28513086                      | 39.8133587                               | 51.5454847                           | 0.15294121                                   | 0                                     | 0                   |
| 04/07/2018           | 95.49599          | 0.13405                          | 0.13553              | 0.26556                  | 5.31697          | 270.2358                       | 1.74900936                      | 40.0430912                               | 51.6678844                           | 0.13764709                                   | 0                                     | 0                   |
| 05/07/2018           | 95.73331          | 0.14137                          | 0.13267              | 0.26917                  | 4.09369          | 270.3182                       | 1.80192525                      | 39.651368                                | 51.4507422                           | 0  | 0                                     | 0                   |
| 06/07/2018           | 95.70947          | 0.14203                          | 0.13036              | 0.26956                  | 3.75912          | 270.3126                       | 1.54709347                      | 39.5701982                               | 51.4127926                           | 0.14529415                                   | 0                                     | 0                   |
| 07/07/2018           | 95.61238          | 0.12907                          | 0.13285              | 0.25859                  | 3.77149          | 270.3265                       | 1.53456076                      | 39.6477518                               | 51.4501099                           | 0.07647061                                   | 0                                     | 0                   |
| 08/07/2018           | 95.38062          | 0.15497                          | 0.18063              | 0.31762                  | 4.07205          | 270.2465                       | 1.68356076                      | 39.8744319                               | 51.5458211                           | 0.22941182                                   | 0                                     | 0                   |
| 09/07/2018           | 95.27647          | 0.17005                          | 0.17067              | 0.3366                   | 4.26203          | 270.3361                       | 1.91193459                      | 39.8726538                               | 51.5343962                           | 0  | 0                                     | 0                   |
| 10/07/2018           | 95.3229           | 0.13326                          | 0.16301              | 0.28661                  | 4.35939          | 270.2461                       | 1.93282244                      | 39.7898982                               | 51.5244266                           | 0.10705885                                   | 0                                     | 0                   |
| 11/07/2018           | 95.44978          | 0.11609                          | 0.1585               | 0.27025                  | 4.03302          | 270.2461                       | 1.78939254                      | 39.7213917                               | 51.4964511                           | 0.06117648                                   | 0                                     | 0                   |
| 12/07/2018           | 95.22222          | 0.11193                          | 0.15767              | 0.26501                  | 4.09163          | 270.2415                       | 1.70584113                      | 39.720232                                | 51.498598                            | 0.13764709                                   | 0                                     | 0                   |
| 13/07/2018           | 95.32849          | 0.11127                          | 0.17269              | 0.27891                  | 4.29615          | 270.3489                       | 1.7991402                       | 39.8119381                               | 51.5410912                           | 0.17588239                                   | 0                                     | 0                   |
| 14/07/2018           | 95.35511          | 0.13597                          | 0.18476              | 0.30621                  | 4.21795          | 270.2845                       | 1.80610282                      | 39.8213608                               | 51.5358515                           | 0.33647067                                   | 0                                     | 0                   |
| 15/07/2018           | 94.96445          | 0.13441                          | 0.20315              | 0.33253                  | 4.54364          | 270.4125                       | 1.81167291                      | 40.0490765                               | 51.6375256                           | 0.2141177                                    | 0                                     | 0                   |
| 16/07/2018           | 94.91465          | 0.14884                          | 0.18673              | 0.31935                  | 4.65872          | 270.3584                       | 2.08182245                      | 40.01799                                 | 51.6204836                           | 0.15294121                                   | 0                                     | 0                   |
| 17/07/2018           | 94.52927          | 0.17019                          | 0.19348              | 0.34462                  | 4.62988          | 270.2784                       | 2.12220562                      | 40.0224908                               | 51.6269602                           | 0.2141177                                    | 0                                     | 0                   |
| 18/07/2018           | 94.12512          | 0.35582                          | 0.24962              | 0.57626                  | 6.23762          | 270.4128                       | 2.09435516                      | 40.5136012                               | 51.79762                             | 0.01529412                                   | 0                                     | 0                   |
| 19/07/2018           | 92.91996          | 0.32357                          | 0.27503              | 0.59051                  | 6.32603          | 270.2483                       | 2.02612151                      | 40.4393565                               | 51.7752795                           | 0.19117652                                   | 0                                     | 0                   |
| 20/07/2018           | 92.89213          | 0.25051                          | 0.31205              | 0.52491                  | 6.42692          | 270.2247                       | 1.97877572                      | 40.4735504                               | 51.8027505                           | 0.16058827                                   | 0                                     | 0                   |
| 21/07/2018           | 92.6955           | 0.4789                           | 0.22928              | 0.68063                  | 6.62756          | 270.2312                       | 1.99270095                      | 40.6002017                               | 51.8550221                           | 0.13000003                                   | 0                                     | 0                   |
| 22/07/2018           | 92.73017          | 0.41801                          | 0.23592              | 0.64372                  | 6.50182          | 270.2369                       | 2.13056076                      | 40.6243542                               | 51.849901                            | 0.0382353                                    | 0                                     | 0                   |
| 23/07/2018           | 93.41261          | 0.31123                          | 0.22678              | 0.53305                  | 6.83822          | 270.2439                       | 2.4188131                       | 40.6364899                               | 51.8601344                           | 0  | 0                                     | 0                   |
| 24/07/2018           | 93.40767          | 0.29688                          | 0.20053              | 0.49741                  | 7.17757          | 270.2258                       | 2.11663553                      | 40.6623885                               | 51.889247                            | 0.19117652                                   | 0                                     | 0                   |
| 25/07/2018           | 94.82098          | 0.26021                          | 0.18149              | 0.41711                  | 7.90253          | 270.3269                       | 1.9300374                       | 40.7248456                               | 52.0077215                           | 0.11470591                                   | 0                                     | 0                   |
| 26/07/2018           | 95.01584          | 0.21224                          | 0.18264              | 0.39066                  | 4.61856          | 270.2874                       | 1.73647665                      | 39.8974479                               | 51.5409093                           | 0.04588236                                   | 0                                     | 0                   |
| 27/07/2018           | 95.3803           | 0.23811                          | 0.17461              | 0.40488                  | 4.14507          | 270.2367                       | 2.54274768                      | 39.7297967                               | 51.4334185                           | 0.45882364                                   | 0                                     | 0                   |
| 28/07/2018           | 95.01153          | 0.20974                          | 0.1824               | 0.38604                  | 4.18511          | 270.2347                       | 1.9481402                       | 39.8761597                               | 51.5036509                           | 0.08411767                                   | 0                                     | 0                   |
| 29/07/2018           | 94.67649          | 0.23778                          | 0.19414              | 0.42542                  | 4.80574          | 270.2458                       | 2.22664488                      | 40.0410747                               | 51.589074                            | 0.17588239                                   | 0                                     | 0                   |
| 30/07/2018           | 94.84905          | 0.24239                          | 0.19036              | 0.40868                  | 4.99675          | 270.2521                       | 2.16955142                      | 40.129073                                | 51.6374481                           | 0  | 0                                     | 0                   |
| 31/07/2018           | 94.9694           | 0.21236                          | 0.17638              | 0.37675                  | 4.60259          | 270.2236                       | 2.02612151                      | 39.8912884                               | 51.5473312                           | 0.15294121                                   | 0                                     | 0                   |
| Mínimo               | 92.6955           | 0.11127                          | 0.13036              | 0.25859                  | 3.75912          | 270.1695                       | 1.53456076                      | 39.5701982                               | 51.4127926                           | 0  | 0                                     | 0                   |
| Promedio             | 94.7485939        | 0.20884645                       | 0.18489871           | 0.38303323               | 5.01615419       | 270.283085                     | 1.97320562                      | 40.0472066                               | 51.6236926                           | 0.1339469                                    | 0                                     | 0.00006             |
| Máximo               | 95.73331          | 0.4789                           | 0.31205              | 0.68063                  | 7.90253          | 270.4258                       | 2.54274768                      | 40.7248456                               | 52.0077215                           | 0.45882364                                   | 0                                     | 0.002               |
| Desv. Est.           | 0.9408112         | 0.09269101                       | 0.04290248           | 0.12121394               | 1.12536541       | 0.06424444                     | 0.23693476                      | 0.34885134                               | 0.15447278                           | 0.09938965                                   | 0                                     | 0.00035921          |

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Registros mínimos diarios)

PERMISIONARIO:  
PUNTO DE MEDICIÓN:  
ZONA DE MEDICIÓN:

**Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997**  
**Cruce Internacional II - Estacion Importacion Phenix**  
**RESTO DEL PAÍS**

| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m <sup>3</sup> ) | Poder Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido<br>Sulfhídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|---------------------------------------|---------------------|
| 01/07/2018           | 94.6103496        | 0.14010522                       | 0.14180826           | 0.28191348               | 4.2655113        | 270.357445                     | 2.04004674                      | 39.8404302                               | 51.5417864                           | 0.10705885                                   | 0                                     | 0.002               |
| 02/07/2018           | 94.29038          | 0.13149                          | 0.13302              | 0.27101                  | 3.59715          | 270.4258                       | 2.22942992                      | 39.5506059                               | 51.3743472                           | 0.14529415                                   | 0                                     | 0                   |
| 03/07/2018           | 94.35557          | 0.12251                          | 0.11983              | 0.25167                  | 3.58534          | 270.1695                       | 2.28513086                      | 39.4791935                               | 51.3551766                           | 0.15294121                                   | 0                                     | 0                   |
| 04/07/2018           | 93.72018          | 0.12539                          | 0.11718              | 0.24913                  | 3.62017          | 270.2358                       | 1.74900936                      | 39.4974109                               | 51.369931                            | 0.13764709                                   | 0                                     | 0                   |
| 05/07/2018           | 94.98425          | 0.12789                          | 0.12428              | 0.25385                  | 3.43609          | 270.3182                       | 1.80192525                      | 39.3891967                               | 51.3039873                           | 0  | 0                                     | 0                   |
| 06/07/2018           | 95.31143          | 0.11644                          | 0.1265               | 0.2466                   | 3.42692          | 270.3126                       | 1.54709347                      | 39.4139634                               | 51.3171407                           | 0.14529415                                   | 0                                     | 0                   |
| 07/07/2018           | 95.20532          | 0.11711                          | 0.12501              | 0.24715                  | 3.49296          | 270.3265                       | 1.53456076                      | 39.4767186                               | 51.3625538                           | 0.07647061                                   | 0                                     | 0                   |
| 08/07/2018           | 94.70327          | 0.12398                          | 0.13191              | 0.25598                  | 3.64909          | 270.2465                       | 1.68356076                      | 39.574607                                | 51.4097769                           | 0.22941182                                   | 0                                     | 0                   |
| 09/07/2018           | 94.58186          | 0.12342                          | 0.13773              | 0.27111                  | 3.65112          | 270.3361                       | 1.91193459                      | 39.588567                                | 51.41005                             | 0  | 0                                     | 0                   |
| 10/07/2018           | 94.62234          | 0.10261                          | 0.14144              | 0.24781                  | 3.72584          | 270.2461                       | 1.93282244                      | 39.5601064                               | 51.4036416                           | 0.10705885                                   | 0                                     | 0                   |
| 11/07/2018           | 94.94543          | 0.10136                          | 0.11832              | 0.21968                  | 3.77617          | 270.2461                       | 1.78939254                      | 39.485211                                | 51.385872                            | 0.06117648                                   | 0                                     | 0                   |
| 12/07/2018           | 94.91861          | 0.0984                           | 0.12063              | 0.22617                  | 3.82464          | 270.2415                       | 1.70584113                      | 39.6023479                               | 51.4312944                           | 0.13764709                                   | 0                                     | 0                   |
| 13/07/2018           | 94.64048          | 0.09475                          | 0.11884              | 0.21565                  | 3.8358           | 270.3489                       | 1.7991402                       | 39.5319071                               | 51.4146071                           | 0.17588239                                   | 0                                     | 0                   |
| 14/07/2018           | 94.7039           | 0.09765                          | 0.11457              | 0.23871                  | 3.76282          | 270.2845                       | 1.80610282                      | 39.549043                                | 51.4063022                           | 0.33647067                                   | 0                                     | 0                   |
| 15/07/2018           | 94.07745          | 0.11799                          | 0.11795              | 0.23745                  | 3.97958          | 270.4125                       | 1.81167291                      | 39.6604285                               | 51.4691169                           | 0.2141177                                    | 0                                     | 0                   |
| 16/07/2018           | 94.07514          | 0.12077                          | 0.14043              | 0.27269                  | 3.95924          | 270.3584                       | 2.08182245                      | 39.7197281                               | 51.4567914                           | 0.15294121                                   | 0                                     | 0                   |
| 17/07/2018           | 94.09821          | 0.12996                          | 0.16034              | 0.29183                  | 4.30642          | 270.2784                       | 2.12220562                      | 39.8262232                               | 51.5167678                           | 0.2141177                                    | 0                                     | 0                   |
| 18/07/2018           | 92.17529          | 0.13666                          | 0.15894              | 0.3499                   | 4.56649          | 270.4128                       | 2.09435516                      | 39.9237407                               | 51.4860266                           | 0.01529412                                   | 0                                     | 0                   |
| 19/07/2018           | 92.27385          | 0.18974                          | 0.2341               | 0.42909                  | 5.79532          | 270.2483                       | 2.02612151                      | 40.2019658                               | 51.5663743                           | 0.19117652                                   | 0                                     | 0                   |
| 20/07/2018           | 92.17786          | 0.19973                          | 0.21706              | 0.42851                  | 5.77459          | 270.2247                       | 1.97877572                      | 40.14114                                 | 51.6151076                           | 0.16058827                                   | 0                                     | 0                   |
| 21/07/2018           | 91.86218          | 0.20337                          | 0.18472              | 0.4224                   | 5.81571          | 270.2312                       | 1.99270095                      | 40.1931388                               | 51.4763756                           | 0.13000003                                   | 0                                     | 0                   |
| 22/07/2018           | 91.93316          | 0.22958                          | 0.21169              | 0.44127                  | 5.52628          | 270.2369                       | 2.13056076                      | 40.2640609                               | 51.5619626                           | 0.0382353                                    | 0                                     | 0                   |
| 23/07/2018           | 91.64938          | 0.26079                          | 0.18418              | 0.45632                  | 5.11332          | 270.2439                       | 2.4188131                       | 40.0978033                               | 51.5501692                           | 0  | 0                                     | 0                   |
| 24/07/2018           | 91.43433          | 0.19105                          | 0.13744              | 0.32907                  | 5.13699          | 270.2258                       | 2.11663553                      | 40.081552                                | 51.537612                            | 0.19117652                                   | 0                                     | 0                   |
| 25/07/2018           | 91.12769          | 0.12727                          | 0.1148               | 0.25924                  | 3.99683          | 270.3269                       | 1.9300374                       | 39.7044804                               | 51.4145162                           | 0.11470591                                   | 0                                     | 0                   |
| 26/07/2018           | 94.22192          | 0.15007                          | 0.16804              | 0.32851                  | 3.74384          | 270.2874                       | 1.73647665                      | 39.6497499                               | 51.3778629                           | 0.04588236                                   | 0                                     | 0                   |
| 27/07/2018           | 94.67754          | 0.17194                          | 0.16567              | 0.33761                  | 3.52124          | 270.2367                       | 2.54274768                      | 39.5371133                               | 51.3203926                           | 0.45882364                                   | 0                                     | 0                   |
| 28/07/2018           | 94.46651          | 0.17606                          | 0.17166              | 0.35077                  | 3.77821          | 270.2347                       | 1.9481402                       | 39.6628576                               | 51.3965875                           | 0.08411767                                   | 0                                     | 0                   |
| 29/07/2018           | 93.83483          | 0.19225                          | 0.17958              | 0.37396                  | 3.94983          | 270.2458                       | 2.22664488                      | 39.8122955                               | 51.4634361                           | 0.17588239                                   | 0                                     | 0                   |
| 30/07/2018           | 93.60781          | 0.18901                          | 0.16629              | 0.36572                  | 3.86776          | 270.2521                       | 2.16955142                      | 39.6995674                               | 51.3801688                           | 0  | 0                                     | 0                   |
| 31/07/2018           | 94.26501          | 0.15595                          | 0.1571               | 0.32285                  | 3.92408          | 270.2236                       | 2.02612151                      | 39.6374583                               | 51.388128                            | 0.15294121                                   | 0                                     | 0                   |
| Mínimo               | 91.12769          | 0.09475                          | 0.11457              | 0.21565                  | 3.42692          | 270.1695                       | 1.53456076                      | 39.3891967                               | 51.3039873                           | 0  | 0                                     | 0                   |
| Promedio             | 93.7919848        | 0.14726759                       | 0.14971156           | 0.30560076               | 4.14210811       | 270.283085                     | 1.97320562                      | 39.721052                                | 51.4343182                           | 0.1339469                                    | 0                                     | 0.00006             |
| Máximo               | 95.31143          | 0.26079                          | 0.2341               | 0.45632                  | 5.81571          | 270.4258                       | 2.54274768                      | 40.2640609                               | 51.6151076                           | 0.45882364                                   | 0                                     | 0.002               |
| Desv. Est.           | 1.25371011        | 0.04218583                       | 0.03240607           | 0.07269908               | 0.74449396       | 0.06424444                     | 0.23693476                      | 0.25347407                               | 0.08050746                           | 0.09938965                                   | 0                                     | 0.00035921          |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 01/07/2018           | 94.68945          | 0.1347                           | 0.13965              | 0.27435                  | 4.18472          | 270.357445                     | 2.04004674         | 39.8198711                  | 51.5352833              | 0.10705885                      | 0                        | 0.002               |
| 01:00:00 | 01/07/2018           | 94.69961          | 0.13562                          | 0.13982              | 0.27544                  | 4.18187          |                                |                    | 39.812181                   | 51.5303574              |                                 |                          |                     |
| 02:00:00 | 01/07/2018           | 94.63956          | 0.13452                          | 0.13932              | 0.27384                  | 4.24324          |                                |                    | 39.8364479                  | 51.5447116              |                                 |                          |                     |
| 03:00:00 | 01/07/2018           | 94.59022          | 0.13297                          | 0.13979              | 0.27276                  | 4.32077          |                                |                    | 39.8344224                  | 51.5446933              |                                 |                          |                     |
| 04:00:00 | 01/07/2018           | 94.43485          | 0.13321                          | 0.14158              | 0.27479                  | 4.45077          |                                |                    | 39.8867602                  | 51.5724869              |                                 |                          |                     |
| 05:00:00 | 01/07/2018           | 94.3821           | 0.13511                          | 0.14083              | 0.27594                  | 4.49461          |                                |                    | 39.9101839                  | 51.5843075              |                                 |                          |                     |
| 06:00:00 | 01/07/2018           | 94.40942          | 0.13579                          | 0.14304              | 0.27883                  | 4.47286          |                                |                    | 39.8951517                  | 51.574579               |                                 |                          |                     |
| 07:00:00 | 01/07/2018           | 94.43061          | 0.13486                          | 0.14221              | 0.27707                  | 4.46155          |                                |                    | 39.883355                   | 51.5691896              |                                 |                          |                     |
| 08:00:00 | 01/07/2018           | 94.45711          | 0.13726                          | 0.14188              | 0.27914                  | 4.43448          |                                |                    | 39.873511                   | 51.5622263              |                                 |                          |                     |
| 09:00:00 | 01/07/2018           | 94.44799          | 0.13876                          | 0.14111              | 0.27987                  | 4.45018          |                                |                    | 39.8767326                  | 51.5632815              |                                 |                          |                     |
| 10:00:00 | 01/07/2018           | 94.41703          | 0.13447                          | 0.14103              | 0.2755                   | 4.50398          |                                |                    | 39.8767923                  | 51.5665517              |                                 |                          |                     |
| 11:00:00 | 01/07/2018           | 94.38419          | 0.13752                          | 0.14166              | 0.27918                  | 4.51124          |                                |                    | 39.8934055                  | 51.5731509              |                                 |                          |                     |
| 12:00:00 | 01/07/2018           | 94.48768          | 0.14173                          | 0.14208              | 0.28381                  | 4.40364          |                                |                    | 39.8613201                  | 51.5522433              |                                 |                          |                     |
| 13:00:00 | 01/07/2018           | 94.47409          | 0.14053                          | 0.14153              | 0.28206                  | 4.42232          |                                |                    | 39.8662286                  | 51.5560634              |                                 |                          |                     |
| 14:00:00 | 01/07/2018           | 94.48423          | 0.14157                          | 0.14278              | 0.28435                  | 4.40726          |                                |                    | 39.8648304                  | 51.5539352              |                                 |                          |                     |
| 15:00:00 | 01/07/2018           | 94.57046          | 0.14103                          | 0.14308              | 0.28411                  | 4.31386          |                                |                    | 39.8485701                  | 51.5450797              |                                 |                          |                     |
| 16:00:00 | 01/07/2018           | 94.70301          | 0.14369                          | 0.14201              | 0.2857                   | 4.17712          |                                |                    | 39.8145001                  | 51.5247906              |                                 |                          |                     |
| 17:00:00 | 01/07/2018           | 94.78197          | 0.14504                          | 0.14287              | 0.28791                  | 4.05883          |                                |                    | 39.8085651                  | 51.5199012              |                                 |                          |                     |
| 18:00:00 | 01/07/2018           | 94.88372          | 0.14554                          | 0.14268              | 0.28822                  | 3.99134          |                                |                    | 39.7671255                  | 51.4968923              |                                 |                          |                     |
| 19:00:00 | 01/07/2018           | 94.91287          | 0.14892                          | 0.1433               | 0.29222                  | 3.94566          |                                |                    | 39.7613415                  | 51.4909432              |                                 |                          |                     |
| 20:00:00 | 01/07/2018           | 94.88207          | 0.14812                          | 0.14368              | 0.2918                   | 3.93693          |                                |                    | 39.7909893                  | 51.5074394              |                                 |                          |                     |
| 21:00:00 | 01/07/2018           | 94.91843          | 0.15171                          | 0.14362              | 0.29533                  | 3.88193          |                                |                    | 39.7819149                  | 51.4998666              |                                 |                          |                     |
| 22:00:00 | 01/07/2018           | 94.95737          | 0.14975                          | 0.14204              | 0.29179                  | 3.8576           |                                |                    | 39.7656955                  | 51.4931128              |                                 |                          |                     |
| 23:00:00 | 01/07/2018           | 95.07334          | 0.16295                          | 0.14099              | 0.30394                  | 3.75263          |                                |                    | 39.7117534                  | 51.4545854              |                                 |                          |                     |
|          | Mínimo               | 94.6103496        | 0.14010522                       | 0.14180826           | 0.28191348               | 4.2655113        | 270.357445                     | 2.04004674         | 39.8404302                  | 51.5417864              | 0.10705885                      | 0                        | 0.002               |
|          | Promedio             | 94.6296408        | 0.14105708                       | 0.14177417           | 0.28283125               | 4.24414125       | 270.357445                     | 2.04004674         | 39.8350687                  | 51.538153               | 0.10705885                      | 0                        | 0.002               |
|          | Máximo               | 95.07334          | 0.16295                          | 0.14368              | 0.30394                  | 4.51124          | 270.357445                     | 2.04004674         | 39.9101839                  | 51.5843075              | 0.10705885                      | 0                        | 0.002               |
|          | Desv. Est.           | 0.21462018        | 0.00734475                       | 0.00126888           | 0.00801863               | 0.24073165       | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 02/07/2018           | 95.0779           | 0.17001                          | 0.14095              | 0.31096                  | 3.75099          | 270.4258                       | 2.22942992         | 39.698536                   | 51.4423963              | 0.14529415                      |                          |                     |
| 01:00:00 | 02/07/2018           | 95.00196          | 0.14846                          | 0.14136              | 0.28982                  | 3.85957          |                                |                    | 39.7256447                  | 51.4725733              |                                 |                          |                     |
| 02:00:00 | 02/07/2018           | 95.00134          | 0.14536                          | 0.13963              | 0.28499                  | 3.89349          |                                |                    | 39.7124686                  | 51.4685029              |                                 |                          |                     |
| 03:00:00 | 02/07/2018           | 94.95705          | 0.14359                          | 0.13743              | 0.28102                  | 3.96518          |                                |                    | 39.7162358                  | 51.4730327              |                                 |                          |                     |
| 04:00:00 | 02/07/2018           | 94.98029          | 0.1381                           | 0.13828              | 0.27638                  | 3.99938          |                                |                    | 39.6910614                  | 51.4628813              |                                 |                          |                     |
| 05:00:00 | 02/07/2018           | 94.93454          | 0.1372                           | 0.1389               | 0.2761                   | 4.11102          |                                |                    | 39.6793698                  | 51.4571186              |                                 |                          |                     |
| 06:00:00 | 02/07/2018           | 94.70572          | 0.13299                          | 0.13957              | 0.27256                  | 4.33345          |                                |                    | 39.7509842                  | 51.4993666              |                                 |                          |                     |
| 07:00:00 | 02/07/2018           | 94.44452          | 0.13744                          | 0.14156              | 0.279                    | 4.51009          |                                |                    | 39.8492207                  | 51.5492187              |                                 |                          |                     |
| 08:00:00 | 02/07/2018           | 94.41257          | 0.1375                           | 0.14167              | 0.27917                  | 4.57113          |                                |                    | 39.8547251                  | 51.5522295              |                                 |                          |                     |
| 09:00:00 | 02/07/2018           | 94.36922          | 0.13149                          | 0.13952              | 0.27101                  | 4.67384          |                                |                    | 39.84434                    | 51.5521204              |                                 |                          |                     |
| 10:00:00 | 02/07/2018           | 94.29038          | 0.1325                           | 0.14108              | 0.27358                  | 4.69428          |                                |                    | 39.883465                   | 51.5720369              |                                 |                          |                     |
| 11:00:00 | 02/07/2018           | 94.43494          | 0.13212                          | 0.13979              | 0.27191                  | 4.57359          |                                |                    | 39.8314249                  | 51.5443203              |                                 |                          |                     |
| 12:00:00 | 02/07/2018           | 94.33008          | 0.13779                          | 0.13874              | 0.27653                  | 4.66626          |                                |                    | 39.8640101                  | 51.5587289              |                                 |                          |                     |
| 13:00:00 | 02/07/2018           | 94.29218          | 0.14089                          | 0.13763              | 0.27852                  | 4.67567          |                                |                    | 39.8863615                  | 51.569235               |                                 |                          |                     |
| 14:00:00 | 02/07/2018           | 94.48837          | 0.14167                          | 0.13834              | 0.28001                  | 4.47822          |                                |                    | 39.8311775                  | 51.537821               |                                 |                          |                     |
| 15:00:00 | 02/07/2018           | 94.75005          | 0.14953                          | 0.13708              | 0.28661                  | 4.20907          |                                |                    | 39.7533765                  | 51.4898061              |                                 |                          |                     |
| 16:00:00 | 02/07/2018           | 94.93479          | 0.14882                          | 0.13677              | 0.28559                  | 4.02842          |                                |                    | 39.7031513                  | 51.4626403              |                                 |                          |                     |
| 17:00:00 | 02/07/2018           | 95.2696           | 0.15765                          | 0.13538              | 0.29303                  | 3.69932          |                                |                    | 39.5945523                  | 51.3969969              |                                 |                          |                     |
| 18:00:00 | 02/07/2018           | 95.26871          | 0.17404                          | 0.13558              | 0.30962                  | 3.65942          |                                |                    | 39.5931451                  | 51.3843757              |                                 |                          |                     |
| 19:00:00 | 02/07/2018           | 95.32238          | 0.17821                          | 0.13401              | 0.31222                  | 3.59715          |                                |                    | 39.5806336                  | 51.375143               |                                 |                          |                     |
| 20:00:00 | 02/07/2018           | 95.38828          | 0.1563                           | 0.13411              | 0.29041                  | 3.61529          |                                |                    | 39.5506059                  | 51.3743472              |                                 |                          |                     |
| 21:00:00 | 02/07/2018           | 95.37445          | 0.15004                          | 0.13478              | 0.28482                  | 3.61249          |                                |                    | 39.5708215                  | 51.3895017              |                                 |                          |                     |
| 22:00:00 | 02/07/2018           | 95.28234          | 0.14573                          | 0.13384              | 0.27957                  | 3.69474          |                                |                    | 39.5996485                  | 51.4089766              |                                 |                          |                     |
| 23:00:00 | 02/07/2018           | 95.19781          | 0.14504                          | 0.13302              | 0.27806                  | 3.79651          |                                |                    | 39.6154966                  | 51.4187596              |                                 |                          |                     |
|          | Mínimo               | 94.29038          | 0.13149                          | 0.13302              | 0.27101                  | 3.59715          | 270.4258                       | 2.22942992         | 39.5506059                  | 51.3743472              | 0.14529415                      | 0                        | 0                   |
|          | Promedio             | 94.8545613        | 0.14635292                       | 0.13787583           | 0.28422875               | 4.11119042       | 270.4258                       | 2.22942992         | 39.7241857                  | 51.4755054              | 0.14529415                      | 0                        | 0                   |
|          | Máximo               | 95.38828          | 0.17821                          | 0.14167              | 0.31222                  | 4.69428          | 270.4258                       | 2.22942992         | 39.8863615                  | 51.5720369              | 0.14529415                      | 0                        | 0                   |
|          | Desv. Est.           | 0.38464184        | 0.01292347                       | 0.00269062           | 0.01185883               | 0.40365957       | 0                              | 0                  | 0.110889                    | 0.0670016               | 0                               | 0                        | 0                   |



| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 03/07/2018           | 95.26559          | 0.14037                          | 0.13159              | 0.27196                  | 3.83115          | 270.1695                       | 2.28513086         | 39.5621548                  | 51.3937268              | 0.15294121                      |                          |                     |
| 01:00:00 | 03/07/2018           | 95.15662          | 0.13605                          | 0.13144              | 0.26749                  | 3.95833          |                                |                    | 39.5879115                  | 51.4112509              |                                 |                          |                     |
| 02:00:00 | 03/07/2018           | 94.9409           | 0.13356                          | 0.13076              | 0.26432                  | 4.18422          |                                |                    | 39.6476373                  | 51.4464671              |                                 |                          |                     |
| 03:00:00 | 03/07/2018           | 94.83356          | 0.12558                          | 0.13005              | 0.25563                  | 4.32333          |                                |                    | 39.6731968                  | 51.4667473              |                                 |                          |                     |
| 04:00:00 | 03/07/2018           | 94.35557          | 0.12368                          | 0.13022              | 0.2539                   | 4.79744          |                                |                    | 39.8133587                  | 51.5454847              |                                 |                          |                     |
| 05:00:00 | 03/07/2018           | 94.41313          | 0.12251                          | 0.13087              | 0.25338                  | 4.7445           |                                |                    | 39.7952009                  | 51.536011               |                                 |                          |                     |
| 06:00:00 | 03/07/2018           | 94.62546          | 0.12662                          | 0.13059              | 0.25721                  | 4.51967          |                                |                    | 39.7346365                  | 51.499703               |                                 |                          |                     |
| 07:00:00 | 03/07/2018           | 94.77762          | 0.13116                          | 0.13258              | 0.26374                  | 4.30825          |                                |                    | 39.7062585                  | 51.479591               |                                 |                          |                     |
| 08:00:00 | 03/07/2018           | 95.0344           | 0.13342                          | 0.13145              | 0.26487                  | 4.05789          |                                |                    | 39.6283062                  | 51.4354241              |                                 |                          |                     |
| 09:00:00 | 03/07/2018           | 95.07671          | 0.13495                          | 0.13118              | 0.26613                  | 4.02393          |                                |                    | 39.6094471                  | 51.4241039              |                                 |                          |                     |
| 10:00:00 | 03/07/2018           | 95.17093          | 0.13201                          | 0.13015              | 0.26216                  | 3.94689          |                                |                    | 39.5789974                  | 51.409891               |                                 |                          |                     |
| 11:00:00 | 03/07/2018           | 95.33899          | 0.12938                          | 0.13023              | 0.25961                  | 3.78226          |                                |                    | 39.5332456                  | 51.3863634              |                                 |                          |                     |
| 12:00:00 | 03/07/2018           | 95.43942          | 0.12909                          | 0.12947              | 0.25856                  | 3.69025          |                                |                    | 39.5036988                  | 51.3705811              |                                 |                          |                     |
| 13:00:00 | 03/07/2018           | 95.46209          | 0.13277                          | 0.12912              | 0.26189                  | 3.65614          |                                |                    | 39.5054724                  | 51.3689757              |                                 |                          |                     |
| 14:00:00 | 03/07/2018           | 95.54293          | 0.13206                          | 0.12866              | 0.26072                  | 3.58534          |                                |                    | 39.4791935                  | 51.3551766              |                                 |                          |                     |
| 15:00:00 | 03/07/2018           | 95.39362          | 0.13522                          | 0.12787              | 0.26309                  | 3.71287          |                                |                    | 39.5261828                  | 51.379259               |                                 |                          |                     |
| 16:00:00 | 03/07/2018           | 95.33607          | 0.13164                          | 0.12743              | 0.25907                  | 3.75145          |                                |                    | 39.5599048                  | 51.4004989              |                                 |                          |                     |
| 17:00:00 | 03/07/2018           | 95.25816          | 0.13993                          | 0.12725              | 0.26718                  | 3.78746          |                                |                    | 39.5892954                  | 51.4108049              |                                 |                          |                     |
| 18:00:00 | 03/07/2018           | 95.25798          | 0.15183                          | 0.12942              | 0.28125                  | 3.76628          |                                |                    | 39.5803449                  | 51.3963785              |                                 |                          |                     |
| 19:00:00 | 03/07/2018           | 95.16324          | 0.14991                          | 0.12799              | 0.2779                   | 3.84286          |                                |                    | 39.6277104                  | 51.4243994              |                                 |                          |                     |
| 20:00:00 | 03/07/2018           | 95.00704          | 0.13564                          | 0.12831              | 0.26395                  | 3.99118          |                                |                    | 39.6881923                  | 51.467757               |                                 |                          |                     |
| 21:00:00 | 03/07/2018           | 94.96347          | 0.13395                          | 0.12864              | 0.26259                  | 4.03914          |                                |                    | 39.6959744                  | 51.4731691              |                                 |                          |                     |
| 22:00:00 | 03/07/2018           | 94.95929          | 0.13335                          | 0.12132              | 0.25467                  | 4.06871          |                                |                    | 39.6957086                  | 51.4769624              |                                 |                          |                     |
| 23:00:00 | 03/07/2018           | 95.00109          | 0.13184                          | 0.11983              | 0.25167                  | 4.04577          |                                |                    | 39.6754104                  | 51.4676385              |                                 |                          |                     |
|          | <b>Mínimo</b>        | 94.35557          | 0.12251                          | 0.11983              | 0.25167                  | 3.58534          | 270.1695                       | 2.28513086         | 39.4791935                  | 51.3551766              | 0.15294121                      | 0                        | 0                   |
|          | <b>Promedio</b>      | 95.0739117        | 0.133605                         | 0.1290175            | 0.2626225                | 4.01730458       | 270.1695                       | 2.28513086         | 39.6248933                  | 51.4344319              | 0.15294121                      | 0                        | 0                   |
|          | <b>Máximo</b>        | 95.54293          | 0.15183                          | 0.13258              | 0.28125                  | 4.79744          | 270.1695                       | 2.28513086         | 39.8133587                  | 51.5454847              | 0.15294121                      | 0                        | 0                   |
|          | <b>Desv. Est.</b>    | 0.31123534        | 0.00688459                       | 0.00296943           | 0.00722607               | 0.3253243        | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 04/07/2018           | 95.15254          | 0.13003                          | 0.13553              | 0.26556                  | 3.87324          | 270.2358                       | 1.74900936         | 39.6266197                  | 51.4345325              | 0.13764709                      |                          |                     |
| 01:00:00 | 04/07/2018           | 95.21519          | 0.13405                          | 0.12881              | 0.26286                  | 3.82307          |                                |                    | 39.6086403                  | 51.4248953              |                                 |                          |                     |
| 02:00:00 | 04/07/2018           | 95.24047          | 0.12985                          | 0.12867              | 0.25852                  | 3.82339          |                                |                    | 39.5949191                  | 51.4204697              |                                 |                          |                     |
| 03:00:00 | 04/07/2018           | 94.96091          | 0.12898                          | 0.12845              | 0.25743                  | 4.1185           |                                |                    | 39.6681738                  | 51.4618217              |                                 |                          |                     |
| 04:00:00 | 04/07/2018           | 94.09527          | 0.12861                          | 0.12691              | 0.25552                  | 4.98735          |                                |                    | 39.9151244                  | 51.5993439              |                                 |                          |                     |
| 05:00:00 | 04/07/2018           | 95.00526          | 0.12705                          | 0.13027              | 0.25732                  | 4.10512          |                                |                    | 39.6391816                  | 51.4465309              |                                 |                          |                     |
| 06:00:00 | 04/07/2018           | 95.2551           | 0.12629                          | 0.12971              | 0.256                    | 3.85357          |                                |                    | 39.5681131                  | 51.4080079              |                                 |                          |                     |
| 07:00:00 | 04/07/2018           | 95.28833          | 0.12604                          | 0.12817              | 0.25421                  | 3.81614          |                                |                    | 39.5612981                  | 51.4051107              |                                 |                          |                     |
| 08:00:00 | 04/07/2018           | 95.26441          | 0.12539                          | 0.12824              | 0.25363                  | 3.84508          |                                |                    | 39.5658398                  | 51.4080899              |                                 |                          |                     |
| 09:00:00 | 04/07/2018           | 95.26885          | 0.12872                          | 0.12845              | 0.25717                  | 3.83473          |                                |                    | 39.5639926                  | 51.4045742              |                                 |                          |                     |
| 10:00:00 | 04/07/2018           | 95.28429          | 0.12651                          | 0.12664              | 0.25315                  | 3.83813          |                                |                    | 39.5549779                  | 51.4020999              |                                 |                          |                     |
| 11:00:00 | 04/07/2018           | 95.34632          | 0.12592                          | 0.12728              | 0.2532                   | 3.77279          |                                |                    | 39.5378102                  | 51.3927081              |                                 |                          |                     |
| 12:00:00 | 04/07/2018           | 95.44996          | 0.13086                          | 0.12695              | 0.25781                  | 3.66519          |                                |                    | 39.5075576                  | 51.3725551              |                                 |                          |                     |
| 13:00:00 | 04/07/2018           | 95.48736          | 0.13065                          | 0.12599              | 0.25664                  | 3.62017          |                                |                    | 39.5099041                  | 51.3742835              |                                 |                          |                     |
| 14:00:00 | 04/07/2018           | 95.49599          | 0.12737                          | 0.12584              | 0.25321                  | 3.63423          |                                |                    | 39.4974109                  | 51.369931               |                                 |                          |                     |
| 15:00:00 | 04/07/2018           | 94.86659          | 0.13026                          | 0.12526              | 0.25552                  | 4.21152          |                                |                    | 39.6955618                  | 51.4775444              |                                 |                          |                     |
| 16:00:00 | 04/07/2018           | 93.72018          | 0.13248                          | 0.12484              | 0.25732                  | 5.31697          |                                |                    | 40.0430912                  | 51.6678844              |                                 |                          |                     |
| 17:00:00 | 04/07/2018           | 94.71597          | 0.13266                          | 0.13145              | 0.26411                  | 4.32842          |                                |                    | 39.7438347                  | 51.4995484              |                                 |                          |                     |
| 18:00:00 | 04/07/2018           | 95.17873          | 0.12686                          | 0.13255              | 0.25941                  | 3.86436          |                                |                    | 39.6192776                  | 51.4341734              |                                 |                          |                     |
| 19:00:00 | 04/07/2018           | 95.15381          | 0.1266                           | 0.12946              | 0.25606                  | 3.89422          |                                |                    | 39.6320873                  | 51.4428423              |                                 |                          |                     |
| 20:00:00 | 04/07/2018           | 95.12621          | 0.12576                          | 0.12686              | 0.25262                  | 3.94324          |                                |                    | 39.6311156                  | 51.4442655              |                                 |                          |                     |
| 21:00:00 | 04/07/2018           | 95.22323          | 0.13195                          | 0.11718              | 0.24913                  | 3.93194          |                                |                    | 39.5703999                  | 51.4112781              |                                 |                          |                     |
| 22:00:00 | 04/07/2018           | 95.17734          | 0.13102                          | 0.12148              | 0.2525                   | 3.94217          |                                |                    | 39.5952855                  | 51.4235081              |                                 |                          |                     |
| 23:00:00 | 04/07/2018           | 95.13609          | 0.12969                          | 0.1309               | 0.26059                  | 3.91866          |                                |                    | 39.6213673                  | 51.4342278              |                                 |                          |                     |
|          | Mínimo               | 93.72018          | 0.12539                          | 0.11718              | 0.24913                  | 3.62017          | 270.2358                       | 1.74900936         | 39.4974109                  | 51.369931               | 0.13764709                      | 0                        | 0                   |
|          | Promedio             | 95.08785          | 0.1289                           | 0.12774542           | 0.25664542               | 3.998425         | 270.2358                       | 1.74900936         | 39.6279827                  | 51.4400094              | 0                               | 0                        | 0                   |
|          | Máximo               | 95.49599          | 0.13405                          | 0.13553              | 0.26556                  | 5.31697          | 270.2358                       | 1.74900936         | 40.0430912                  | 51.6678844              | 0.13764709                      | 0                        | 0                   |
|          | Desv. Est.           | 0.40898413        | 0.00251891                       | 0.0036098            | 0.00388846               |                  | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 05/07/2018           | 95.1889           | 0.13203                          | 0.13267              | 0.2647                   | 3.84769          | 270.3182                       | 1.80192525         | 39.6123343                  | 51.4266144              | 0                               |                          |                     |
| 01:00:00 | 05/07/2018           | 95.32378          | 0.12967                          | 0.13128              | 0.26095                  | 3.73856          |                                |                    | 39.5626455                  | 51.4015995              |                                 |                          |                     |
| 02:00:00 | 05/07/2018           | 95.37686          | 0.13099                          | 0.12977              | 0.26076                  | 3.72313          |                                |                    | 39.5297896                  | 51.3834163              |                                 |                          |                     |
| 03:00:00 | 05/07/2018           | 95.40548          | 0.13187                          | 0.12745              | 0.25932                  | 3.73728          |                                |                    | 39.5058437                  | 51.370836               |                                 |                          |                     |
| 04:00:00 | 05/07/2018           | 95.42207          | 0.1325                           | 0.12715              | 0.25965                  | 3.71716          |                                |                    | 39.5012787                  | 51.3679932              |                                 |                          |                     |
| 05:00:00 | 05/07/2018           | 95.3898           | 0.13134                          | 0.128                | 0.25934                  | 3.73213          |                                |                    | 39.5176723                  | 51.3774035              |                                 |                          |                     |
| 06:00:00 | 05/07/2018           | 95.45074          | 0.13024                          | 0.12737              | 0.25761                  | 3.67736          |                                |                    | 39.49852                    | 51.3679071              |                                 |                          |                     |
| 07:00:00 | 05/07/2018           | 95.45003          | 0.12946                          | 0.12685              | 0.25631                  | 3.69802          |                                |                    | 39.4890285                  | 51.3635862              |                                 |                          |                     |
| 08:00:00 | 05/07/2018           | 95.38461          | 0.1302                           | 0.12794              | 0.25814                  | 3.77044          |                                |                    | 39.5024017                  | 51.3700219              |                                 |                          |                     |
| 09:00:00 | 05/07/2018           | 95.29257          | 0.13388                          | 0.12783              | 0.26171                  | 3.84606          |                                |                    | 39.5318474                  | 51.3837028              |                                 |                          |                     |
| 10:00:00 | 05/07/2018           | 95.28523          | 0.13193                          | 0.12659              | 0.25852                  | 3.87058          |                                |                    | 39.5301245                  | 51.3847896              |                                 |                          |                     |
| 11:00:00 | 05/07/2018           | 95.73331          | 0.1348                           | 0.12822              | 0.26302                  | 3.43826          |                                |                    | 39.3891967                  | 51.3039873              |                                 |                          |                     |
| 12:00:00 | 05/07/2018           | 95.67353          | 0.13721                          | 0.12841              | 0.26562                  | 3.47911          |                                |                    | 39.4186609                  | 51.3183322              |                                 |                          |                     |
| 13:00:00 | 05/07/2018           | 95.64275          | 0.13609                          | 0.12693              | 0.26302                  | 3.50906          |                                |                    | 39.4279324                  | 51.3249817              |                                 |                          |                     |
| 14:00:00 | 05/07/2018           | 95.50703          | 0.13435                          | 0.12691              | 0.26126                  | 3.64626          |                                |                    | 39.4689045                  | 51.3489366              |                                 |                          |                     |
| 15:00:00 | 05/07/2018           | 95.48038          | 0.1323                           | 0.12605              | 0.25835                  | 3.66763          |                                |                    | 39.4834052                  | 51.358765               |                                 |                          |                     |
| 16:00:00 | 05/07/2018           | 95.41453          | 0.12868                          | 0.12553              | 0.25421                  | 3.73565          |                                |                    | 39.5045556                  | 51.3733103              |                                 |                          |                     |
| 17:00:00 | 05/07/2018           | 95.37043          | 0.12789                          | 0.12596              | 0.25385                  | 3.75883          |                                |                    | 39.5235431                  | 51.3841212              |                                 |                          |                     |
| 18:00:00 | 05/07/2018           | 95.25385          | 0.13288                          | 0.12547              | 0.25835                  | 3.86285          |                                |                    | 39.556197                   | 51.3988524              |                                 |                          |                     |
| 19:00:00 | 05/07/2018           | 95.08768          | 0.13522                          | 0.12488              | 0.2601                   | 4.00586          |                                |                    | 39.6113446                  | 51.4278879              |                                 |                          |                     |
| 20:00:00 | 05/07/2018           | 95.03348          | 0.13243                          | 0.12479              | 0.25722                  | 4.05941          |                                |                    | 39.6287736                  | 51.4395628              |                                 |                          |                     |
| 21:00:00 | 05/07/2018           | 94.98425          | 0.13444                          | 0.12428              | 0.25872                  | 4.09369          |                                |                    | 39.651368                   | 51.4507422              |                                 |                          |                     |
| 22:00:00 | 05/07/2018           | 95.59214          | 0.13916                          | 0.12714              | 0.2663                   | 3.52562          |                                |                    | 39.4564065                  | 51.3382621              |                                 |                          |                     |
| 23:00:00 | 05/07/2018           | 95.67779          | 0.14137                          | 0.1278               | 0.26917                  | 3.43609          |                                |                    | 39.4306592                  | 51.3220934              |                                 |                          |                     |
|          | Mínimo               | 94.98425          | 0.12789                          | 0.12428              | 0.25385                  | 3.43609          | 270.3182                       | 1.80192525         | 39.3891967                  | 51.3039873              | 0                               | 0                        | 0                   |
|          | Promedio             | 95.3925508        | 0.13295542                       | 0.12730292           | 0.26025833               | 3.73236375       | 270.3182                       | 1.80192525         | 39.5138514                  | 51.3744877              | 0                               | 0                        | 0                   |
|          | Máximo               | 95.73331          | 0.14137                          | 0.13267              | 0.26917                  | 4.09369          | 270.3182                       | 1.80192525         | 39.651368                   | 51.4507422              | 0                               | 0                        | 0                   |
|          | Desv. Est.           | 0.19607481        | 0.00325146                       | 0.00193901           | 0.00368458               |                  | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |



| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 07/07/2018           | 95.41456          | 0.1206                           | 0.13024              | 0.25084                  | 3.62515          | 270.3265                       | 1.53456076         | 39.5608948                  | 51.407303               | 0.07647061                      |                          |                     |
| 01:00:00 | 07/07/2018           | 95.45663          | 0.11824                          | 0.13049              | 0.24873                  | 3.59403          |                                |                    | 39.5454774                  | 51.4003942              |                                 |                          |                     |
| 02:00:00 | 07/07/2018           | 95.49673          | 0.11777                          | 0.12966              | 0.24743                  | 3.57538          |                                |                    | 39.5270628                  | 51.3910296              |                                 |                          |                     |
| 03:00:00 | 07/07/2018           | 95.59612          | 0.11799                          | 0.12916              | 0.24715                  | 3.50628          |                                |                    | 39.4852339                  | 51.3681161              |                                 |                          |                     |
| 04:00:00 | 07/07/2018           | 95.61238          | 0.11945                          | 0.12883              | 0.24828                  | 3.49779          |                                |                    | 39.4767186                  | 51.3625538              |                                 |                          |                     |
| 05:00:00 | 07/07/2018           | 95.57528          | 0.1195                           | 0.12955              | 0.24905                  | 3.52728          |                                |                    | 39.4896014                  | 51.3692804              |                                 |                          |                     |
| 06:00:00 | 07/07/2018           | 95.5562           | 0.12042                          | 0.13054              | 0.25096                  | 3.53293          |                                |                    | 39.50198                    | 51.3749247              |                                 |                          |                     |
| 07:00:00 | 07/07/2018           | 95.53651          | 0.12287                          | 0.13182              | 0.25469                  | 3.56107          |                                |                    | 39.4967783                  | 51.3698035              |                                 |                          |                     |
| 08:00:00 | 07/07/2018           | 95.50671          | 0.12351                          | 0.132                | 0.25551                  | 3.60059          |                                |                    | 39.5000462                  | 51.3711497              |                                 |                          |                     |
| 09:00:00 | 07/07/2018           | 95.34383          | 0.12518                          | 0.13029              | 0.25547                  | 3.74986          |                                |                    | 39.5518156                  | 51.3993755              |                                 |                          |                     |
| 10:00:00 | 07/07/2018           | 95.32439          | 0.12438                          | 0.13056              | 0.25494                  | 3.77149          |                                |                    | 39.557077                   | 51.4027411              |                                 |                          |                     |
| 11:00:00 | 07/07/2018           | 95.36927          | 0.12273                          | 0.13044              | 0.25317                  | 3.72523          |                                |                    | 39.5482549                  | 51.3990391              |                                 |                          |                     |
| 12:00:00 | 07/07/2018           | 95.60928          | 0.11711                          | 0.1325               | 0.24961                  | 3.49296          |                                |                    | 39.4818516                  | 51.3652871              |                                 |                          |                     |
| 13:00:00 | 07/07/2018           | 95.53182          | 0.1223                           | 0.13099              | 0.25329                  | 3.55087          |                                |                    | 39.509808                   | 51.3776762              |                                 |                          |                     |
| 14:00:00 | 07/07/2018           | 95.53443          | 0.12449                          | 0.12975              | 0.25424                  | 3.53755          |                                |                    | 39.5160545                  | 51.3800459              |                                 |                          |                     |
| 15:00:00 | 07/07/2018           | 95.56976          | 0.1262                           | 0.12809              | 0.25429                  | 3.51602          |                                |                    | 39.5011507                  | 51.3714228              |                                 |                          |                     |
| 16:00:00 | 07/07/2018           | 95.56298          | 0.12523                          | 0.12501              | 0.25024                  | 3.53332          |                                |                    | 39.5033594                  | 51.3748066              |                                 |                          |                     |
| 17:00:00 | 07/07/2018           | 95.46072          | 0.12562                          | 0.12808              | 0.2537                   | 3.60616          |                                |                    | 39.5400467                  | 51.3932946              |                                 |                          |                     |
| 18:00:00 | 07/07/2018           | 95.43465          | 0.12907                          | 0.1288               | 0.25787                  | 3.61299          |                                |                    | 39.5525856                  | 51.3973423              |                                 |                          |                     |
| 19:00:00 | 07/07/2018           | 95.30981          | 0.12812                          | 0.13047              | 0.25859                  | 3.67394          |                                |                    | 39.6166056                  | 51.4322769              |                                 |                          |                     |
| 20:00:00 | 07/07/2018           | 95.26949          | 0.12469                          | 0.12953              | 0.25422                  | 3.70416          |                                |                    | 39.6366474                  | 51.4461668              |                                 |                          |                     |
| 21:00:00 | 07/07/2018           | 95.29239          | 0.12123                          | 0.1298               | 0.25103                  | 3.69852          |                                |                    | 39.625451                   | 51.4423963              |                                 |                          |                     |
| 22:00:00 | 07/07/2018           | 95.24429          | 0.12627                          | 0.13165              | 0.25792                  | 3.72931          |                                |                    | 39.6396629                  | 51.445744               |                                 |                          |                     |
| 23:00:00 | 07/07/2018           | 95.20532          | 0.1257                           | 0.13285              | 0.25855                  | 3.76509          |                                |                    | 39.6477518                  | 51.4501099              |                                 |                          |                     |
|          | Mínimo               | 95.20532          | 0.11711                          | 0.12501              | 0.24715                  | 3.49296          | 270.3265                       | 1.53456076         | 39.4767186                  | 51.3625538              | 0.07647061                      |                          | 0                   |
|          | Promedio             | 95.4505646        | 0.12286125                       | 0.13004583           | 0.25290708               | 3.61199875       | 270.3265                       | 1.53456076         | 39.5421632                  | 51.3955117              | 0                               |                          | 0                   |
|          | Máximo               | 95.61238          | 0.12907                          | 0.13285              | 0.25859                  | 3.77149          | 270.3265                       | 1.53456076         | 39.6477518                  | 51.4501099              | 0.07647061                      |                          | 0                   |
|          | Desv. Est.           | 0.126551          | 0.00339715                       | 0.00165673           | 0.00353405               |                  | 0                              | 0                  | 0                           | 0                       | 0                               |                          | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 08/08/2018           | 95.1992           | 0.12407                          | 0.13191              | 0.25598                  | 3.7988           | 270.2465                       | 1.68356076         | 39.6373483                  | 51.4461396              | 0.22941182                      | 0                        | 0                   |
| 01:00:00 | 08/08/2018           | 95.06778          | 0.12667                          | 0.13353              | 0.2602                   | 3.91834          |                                |                    | 39.6758456                  | 51.4647871              |                                 |                          |                     |
| 02:00:00 | 08/08/2018           | 95.07368          | 0.12719                          | 0.13388              | 0.26107                  | 3.93443          |                                |                    | 39.6651534                  | 51.4584606              |                                 |                          |                     |
| 03:00:00 | 08/08/2018           | 95.1172           | 0.12483                          | 0.13383              | 0.25866                  | 3.90856          |                                |                    | 39.6469314                  | 51.4501784              |                                 |                          |                     |
| 04:00:00 | 08/08/2018           | 95.18653          | 0.12475                          | 0.13438              | 0.25913                  | 3.84303          |                                |                    | 39.62546                    | 51.4381119              |                                 |                          |                     |
| 05:00:00 | 08/08/2018           | 95.38062          | 0.12398                          | 0.13577              | 0.25975                  | 3.64909          |                                |                    | 39.574607                   | 51.4097769              |                                 |                          |                     |
| 06:00:00 | 08/08/2018           | 95.26026          | 0.13231                          | 0.13632              | 0.26863                  | 3.75445          |                                |                    | 39.6036083                  | 51.4196694              |                                 |                          |                     |
| 07:00:00 | 08/08/2018           | 95.21033          | 0.13218                          | 0.13523              | 0.26741                  | 3.79311          |                                |                    | 39.6217938                  | 51.4302985              |                                 |                          |                     |
| 08:00:00 | 08/08/2018           | 95.24818          | 0.13385                          | 0.13524              | 0.26909                  | 3.73541          |                                |                    | 39.6166101                  | 51.4261367              |                                 |                          |                     |
| 09:00:00 | 08/08/2018           | 95.17341          | 0.13649                          | 0.13776              | 0.27425                  | 3.79191          |                                |                    | 39.6410697                  | 51.4365385              |                                 |                          |                     |
| 10:00:00 | 08/08/2018           | 95.04652          | 0.13486                          | 0.13596              | 0.27082                  | 3.92098          |                                |                    | 39.6794982                  | 51.4598112              |                                 |                          |                     |
| 11:00:00 | 08/08/2018           | 95.00952          | 0.13403                          | 0.13642              | 0.27045                  | 3.95712          |                                |                    | 39.691153                   | 51.4666243              |                                 |                          |                     |
| 12:00:00 | 08/08/2018           | 94.86627          | 0.14542                          | 0.14086              | 0.28628                  | 4.00076          |                                |                    | 39.7775932                  | 51.5035552              |                                 |                          |                     |
| 13:00:00 | 08/08/2018           | 94.74548          | 0.15497                          | 0.14306              | 0.29803                  | 4.06649          |                                |                    | 39.8435745                  | 51.5317538              |                                 |                          |                     |
| 14:00:00 | 08/08/2018           | 94.77505          | 0.1479                           | 0.14114              | 0.28904                  | 4.07205          |                                |                    | 39.8177769                  | 51.52369                |                                 |                          |                     |
| 15:00:00 | 08/08/2018           | 94.85301          | 0.14019                          | 0.13984              | 0.28003                  | 4.03069          |                                |                    | 39.7815436                  | 51.5099681              |                                 |                          |                     |
| 16:00:00 | 08/08/2018           | 94.71785          | 0.13504                          | 0.16136              | 0.2964                   | 4.05831          |                                |                    | 39.8499221                  | 51.5408639              |                                 |                          |                     |
| 17:00:00 | 08/08/2018           | 94.70327          | 0.13488                          | 0.17916              | 0.31404                  | 3.986            |                                |                    | 39.8744319                  | 51.5458211              |                                 |                          |                     |
| 18:00:00 | 08/08/2018           | 94.85324          | 0.13699                          | 0.18063              | 0.31762                  | 3.8426           |                                |                    | 39.8233405                  | 51.515476               |                                 |                          |                     |
| 19:00:00 | 08/08/2018           | 94.89554          | 0.13945                          | 0.17316              | 0.31261                  | 3.84536          |                                |                    | 39.7933448                  | 51.5009128              |                                 |                          |                     |
| 20:00:00 | 08/08/2018           | 94.94613          | 0.13919                          | 0.17233              | 0.31152                  | 3.81728          |                                |                    | 39.7684546                  | 51.4878597              |                                 |                          |                     |
| 21:00:00 | 08/08/2018           | 94.84314          | 0.14153                          | 0.16964              | 0.31117                  | 3.86013          |                                |                    | 39.8227492                  | 51.5171452              |                                 |                          |                     |
| 22:00:00 | 08/08/2018           | 94.79391          | 0.14306                          | 0.16938              | 0.31244                  | 3.8832           |                                |                    | 39.845142                   | 51.5284427              |                                 |                          |                     |
| 23:00:00 | 08/08/2018           | 94.84539          | 0.14273                          | 0.16795              | 0.31068                  | 3.85021          |                                |                    | 39.8241703                  | 51.5178363              |                                 |                          |                     |
|          | Mínimo               | 94.70327          | 0.12398                          | 0.13191              | 0.25598                  | 3.64909          | 270.2465                       | 1.68356076         | 39.574607                   | 51.4097769              | 0.22941182                      | 0                        | 0                   |
|          | Promedio             | 94.9921463        | 0.13569                          | 0.14828083           | 0.28397083               | 3.88826292       | 270.2465                       | 1.68356076         | 39.7292134                  | 51.4804108              | 0                               |                          | 0                   |
|          | Máximo               | 95.38062          | 0.15497                          | 0.18063              | 0.31762                  | 4.07205          | 270.2465                       | 1.68356076         | 39.8744319                  | 51.5458211              | 0.22941182                      |                          | 0                   |
|          | Desv. Est.           | 0.19741612        | 0.00806889                       | 0.01744482           | 0.02204401               |                  | 0                              | 0                  | 0                           | 0                       | 0                               |                          | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 09/07/2018           | 94.89226          | 0.17005                          | 0.16655              | 0.3366                   | 3.77516          | 270.3361                       | 1.91193459         | 39.794509                   | 51.4828023              | 0                               |                          |                     |
| 01:00:00 | 09/07/2018           | 94.83459          | 0.1516                           | 0.16968              | 0.32128                  | 3.80625          |                                |                    | 39.8480201                  | 51.5236036              |                                 |                          |                     |
| 02:00:00 | 09/07/2018           | 94.81609          | 0.14309                          | 0.17067              | 0.31376                  | 3.8177           |                                |                    | 39.8575345                  | 51.5343962              |                                 |                          |                     |
| 03:00:00 | 09/07/2018           | 94.75442          | 0.15933                          | 0.1683               | 0.32763                  | 3.83029          |                                |                    | 39.8726538                  | 51.5323131              |                                 |                          |                     |
| 04:00:00 | 09/07/2018           | 94.88005          | 0.14266                          | 0.16632              | 0.30898                  | 3.87269          |                                |                    | 39.7892934                  | 51.4997213              |                                 |                          |                     |
| 05:00:00 | 09/07/2018           | 94.82382          | 0.14226                          | 0.16715              | 0.30941                  | 3.91931          |                                |                    | 39.8063192                  | 51.5090176              |                                 |                          |                     |
| 06:00:00 | 09/07/2018           | 94.88264          | 0.13854                          | 0.16685              | 0.30539                  | 3.90241          |                                |                    | 39.774385                   | 51.4943725              |                                 |                          |                     |
| 07:00:00 | 09/07/2018           | 94.91889          | 0.13971                          | 0.16645              | 0.30616                  | 3.87643          |                                |                    | 39.7597924                  | 51.4857129              |                                 |                          |                     |
| 08:00:00 | 09/07/2018           | 94.71249          | 0.13279                          | 0.16337              | 0.29616                  | 4.12599          |                                |                    | 39.8061315                  | 51.5179272              |                                 |                          |                     |
| 09:00:00 | 09/07/2018           | 94.62912          | 0.132                            | 0.16297              | 0.29497                  | 4.22951          |                                |                    | 39.8243903                  | 51.5288566              |                                 |                          |                     |
| 10:00:00 | 09/07/2018           | 94.60471          | 0.12922                          | 0.16587              | 0.29509                  | 4.2532           |                                |                    | 39.8329327                  | 51.5341872              |                                 |                          |                     |
| 11:00:00 | 09/07/2018           | 94.58186          | 0.13472                          | 0.16796              | 0.30268                  | 4.26203          |                                |                    | 39.8406187                  | 51.5335001              |                                 |                          |                     |
| 12:00:00 | 09/07/2018           | 94.66304          | 0.12775                          | 0.1637               | 0.29145                  | 4.24205          |                                |                    | 39.8022588                  | 51.5195148              |                                 |                          |                     |
| 13:00:00 | 09/07/2018           | 94.78607          | 0.12342                          | 0.16204              | 0.28546                  | 4.12468          |                                |                    | 39.7657                     | 51.5031867              |                                 |                          |                     |
| 14:00:00 | 09/07/2018           | 94.99706          | 0.13513                          | 0.16313              | 0.29826                  | 3.87484          |                                |                    | 39.7111395                  | 51.4640091              |                                 |                          |                     |
| 15:00:00 | 09/07/2018           | 95.27647          | 0.13338                          | 0.13773              | 0.27111                  | 3.76257          |                                |                    | 39.588567                   | 51.41005                |                                 |                          |                     |
| 16:00:00 | 09/07/2018           | 95.24948          | 0.13228                          | 0.14525              | 0.27753                  | 3.71865          |                                |                    | 39.6180492                  | 51.4232943              |                                 |                          |                     |
| 17:00:00 | 09/07/2018           | 95.22312          | 0.14737                          | 0.14696              | 0.29433                  | 3.68884          |                                |                    | 39.6324905                  | 51.4195558              |                                 |                          |                     |
| 18:00:00 | 09/07/2018           | 95.20045          | 0.15773                          | 0.15716              | 0.31489                  | 3.65112          |                                |                    | 39.6396629                  | 51.4112371              |                                 |                          |                     |
| 19:00:00 | 09/07/2018           | 95.15965          | 0.15867                          | 0.15867              | 0.31734                  | 3.67018          |                                |                    | 39.6575733                  | 51.4196828              |                                 |                          |                     |
| 20:00:00 | 09/07/2018           | 95.19018          | 0.13287                          | 0.15857              | 0.29144                  | 3.67931          |                                |                    | 39.6586549                  | 51.4386943              |                                 |                          |                     |
| 21:00:00 | 09/07/2018           | 95.1945           | 0.13208                          | 0.15867              | 0.29075                  | 3.67799          |                                |                    | 39.6622434                  | 51.4411366              |                                 |                          |                     |
| 22:00:00 | 09/07/2018           | 95.24015          | 0.13076                          | 0.15938              | 0.29014                  | 3.65465          |                                |                    | 39.6351576                  | 51.4269419              |                                 |                          |                     |
| 23:00:00 | 09/07/2018           | 95.25191          | 0.12896                          | 0.15795              | 0.28691                  | 3.66357          |                                |                    |                             | 51.4233215              |                                 |                          |                     |
|          | Mínimo               | 94.58186          | 0.12342                          | 0.13773              | 0.27111                  | 3.65112          | 270.3361                       | 1.91193459         | 39.588567                   | 51.41005                | 0                               | 0                        | 0                   |
|          | Promedio             | 94.9484592        | 0.13984875                       | 0.16130625           | 0.301155                 | 3.87830917       | 270.3361                       | 1.91193459         | 39.7468729                  | 51.4782098              | 0                               | 0                        | 0                   |
|          | Máximo               | 95.27647          | 0.17005                          | 0.17067              | 0.3366                   | 4.26203          | 270.3361                       | 1.91193459         | 39.8726538                  | 51.5343962              | 0                               | 0                        | 0                   |
|          | Desv. Est.           | 0.23728606        | 0.0119507                        | 0.0080903            | 0.01564508               |                  | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |







| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 12/07/2018           | 95.09473          | 0.10098                          | 0.15767              | 0.25865                  | 3.92888          | 270.2415                       | 1.70584113         | 39.6532606                  | 51.4595065              | 0.13764709                      |                          |                     |
| 01:00:00 | 12/07/2018           | 95.20977          | 0.10378                          | 0.15598              | 0.25976                  | 3.82464          |                                |                    | 39.6144423                  | 51.4368888              |                                 |                          |                     |
| 02:00:00 | 12/07/2018           | 95.21693          | 0.10224                          | 0.15549              | 0.25773                  | 3.82643          |                                |                    | 39.6094835                  | 51.4355288              |                                 |                          |                     |
| 03:00:00 | 12/07/2018           | 95.20805          | 0.10032                          | 0.15603              | 0.25635                  | 3.83585          |                                |                    | 39.6137046                  | 51.4389536              |                                 |                          |                     |
| 04:00:00 | 12/07/2018           | 95.17366          | 0.10048                          | 0.15617              | 0.25665                  | 3.86799          |                                |                    | 39.6254052                  | 51.4452298              |                                 |                          |                     |
| 05:00:00 | 12/07/2018           | 95.14383          | 0.10018                          | 0.15595              | 0.25613                  | 3.90218          |                                |                    | 39.6308404                  | 51.4486002              |                                 |                          |                     |
| 06:00:00 | 12/07/2018           | 95.22222          | 0.10165                          | 0.15714              | 0.25879                  | 3.8298           |                                |                    | 39.6023479                  | 51.4312944              |                                 |                          |                     |
| 07:00:00 | 12/07/2018           | 95.17961          | 0.10025                          | 0.15697              | 0.25722                  | 3.86836          |                                |                    | 39.6189705                  | 51.4415278              |                                 |                          |                     |
| 08:00:00 | 12/07/2018           | 95.16095          | 0.0984                           | 0.15514              | 0.25354                  | 3.90517          |                                |                    | 39.6185628                  | 51.4435744              |                                 |                          |                     |
| 09:00:00 | 12/07/2018           | 95.1478           | 0.10061                          | 0.15531              | 0.25592                  | 3.90721          |                                |                    | 39.6234067                  | 51.4445703              |                                 |                          |                     |
| 10:00:00 | 12/07/2018           | 95.14067          | 0.10293                          | 0.15622              | 0.25915                  | 3.91788          |                                |                    | 39.6207028                  | 51.4410412              |                                 |                          |                     |
| 11:00:00 | 12/07/2018           | 95.13349          | 0.10118                          | 0.15719              | 0.25837                  | 3.92047          |                                |                    | 39.6261339                  | 51.444798               |                                 |                          |                     |
| 12:00:00 | 12/07/2018           | 95.05273          | 0.10083                          | 0.15478              | 0.25561                  | 4.00136          |                                |                    | 39.6542048                  | 51.4616578              |                                 |                          |                     |
| 13:00:00 | 12/07/2018           | 95.14529          | 0.09972                          | 0.15309              | 0.25281                  | 3.92469          |                                |                    | 39.6252539                  | 51.4472764              |                                 |                          |                     |
| 14:00:00 | 12/07/2018           | 95.1904           | 0.09843                          | 0.15272              | 0.25115                  | 3.88147          |                                |                    | 39.6136543                  | 51.4419417              |                                 |                          |                     |
| 15:00:00 | 12/07/2018           | 95.13918          | 0.10056                          | 0.15413              | 0.25469                  | 3.895            |                                |                    | 39.6424629                  | 51.4554952              |                                 |                          |                     |
| 16:00:00 | 12/07/2018           | 95.12695          | 0.10315                          | 0.15277              | 0.25592                  | 3.89751          |                                |                    | 39.6478802                  | 51.457246               |                                 |                          |                     |
| 17:00:00 | 12/07/2018           | 95.01643          | 0.1011                           | 0.15269              | 0.25379                  | 4.01702          |                                |                    | 39.678105                   | 51.4754888              |                                 |                          |                     |
| 18:00:00 | 12/07/2018           | 95.13511          | 0.1091                           | 0.15173              | 0.26083                  | 3.92183          |                                |                    | 39.6302675                  | 51.4439336              |                                 |                          |                     |
| 19:00:00 | 12/07/2018           | 95.01331          | 0.11193                          | 0.15308              | 0.26501                  | 4.01314          |                                |                    | 39.6721471                  | 51.4643366              |                                 |                          |                     |
| 20:00:00 | 12/07/2018           | 94.92731          | 0.10211                          | 0.15612              | 0.25823                  | 4.07571          |                                |                    | 39.7131237                  | 51.4923669              |                                 |                          |                     |
| 21:00:00 | 12/07/2018           | 94.91861          | 0.1021                           | 0.15119              | 0.25329                  | 4.09163          |                                |                    | 39.720232                   | 51.498598               |                                 |                          |                     |
| 22:00:00 | 12/07/2018           | 95.09129          | 0.10553                          | 0.12437              | 0.2299                   | 4.06185          |                                |                    | 39.6353915                  | 51.4624536              |                                 |                          |                     |
| 23:00:00 | 12/07/2018           | 95.12466          | 0.10554                          | 0.12063              | 0.22617                  | 4.06727          |                                |                    | 39.6067522                  | 51.4486501              |                                 |                          |                     |
|          | Mínimo               | 94.91861          | 0.0984                           | 0.12063              | 0.22617                  | 3.82464          | 270.2415                       | 1.70584113         | 39.6023479                  | 51.4312944              | 0.13764709                      | 0                        | 0                   |
|          | Promedio             | 95.1213742        | 0.1022125                        | 0.15219              | 0.2544025                | 3.93263917       | 270.2415                       | 1.70584113         | 39.637364                   | 51.4525399              | 0                               | 0                        | 0                   |
|          | Máximo               | 95.22222          | 0.11193                          | 0.15767              | 0.26501                  | 4.09163          | 270.2415                       | 1.70584113         | 39.720232                   | 51.498598               | 0.13764709                      | 0                        | 0                   |
|          | Desv. Est.           | 0.08280858        | 0.00315395                       | 0.00934047           | 0.00865438               |                  | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |



| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 14/07/2018           | 94.7129           | 0.09991                          | 0.17339              | 0.2733                   | 4.17602          | 270.2845                       | 1.80610282         | 39.8044998                  | 51.5358515              | 0.33647067                      |                          |                     |
| 01:00:00 | 14/07/2018           | 94.87905          | 0.10395                          | 0.17484              | 0.27879                  | 4.01689          |                                |                    | 39.7486513                  | 51.5015179              |                                 |                          |                     |
| 02:00:00 | 14/07/2018           | 94.90437          | 0.09765                          | 0.17317              | 0.27082                  | 4.03714          |                                |                    | 39.7304154                  | 51.4968967              |                                 |                          |                     |
| 03:00:00 | 14/07/2018           | 94.90144          | 0.10663                          | 0.17188              | 0.27851                  | 4.05619          |                                |                    | 39.7141183                  | 51.4822881              |                                 |                          |                     |
| 04:00:00 | 14/07/2018           | 94.94427          | 0.10333                          | 0.173                | 0.27633                  | 4.01605          |                                |                    | 39.7041871                  | 51.4785995              |                                 |                          |                     |
| 05:00:00 | 14/07/2018           | 94.89404          | 0.10385                          | 0.17438              | 0.27823                  | 4.03891          |                                |                    | 39.7302232                  | 51.4918166              |                                 |                          |                     |
| 06:00:00 | 14/07/2018           | 94.8427           | 0.10554                          | 0.17807              | 0.28361                  | 4.06249          |                                |                    | 39.74872                    | 51.4990208              |                                 |                          |                     |
| 07:00:00 | 14/07/2018           | 94.92788          | 0.10671                          | 0.18476              | 0.29147                  | 3.96737          |                                |                    | 39.71976                    | 51.4790544              |                                 |                          |                     |
| 08:00:00 | 14/07/2018           | 94.7039           | 0.1063                           | 0.18418              | 0.29048                  | 4.18464          |                                |                    | 39.7878727                  | 51.5172361              |                                 |                          |                     |
| 09:00:00 | 14/07/2018           | 94.82312          | 0.1038                           | 0.15651              | 0.26031                  | 4.21795          |                                |                    | 39.7189536                  | 51.4945182              |                                 |                          |                     |
| 10:00:00 | 14/07/2018           | 94.9571           | 0.10165                          | 0.14592              | 0.24757                  | 4.15859          |                                |                    | 39.6604604                  | 51.4690304              |                                 |                          |                     |
| 11:00:00 | 14/07/2018           | 95.16698          | 0.10488                          | 0.14688              | 0.25176                  | 3.94684          |                                |                    | 39.5981546                  | 51.4318082              |                                 |                          |                     |
| 12:00:00 | 14/07/2018           | 95.18965          | 0.1031                           | 0.14699              | 0.25009                  | 3.93294          |                                |                    | 39.5910693                  | 51.4291342              |                                 |                          |                     |
| 13:00:00 | 14/07/2018           | 94.98882          | 0.0993                           | 0.14663              | 0.24593                  | 4.1285           |                                |                    | 39.6563771                  | 51.4680662              |                                 |                          |                     |
| 14:00:00 | 14/07/2018           | 95.35511          | 0.10243                          | 0.14691              | 0.24934                  | 3.76282          |                                |                    | 39.549043                   | 51.4063022              |                                 |                          |                     |
| 15:00:00 | 14/07/2018           | 95.19766          | 0.10798                          | 0.15558              | 0.26356                  | 3.84098          |                                |                    | 39.6165324                  | 51.4352423              |                                 |                          |                     |
| 16:00:00 | 14/07/2018           | 94.89577          | 0.11392                          | 0.17609              | 0.29001                  | 3.96491          |                                |                    | 39.7519465                  | 51.4954824              |                                 |                          |                     |
| 17:00:00 | 14/07/2018           | 94.81219          | 0.11776                          | 0.17591              | 0.29367                  | 4.01502          |                                |                    | 39.7913099                  | 51.5143799              |                                 |                          |                     |
| 18:00:00 | 14/07/2018           | 94.71016          | 0.1318                           | 0.17441              | 0.30621                  | 4.08184          |                                |                    | 39.8213608                  | 51.5216523              |                                 |                          |                     |
| 19:00:00 | 14/07/2018           | 94.86901          | 0.13597                          | 0.15393              | 0.2899                   | 4.04123          |                                |                    | 39.7390088                  | 51.483325               |                                 |                          |                     |
| 20:00:00 | 14/07/2018           | 95.13439          | 0.13161                          | 0.11457              | 0.24618                  | 4.00506          |                                |                    | 39.6079806                  | 51.4334003              |                                 |                          |                     |
| 21:00:00 | 14/07/2018           | 95.11082          | 0.12372                          | 0.11537              | 0.23909                  | 4.03797          |                                |                    | 39.62211                    | 51.4463941              |                                 |                          |                     |
| 22:00:00 | 14/07/2018           | 95.10929          | 0.12264                          | 0.11607              | 0.23871                  | 4.07383          |                                |                    | 39.6058587                  | 51.4380847              |                                 |                          |                     |
| 23:00:00 | 14/07/2018           | 95.02786          | 0.12246                          | 0.12069              | 0.24315                  | 4.15811          |                                |                    | 39.6216012                  | 51.4448296              |                                 |                          |                     |
|          | Mínimo               | 94.7039           | 0.09765                          | 0.11457              | 0.23871                  | 3.76282          | 270.2845                       | 1.80610282         | 39.549043                   | 51.4063022              | 0.33647067                      | 0                        | 0                   |
|          | Promedio             | 94.96077          | 0.11070375                       | 0.15750542           | 0.26820917               | 4.03842875       | 270.2845                       | 1.80610282         | 39.6933423                  | 51.4747472              | 0.33647067                      | 0                        | 0                   |
|          | Máximo               | 95.35511          | 0.13597                          | 0.18476              | 0.30621                  | 4.21795          | 270.2845                       | 1.80610282         | 39.8213608                  | 51.5358515              | 0.33647067                      | 0                        | 0                   |
|          | Desv. Est.           | 0.16985545        | 0.01136451                       | 0.02252883           | 0.02034713               |                  | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 15/07/2018           | 94.9096           | 0.12216                          | 0.11984              | 0.242                    | 4.23865          | 270.4125                       | 1.81167291         | 39.669819                   | 51.4719366              | 0.2141177                       |                          |                     |
| 01:00:00 | 15/07/2018           | 94.90961          | 0.12028                          | 0.11795              | 0.23823                  | 4.26317          |                                |                    | 39.6604285                  | 51.4691169              |                                 |                          |                     |
| 02:00:00 | 15/07/2018           | 94.83743          | 0.11842                          | 0.11903              | 0.23745                  | 4.33558          |                                |                    | 39.6816067                  | 51.4816469              |                                 |                          |                     |
| 03:00:00 | 15/07/2018           | 94.80828          | 0.11799                          | 0.1196               | 0.23759                  | 4.3739           |                                |                    | 39.6909927                  | 51.4868683              |                                 |                          |                     |
| 04:00:00 | 15/07/2018           | 94.57749          | 0.12073                          | 0.15069              | 0.27142                  | 4.43592          |                                |                    | 39.7906776                  | 51.5247996              |                                 |                          |                     |
| 05:00:00 | 15/07/2018           | 94.27203          | 0.12598                          | 0.18862              | 0.3146                   | 4.45446          |                                |                    | 39.9591169                  | 51.5950413              |                                 |                          |                     |
| 06:00:00 | 15/07/2018           | 94.12513          | 0.131                            | 0.19583              | 0.32683                  | 4.50105          |                                |                    | 40.0327107                  | 51.6282609              |                                 |                          |                     |
| 07:00:00 | 15/07/2018           | 94.10349          | 0.13221                          | 0.19793              | 0.33014                  | 4.50799          |                                |                    | 40.0400528                  | 51.6304532              |                                 |                          |                     |
| 08:00:00 | 15/07/2018           | 94.15659          | 0.13348                          | 0.19905              | 0.33253                  | 4.4928           |                                |                    | 40.0061704                  | 51.6105732              |                                 |                          |                     |
| 09:00:00 | 15/07/2018           | 94.21238          | 0.1291                           | 0.1983               | 0.3274                   | 4.44405          |                                |                    | 39.9928386                  | 51.606648               |                                 |                          |                     |
| 10:00:00 | 15/07/2018           | 94.13271          | 0.1274                           | 0.19877              | 0.32617                  | 4.52323          |                                |                    | 40.0195162                  | 51.6223208              |                                 |                          |                     |
| 11:00:00 | 15/07/2018           | 94.11032          | 0.12882                          | 0.19983              | 0.32865                  | 4.52838          |                                |                    | 40.0303916                  | 51.6267419              |                                 |                          |                     |
| 12:00:00 | 15/07/2018           | 94.07745          | 0.1262                           | 0.20251              | 0.32871                  | 4.54364          |                                |                    | 40.0490765                  | 51.6375256              |                                 |                          |                     |
| 13:00:00 | 15/07/2018           | 94.19926          | 0.12599                          | 0.20315              | 0.32914                  | 4.42773          |                                |                    | 40.0124399                  | 51.6171724              |                                 |                          |                     |
| 14:00:00 | 15/07/2018           | 94.28763          | 0.12522                          | 0.19827              | 0.32349                  | 4.36221          |                                |                    | 39.985492                   | 51.6051745              |                                 |                          |                     |
| 15:00:00 | 15/07/2018           | 94.46918          | 0.12535                          | 0.19506              | 0.32041                  | 4.21502          |                                |                    | 39.9230349                  | 51.5722414              |                                 |                          |                     |
| 16:00:00 | 15/07/2018           | 94.55562          | 0.12363                          | 0.1932               | 0.31683                  | 4.14309          |                                |                    | 39.9005276                  | 51.5618806              |                                 |                          |                     |
| 17:00:00 | 15/07/2018           | 94.70405          | 0.1261                           | 0.18994              | 0.31604                  | 4.021            |                                |                    | 39.8486204                  | 51.5331                 |                                 |                          |                     |
| 18:00:00 | 15/07/2018           | 94.70028          | 0.13057                          | 0.19221              | 0.32278                  | 3.99432          |                                |                    | 39.8524383                  | 51.5308943              |                                 |                          |                     |
| 19:00:00 | 15/07/2018           | 94.7962           | 0.1338                           | 0.17256              | 0.30636                  | 3.97958          |                                |                    | 39.8064247                  | 51.5126924              |                                 |                          |                     |
| 20:00:00 | 15/07/2018           | 94.96445          | 0.13441                          | 0.13505              | 0.26946                  | 3.99066          |                                |                    | 39.7195126                  | 51.4824882              |                                 |                          |                     |
| 21:00:00 | 15/07/2018           | 94.86118          | 0.13138                          | 0.13948              | 0.27086                  | 4.05539          |                                |                    | 39.7633261                  | 51.5065936              |                                 |                          |                     |
| 22:00:00 | 15/07/2018           | 94.85799          | 0.12995                          | 0.13581              | 0.26576                  | 4.09924          |                                |                    | 39.750489                   | 51.5024501              |                                 |                          |                     |
| 23:00:00 | 15/07/2018           | 94.87357          | 0.13187                          | 0.13336              | 0.26523                  | 4.12545          |                                |                    | 39.727817                   | 51.4899473              |                                 |                          |                     |
|          | Mínimo               | 94.07745          | 0.11799                          | 0.11795              | 0.23745                  | 3.97958          | 270.4125                       | 1.81167291         | 39.6604285                  | 51.4691169              | 0.2141177                       | 0                        | 0                   |
|          | Promedio             | 94.5209133        | 0.12716833                       | 0.17066833           | 0.29783667               | 4.29402125       | 270.4125                       | 1.81167291         | 39.8713967                  | 51.5544403              | 0.2141177                       | 0                        | 0                   |
|          | Máximo               | 94.96445          | 0.13441                          | 0.20315              | 0.33253                  | 4.54364          | 270.4125                       | 1.81167291         | 40.0490765                  | 51.6375256              | 0.2141177                       | 0                        | 0                   |
|          | Desv. Est.           | 0.32827472        | 0.0048512                        | 0.03333944           | 0.03535684               | 0.19875149       | 0                              | 0                  | 0                           | 0                       | 0                               | 0                        | 0                   |





| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 18/07/2018           | 94.12512          | 0.13666                          | 0.21324              | 0.3499                   | 4.56649          | 270.4128                       | 2.09435516         | 39.9735439                  | 51.5841801              | 0.01529412                      |                          |                     |
| 01:00:00 | 18/07/2018           | 93.66221          | 0.14996                          | 0.21711              | 0.36707                  | 5.03762          |                                |                    | 40.0824546                  | 51.6333638              |                                 |                          |                     |
| 02:00:00 | 18/07/2018           | 93.72734          | 0.1524                           | 0.21588              | 0.36828                  | 5.01366          |                                |                    | 40.0421609                  | 51.6102956              |                                 |                          |                     |
| 03:00:00 | 18/07/2018           | 93.85621          | 0.15278                          | 0.21063              | 0.36341                  | 4.92462          |                                |                    | 39.9942273                  | 51.5861678              |                                 |                          |                     |
| 04:00:00 | 18/07/2018           | 93.96339          | 0.1531                           | 0.20434              | 0.35744                  | 4.82201          |                                |                    | 39.9717017                  | 51.5763391              |                                 |                          |                     |
| 05:00:00 | 18/07/2018           | 94.01728          | 0.16017                          | 0.20992              | 0.37009                  | 4.76047          |                                |                    | 39.9417059                  | 51.5522977              |                                 |                          |                     |
| 06:00:00 | 18/07/2018           | 93.86514          | 0.23373                          | 0.22034              | 0.45407                  | 4.83786          |                                |                    | 39.9237407                  | 51.4860266              |                                 |                          |                     |
| 07:00:00 | 18/07/2018           | 93.89114          | 0.19351                          | 0.23055              | 0.42406                  | 4.84872          |                                |                    | 39.9323931                  | 51.5143434              |                                 |                          |                     |
| 08:00:00 | 18/07/2018           | 93.90072          | 0.18176                          | 0.22939              | 0.41115                  | 4.86358          |                                |                    | 39.9314308                  | 51.5226803              |                                 |                          |                     |
| 09:00:00 | 18/07/2018           | 93.86787          | 0.18527                          | 0.21927              | 0.40454                  | 4.9157           |                                |                    | 39.9396391                  | 51.5295071              |                                 |                          |                     |
| 10:00:00 | 18/07/2018           | 93.64741          | 0.17742                          | 0.2184               | 0.39582                  | 5.13741          |                                |                    | 40.0111431                  | 51.5749337              |                                 |                          |                     |
| 11:00:00 | 18/07/2018           | 93.62803          | 0.17597                          | 0.21174              | 0.38771                  | 5.1649           |                                |                    | 40.0231415                  | 51.5856403              |                                 |                          |                     |
| 12:00:00 | 18/07/2018           | 93.21734          | 0.18652                          | 0.16373              | 0.35025                  | 5.83884          |                                |                    | 40.0650116                  | 51.6248726              |                                 |                          |                     |
| 13:00:00 | 18/07/2018           | 93.23352          | 0.20359                          | 0.1618               | 0.36539                  | 5.87283          |                                |                    | 40.0220917                  | 51.5904976              |                                 |                          |                     |
| 14:00:00 | 18/07/2018           | 93.29306          | 0.20893                          | 0.15894              | 0.36787                  | 5.79732          |                                |                    | 40.0096354                  | 51.5811149              |                                 |                          |                     |
| 15:00:00 | 18/07/2018           | 93.37827          | 0.20814                          | 0.16494              | 0.37308                  | 5.71992          |                                |                    | 39.9820364                  | 51.5636273              |                                 |                          |                     |
| 16:00:00 | 18/07/2018           | 93.29636          | 0.22025                          | 0.16742              | 0.38767                  | 5.70084          |                                |                    | 40.0286319                  | 51.5793093              |                                 |                          |                     |
| 17:00:00 | 18/07/2018           | 92.93805          | 0.27374                          | 0.21916              | 0.4929                   | 5.69928          |                                |                    | 40.1779921                  | 51.5991982              |                                 |                          |                     |
| 18:00:00 | 18/07/2018           | 92.63056          | 0.35582                          | 0.22044              | 0.57626                  | 5.84388          |                                |                    | 40.2436941                  | 51.5775172              |                                 |                          |                     |
| 19:00:00 | 18/07/2018           | 92.59129          | 0.25183                          | 0.24307              | 0.4949                   | 5.92066          |                                |                    | 40.3271367                  | 51.6852401              |                                 |                          |                     |
| 20:00:00 | 18/07/2018           | 92.72038          | 0.22468                          | 0.23961              | 0.46429                  | 5.82416          |                                |                    | 40.3065592                  | 51.6944001              |                                 |                          |                     |
| 21:00:00 | 18/07/2018           | 92.6107           | 0.23991                          | 0.23725              | 0.47716                  | 5.88303          |                                |                    | 40.3502443                  | 51.7087129              |                                 |                          |                     |
| 22:00:00 | 18/07/2018           | 92.30296          | 0.25293                          | 0.24962              | 0.50255                  | 6.02071          |                                |                    | 40.498798                   | 51.7749203              |                                 |                          |                     |
| 23:00:00 | 18/07/2018           | 92.17529          | 0.23382                          | 0.24788              | 0.4817                   | 6.23762          |                                |                    | 40.5136012                  | 51.79762                |                                 |                          |                     |
|          | Mínimo               | 92.17529          | 0.13666                          | 0.15894              | 0.3499                   | 4.56649          | 270.4128                       | 2.09435516         | 39.9237407                  | 51.4860266              | 0.01529412                      | 0                        | 0                   |
|          | Promedio             | 93.3558183        | 0.20470375                       | 0.21144458           | 0.41614833               | 5.38550542       | 270.4128                       | 2.09435516         | 40.0955298                  | 51.6055336              | 0.01529412                      | 0                        | 0                   |
|          | Máximo               | 94.12512          | 0.35582                          | 0.24962              | 0.57626                  | 6.23762          | 270.4128                       | 2.09435516         | 40.5136012                  | 51.79762                | 0.01529412                      | 0                        | 0                   |
|          | Desv. Est.           | 0.58730405        | 0.04951286                       | 0.02795019           | 0.06177344               | 0                | 0                              | 0                  | 0                           | 0.07713332              | 0                               | 0                        | 0                   |



| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 19/07/2018           | 92.27385          | 0.21739                          | 0.2341               | 0.45149                  | 6.30183          | 270.2483                       | 2.02612151         | 40.4393565                  | 51.7752795              | 0.19117652                      |                          |                     |
| 01:00:00 | 19/07/2018           | 92.32098          | 0.22141                          | 0.23866              | 0.46007                  | 6.28411          |                                |                    | 40.4017299                  | 51.7499192              |                                 |                          |                     |
| 02:00:00 | 19/07/2018           | 92.54646          | 0.22026                          | 0.24196              | 0.46222                  | 6.10314          |                                |                    | 40.3198911                  | 51.7042695              |                                 |                          |                     |
| 03:00:00 | 19/07/2018           | 92.66476          | 0.21222                          | 0.24108              | 0.4533                   | 6.04514          |                                |                    | 40.2690336                  | 51.6825065              |                                 |                          |                     |
| 04:00:00 | 19/07/2018           | 92.7486           | 0.21875                          | 0.24652              | 0.46527                  | 5.92496          |                                |                    | 40.247159                   | 51.6632361              |                                 |                          |                     |
| 05:00:00 | 19/07/2018           | 92.7518           | 0.22339                          | 0.25662              | 0.48001                  | 5.87642          |                                |                    | 40.2495648                  | 51.6565322              |                                 |                          |                     |
| 06:00:00 | 19/07/2018           | 92.7024           | 0.22622                          | 0.27135              | 0.49757                  | 5.90478          |                                |                    | 40.2507061                  | 51.6484911              |                                 |                          |                     |
| 07:00:00 | 19/07/2018           | 92.61147          | 0.31548                          | 0.27503              | 0.59051                  | 5.89873          |                                |                    | 40.2174928                  | 51.5663743              |                                 |                          |                     |
| 08:00:00 | 19/07/2018           | 92.67007          | 0.23915                          | 0.2585               | 0.49765                  | 5.93806          |                                |                    | 40.2612699                  | 51.6511882              |                                 |                          |                     |
| 09:00:00 | 19/07/2018           | 92.79281          | 0.20677                          | 0.25565              | 0.46242                  | 5.86997          |                                |                    | 40.2381165                  | 51.6623899              |                                 |                          |                     |
| 10:00:00 | 19/07/2018           | 92.7408           | 0.20937                          | 0.25614              | 0.46551                  | 5.91551          |                                |                    | 40.2531672                  | 51.6686438              |                                 |                          |                     |
| 11:00:00 | 19/07/2018           | 92.80128          | 0.19613                          | 0.24264              | 0.43877                  | 5.89828          |                                |                    | 40.2480754                  | 51.6813194              |                                 |                          |                     |
| 12:00:00 | 19/07/2018           | 92.91996          | 0.18974                          | 0.23935              | 0.42909                  | 5.80536          |                                |                    | 40.2159074                  | 51.6695808              |                                 |                          |                     |
| 13:00:00 | 19/07/2018           | 92.89735          | 0.19467                          | 0.24194              | 0.43661                  | 5.83078          |                                |                    | 40.2169477                  | 51.665542               |                                 |                          |                     |
| 14:00:00 | 19/07/2018           | 92.91731          | 0.20378                          | 0.24429              | 0.44807                  | 5.79532          |                                |                    | 40.2019658                  | 51.6498462              |                                 |                          |                     |
| 15:00:00 | 19/07/2018           | 92.80962          | 0.19865                          | 0.24446              | 0.44311                  | 5.86714          |                                |                    | 40.2569666                  | 51.6834342              |                                 |                          |                     |
| 16:00:00 | 19/07/2018           | 92.70911          | 0.20005                          | 0.24638              | 0.44643                  | 5.95077          |                                |                    | 40.2897305                  | 51.699585               |                                 |                          |                     |
| 17:00:00 | 19/07/2018           | 92.65839          | 0.2014                           | 0.24836              | 0.44976                  | 6.00861          |                                |                    | 40.2951658                  | 51.7008264              |                                 |                          |                     |
| 18:00:00 | 19/07/2018           | 92.53605          | 0.29087                          | 0.24264              | 0.53351                  | 6.0658           |                                |                    | 40.2699272                  | 51.6273693              |                                 |                          |                     |
| 19:00:00 | 19/07/2018           | 92.3493           | 0.32357                          | 0.25124              | 0.57481                  | 6.16634          |                                |                    | 40.3154733                  | 51.6256092              |                                 |                          |                     |
| 20:00:00 | 19/07/2018           | 92.37491          | 0.21135                          | 0.2571               | 0.46845                  | 6.22727          |                                |                    | 40.3839753                  | 51.7386489              |                                 |                          |                     |
| 21:00:00 | 19/07/2018           | 92.33064          | 0.20529                          | 0.25805              | 0.46334                  | 6.27753          |                                |                    | 40.3982788                  | 51.7503421              |                                 |                          |                     |
| 22:00:00 | 19/07/2018           | 92.28052          | 0.21001                          | 0.25587              | 0.46588                  | 6.32603          |                                |                    | 40.4135769                  | 51.7564685              |                                 |                          |                     |
| 23:00:00 | 19/07/2018           | 92.28623          | 0.20267                          | 0.27067              | 0.47334                  | 6.31181          |                                |                    | 40.4037832                  | 51.749446               |                                 |                          |                     |
|          | Mínimo               | 92.27385          | 0.18974                          | 0.2341               | 0.42909                  | 5.79532          | 270.2483                       | 2.02612151         | 40.2019658                  | 51.5663743              | 0.19117652                      | 0                        | 0                   |
|          | Promedio             | 92.6122779        | 0.22244125                       | 0.250775             | 0.47321625               | 6.02473708       | 270.2483                       | 2.02612151         | 40.2940526                  | 51.684452               | 0.19117652                      | 0                        | 0                   |
|          | Máximo               | 92.91996          | 0.32357                          | 0.27503              | 0.59051                  | 6.32603          | 270.2483                       | 2.02612151         | 40.4393565                  | 51.7752795              | 0.19117652                      | 0                        | 0                   |
|          | Desv. Est.           | 0.21742027        | 0.035983                         | 0.01090592           | 0.04054329               |                  | 0                              | 0                  | 0                           | 0.04975373              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 20/07/2018           | 92.40459          | 0.20067                          | 0.27587              | 0.47654                  | 6.19305          | 270.2247                       | 1.97877572         | 40.3642685                  | 51.7267054              | 0.16058827                      |                          |                     |
| 01:00:00 | 20/07/2018           | 92.5981           | 0.19973                          | 0.27859              | 0.47832                  | 6.02133          |                                |                    | 40.2970587                  | 51.6891694              |                                 |                          |                     |
| 02:00:00 | 20/07/2018           | 92.61192          | 0.20413                          | 0.29024              | 0.49437                  | 5.99504          |                                |                    | 40.2818887                  | 51.6724005              |                                 |                          |                     |
| 03:00:00 | 20/07/2018           | 92.64647          | 0.2126                           | 0.27715              | 0.48975                  | 5.97658          |                                |                    | 40.2713114                  | 51.666697               |                                 |                          |                     |
| 04:00:00 | 20/07/2018           | 92.68961          | 0.21551                          | 0.26723              | 0.48274                  | 5.95363          |                                |                    | 40.2594231                  | 51.662704               |                                 |                          |                     |
| 05:00:00 | 20/07/2018           | 92.72632          | 0.22024                          | 0.28402              | 0.50426                  | 5.90008          |                                |                    | 40.2295005                  | 51.6352651              |                                 |                          |                     |
| 06:00:00 | 20/07/2018           | 92.60513          | 0.21163                          | 0.31205              | 0.52368                  | 5.98706          |                                |                    | 40.2563708                  | 51.6432242              |                                 |                          |                     |
| 07:00:00 | 20/07/2018           | 92.48273          | 0.21343                          | 0.31148              | 0.52491                  | 6.07435          |                                |                    | 40.3104916                  | 51.6718819              |                                 |                          |                     |
| 08:00:00 | 20/07/2018           | 92.50201          | 0.20951                          | 0.308                | 0.51751                  | 6.07257          |                                |                    | 40.300693                   | 51.6709042              |                                 |                          |                     |
| 09:00:00 | 20/07/2018           | 92.64259          | 0.21069                          | 0.27272              | 0.48341                  | 6.03066          |                                |                    | 40.2525116                  | 51.6599979              |                                 |                          |                     |
| 10:00:00 | 20/07/2018           | 92.81503          | 0.21712                          | 0.2292               | 0.44632                  | 6.08983          |                                |                    | 40.14114                    | 51.6151076              |                                 |                          |                     |
| 11:00:00 | 20/07/2018           | 92.74644          | 0.21312                          | 0.24974              | 0.46286                  | 6.04151          |                                |                    | 40.1961866                  | 51.6382666              |                                 |                          |                     |
| 12:00:00 | 20/07/2018           | 92.68321          | 0.23213                          | 0.28071              | 0.51284                  | 5.9296           |                                |                    | 40.2375849                  | 51.6329592              |                                 |                          |                     |
| 13:00:00 | 20/07/2018           | 92.81458          | 0.21387                          | 0.27476              | 0.48863                  | 5.81709          |                                |                    | 40.2268972                  | 51.6423419              |                                 |                          |                     |
| 14:00:00 | 20/07/2018           | 92.89213          | 0.20294                          | 0.26967              | 0.47261                  | 5.77459          |                                |                    | 40.2043262                  | 51.6399634              |                                 |                          |                     |
| 15:00:00 | 20/07/2018           | 92.755            | 0.20808                          | 0.26151              | 0.46959                  | 5.88781          |                                |                    | 40.2548904                  | 51.6679206              |                                 |                          |                     |
| 16:00:00 | 20/07/2018           | 92.73431          | 0.25051                          | 0.25291              | 0.50342                  | 5.87605          |                                |                    | 40.2411185                  | 51.6346738              |                                 |                          |                     |
| 17:00:00 | 20/07/2018           | 92.63465          | 0.23377                          | 0.24848              | 0.48225                  | 5.95923          |                                |                    | 40.2988597                  | 51.680037               |                                 |                          |                     |
| 18:00:00 | 20/07/2018           | 92.53394          | 0.20819                          | 0.24628              | 0.45447                  | 6.06065          |                                |                    | 40.3569861                  | 51.7307714              |                                 |                          |                     |
| 19:00:00 | 20/07/2018           | 92.48328          | 0.21982                          | 0.22913              | 0.44895                  | 6.10471          |                                |                    | 40.3806666                  | 51.7435152              |                                 |                          |                     |
| 20:00:00 | 20/07/2018           | 92.31239          | 0.20786                          | 0.22689              | 0.43475                  | 6.2897           |                                |                    | 40.4388294                  | 51.7849171              |                                 |                          |                     |
| 21:00:00 | 20/07/2018           | 92.26663          | 0.21692                          | 0.22068              | 0.4376                   | 6.33478          |                                |                    | 40.4497186                  | 51.7874686              |                                 |                          |                     |
| 22:00:00 | 20/07/2018           | 92.17786          | 0.22576                          | 0.21706              | 0.44282                  | 6.41562          |                                |                    | 40.4735504                  | 51.7960965              |                                 |                          |                     |
| 23:00:00 | 20/07/2018           | 92.19746          | 0.21084                          | 0.21767              | 0.42851                  | 6.42692          |                                |                    | 40.467079                   | 51.8027505              |                                 |                          |                     |
|          | Mínimo               | 92.17786          | 0.19973                          | 0.21706              | 0.42851                  | 5.77459          | 270.2247                       | 1.97877572         | 40.14114                    | 51.6151076              | 0.16058827                      | 0                        | 0                   |
|          | Promedio             | 92.5815158        | 0.21496125                       | 0.262585             | 0.47754625               | 6.05051833       | 270.2247                       | 1.97877572         | 40.2996397                  | 51.6873225              | 0                               | 0                        | 0                   |
|          | Máximo               | 92.89213          | 0.25051                          | 0.31205              | 0.52491                  | 6.42692          | 270.2247                       | 1.97877572         | 40.4735504                  | 51.8027505              | 0.16058827                      | 0                        | 0                   |
|          | Desv. Est.           | 0.19591596        | 0.0114576                        | 0.02911649           | 0.02866885               |                  | 0                              | 0                  | 0                           | 0.05767864              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 21/07/2018           | 92.16966          | 0.20337                          | 0.21903              | 0.4224                   | 6.46726          | 270.2312                       | 1.99270095         | 40.4746088                  | 51.8115282              | 0.13000003                      |                          |                     |
| 01:00:00 | 21/07/2018           | 92.15876          | 0.24109                          | 0.22272              | 0.46381                  | 6.43718          |                                |                    | 40.4516112                  | 51.770968               |                                 |                          |                     |
| 02:00:00 | 21/07/2018           | 92.22337          | 0.34383                          | 0.22033              | 0.56416                  | 6.29215          |                                |                    | 40.3559457                  | 51.648168               |                                 |                          |                     |
| 03:00:00 | 21/07/2018           | 92.48013          | 0.30515                          | 0.22082              | 0.52597                  | 6.08519          |                                |                    | 40.3023888                  | 51.6451889              |                                 |                          |                     |
| 04:00:00 | 21/07/2018           | 92.60445          | 0.32007                          | 0.21068              | 0.53075                  | 5.97918          |                                |                    | 40.2545878                  | 51.6131656              |                                 |                          |                     |
| 05:00:00 | 21/07/2018           | 92.59428          | 0.27168                          | 0.2234               | 0.49508                  | 5.99459          |                                |                    | 40.2938183                  | 51.6624585              |                                 |                          |                     |
| 06:00:00 | 21/07/2018           | 92.57435          | 0.22166                          | 0.22672              | 0.44838                  | 6.05589          |                                |                    | 40.3310646                  | 51.7162812              |                                 |                          |                     |
| 07:00:00 | 21/07/2018           | 92.59814          | 0.21509                          | 0.22928              | 0.44437                  | 6.03156          |                                |                    | 40.327948                   | 51.7179504              |                                 |                          |                     |
| 08:00:00 | 21/07/2018           | 92.63689          | 0.23009                          | 0.22082              | 0.45091                  | 6.00232          |                                |                    | 40.3042356                  | 51.6983976              |                                 |                          |                     |
| 09:00:00 | 21/07/2018           | 92.65633          | 0.2318                           | 0.21261              | 0.44441                  | 6.00857          |                                |                    | 40.2940248                  | 51.6954553              |                                 |                          |                     |
| 10:00:00 | 21/07/2018           | 92.67939          | 0.23431                          | 0.20319              | 0.4375                   | 6.01182          |                                |                    | 40.2831126                  | 51.6921169              |                                 |                          |                     |
| 11:00:00 | 21/07/2018           | 92.6955           | 0.26075                          | 0.20384              | 0.46459                  | 5.96192          |                                |                    | 40.2648584                  | 51.6632905              |                                 |                          |                     |
| 12:00:00 | 21/07/2018           | 92.65372          | 0.23425                          | 0.2048               | 0.43905                  | 6.01073          |                                |                    | 40.3034795                  | 51.7024729              |                                 |                          |                     |
| 13:00:00 | 21/07/2018           | 92.44642          | 0.24461                          | 0.20371              | 0.44832                  | 6.20335          |                                |                    | 40.3625407                  | 51.7283108              |                                 |                          |                     |
| 14:00:00 | 21/07/2018           | 92.54227          | 0.34334                          | 0.20205              | 0.54539                  | 6.01163          |                                |                    | 40.2715036                  | 51.6102774              |                                 |                          |                     |
| 15:00:00 | 21/07/2018           | 92.59847          | 0.44918                          | 0.1992               | 0.64838                  | 5.84269          |                                |                    | 40.1931388                  | 51.4946545              |                                 |                          |                     |
| 16:00:00 | 21/07/2018           | 92.56015          | 0.4789                           | 0.20173              | 0.68063                  | 5.81571          |                                |                    | 40.1996561                  | 51.4763756              |                                 |                          |                     |
| 17:00:00 | 21/07/2018           | 92.57275          | 0.37718                          | 0.20413              | 0.58131                  | 5.87651          |                                |                    | 40.2730527                  | 51.586245               |                                 |                          |                     |
| 18:00:00 | 21/07/2018           | 92.29777          | 0.26522                          | 0.2037               | 0.46892                  | 6.22916          |                                |                    | 40.4421749                  | 51.7571824              |                                 |                          |                     |
| 19:00:00 | 21/07/2018           | 92.41586          | 0.25395                          | 0.20668              | 0.46063                  | 6.1155           |                                |                    | 40.4164137                  | 51.7494278              |                                 |                          |                     |
| 20:00:00 | 21/07/2018           | 92.55862          | 0.25075                          | 0.18472              | 0.43547                  | 6.0918           |                                |                    | 40.3528247                  | 51.72711                |                                 |                          |                     |
| 21:00:00 | 21/07/2018           | 92.20376          | 0.26546                          | 0.211                | 0.47646                  | 6.27771          |                                |                    | 40.4833626                  | 51.7761573              |                                 |                          |                     |
| 22:00:00 | 21/07/2018           | 91.86218          | 0.24501                          | 0.21016              | 0.45517                  | 6.62756          |                                |                    | 40.6002017                  | 51.8550221              |                                 |                          |                     |
| 23:00:00 | 21/07/2018           | 91.99097          | 0.2599                           | 0.20948              | 0.46938                  | 6.48412          |                                |                    | 40.5531707                  | 51.8191375              |                                 |                          |                     |
|          | Mínimo               | 91.86218          | 0.20337                          | 0.18472              | 0.4224                   | 5.81571          | 270.2312                       | 1.99270095         | 40.1931388                  | 51.4763756              | 0.13000003                      | 0                        | 0                   |
|          | Promedio             | 92.4489246        | 0.28111                          | 0.21061667           | 0.49172667               | 6.12142083       | 270.2312                       | 1.99270095         | 40.3495719                  | 51.6923893              | 0.13000003                      | 0                        | 0                   |
|          | Máximo               | 92.6955           | 0.4789                           | 0.22928              | 0.68063                  | 6.62756          | 270.2312                       | 1.99270095         | 40.6002017                  | 51.8550221              | 0.13000003                      | 0                        | 0                   |
|          | Desv. Est.           | 0.23222998        | 0.07138514                       | 0.01050441           | 0.06844598               |                  | 0                              | 0                  | 0                           | 0.09259343              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 22/07/2018           | 91.96839          | 0.24809                          | 0.2143               | 0.46239                  | 6.50182          | 270.2369                       | 2.13056076         | 40.5689133                  | 51.8337323              | 0.0382353                       |                          |                     |
| 01:00:00 | 22/07/2018           | 92.06735          | 0.27935                          | 0.21329              | 0.49264                  | 6.39307          |                                |                    | 40.5100173                  | 51.7802505              |                                 |                          |                     |
| 02:00:00 | 22/07/2018           | 92.12209          | 0.27308                          | 0.2123               | 0.48538                  | 6.36187          |                                |                    | 40.4922901                  | 51.7753659              |                                 |                          |                     |
| 03:00:00 | 22/07/2018           | 92.24335          | 0.22958                          | 0.21169              | 0.44127                  | 6.29407          |                                |                    | 40.4869052                  | 51.8028049              |                                 |                          |                     |
| 04:00:00 | 22/07/2018           | 92.14912          | 0.28153                          | 0.21213              | 0.49366                  | 6.34176          |                                |                    | 40.4771937                  | 51.7612942              |                                 |                          |                     |
| 05:00:00 | 22/07/2018           | 92.51958          | 0.27874                          | 0.2151               | 0.49384                  | 5.97982          |                                |                    | 40.3649604                  | 51.6999986              |                                 |                          |                     |
| 06:00:00 | 22/07/2018           | 92.5995           | 0.38128                          | 0.21532              | 0.5966                   | 5.81861          |                                |                    | 40.2640609                  | 51.5731464              |                                 |                          |                     |
| 07:00:00 | 22/07/2018           | 92.49363          | 0.41801                          | 0.22192              | 0.63993                  | 5.81894          |                                |                    | 40.2959313                  | 51.5619626              |                                 |                          |                     |
| 08:00:00 | 22/07/2018           | 92.40646          | 0.4078                           | 0.23592              | 0.64372                  | 5.85673          |                                |                    | 40.347041                   | 51.5906567              |                                 |                          |                     |
| 09:00:00 | 22/07/2018           | 92.54703          | 0.29171                          | 0.21599              | 0.5077                   | 5.92271          |                                |                    | 40.3563857                  | 51.6857219              |                                 |                          |                     |
| 10:00:00 | 22/07/2018           | 92.094            | 0.25657                          | 0.21519              | 0.47176                  | 6.38228          |                                |                    | 40.5182849                  | 51.7996532              |                                 |                          |                     |
| 11:00:00 | 22/07/2018           | 92.31183          | 0.26612                          | 0.21593              | 0.48205                  | 6.12913          |                                |                    | 40.4609285                  | 51.7609119              |                                 |                          |                     |
| 12:00:00 | 22/07/2018           | 92.21609          | 0.26729                          | 0.22168              | 0.48897                  | 6.16658          |                                |                    | 40.5085643                  | 51.7834164              |                                 |                          |                     |
| 13:00:00 | 22/07/2018           | 92.22372          | 0.26322                          | 0.2261               | 0.48932                  | 6.13002          |                                |                    | 40.5221301                  | 51.7914847              |                                 |                          |                     |
| 14:00:00 | 22/07/2018           | 92.26254          | 0.29664                          | 0.22647              | 0.52311                  | 6.05553          |                                |                    | 40.4917998                  | 51.7514244              |                                 |                          |                     |
| 15:00:00 | 22/07/2018           | 92.35178          | 0.26805                          | 0.22549              | 0.49354                  | 5.99352          |                                |                    | 40.4906037                  | 51.770927               |                                 |                          |                     |
| 16:00:00 | 22/07/2018           | 91.93316          | 0.26227                          | 0.2225               | 0.48477                  | 6.40455          |                                |                    | 40.6243542                  | 51.849901               |                                 |                          |                     |
| 17:00:00 | 22/07/2018           | 92.27783          | 0.26006                          | 0.21958              | 0.47964                  | 6.0961           |                                |                    | 40.5177945                  | 51.7941818              |                                 |                          |                     |
| 18:00:00 | 22/07/2018           | 92.5589           | 0.26328                          | 0.22019              | 0.48347                  | 5.82135          |                                |                    | 40.4345948                  | 51.7457984              |                                 |                          |                     |
| 19:00:00 | 22/07/2018           | 92.69448          | 0.2708                           | 0.22014              | 0.49094                  | 5.69778          |                                |                    | 40.3808224                  | 51.7110554              |                                 |                          |                     |
| 20:00:00 | 22/07/2018           | 92.70545          | 0.26691                          | 0.22391              | 0.49082                  | 5.65052          |                                |                    | 40.395451                   | 51.7198696              |                                 |                          |                     |
| 21:00:00 | 22/07/2018           | 92.67692          | 0.27288                          | 0.22853              | 0.50141                  | 5.61202          |                                |                    | 40.4209603                  | 51.7273738              |                                 |                          |                     |
| 22:00:00 | 22/07/2018           | 92.63593          | 0.27508                          | 0.22975              | 0.50483                  | 5.61971          |                                |                    | 40.4425323                  | 51.7370341              |                                 |                          |                     |
| 23:00:00 | 22/07/2018           | 92.73017          | 0.26587                          | 0.2276               | 0.49347                  | 5.52628          |                                |                    | 40.430305                   | 51.7375483              |                                 |                          |                     |
|          | Mínimo               | 91.93316          | 0.22958                          | 0.21169              | 0.44127                  | 5.52628          | 270.2369                       | 2.13056076         | 40.2640609                  | 51.5619626              | 0.0382353                       | 0                        | 0                   |
|          | Promedio             | 92.3662208        | 0.28517542                       | 0.22045917           | 0.50563458               | 6.02394875       | 270.2369                       | 2.13056076         | 40.4501177                  | 51.7393964              | 0.0382353                       | 0                        | 0                   |
|          | Máximo               | 92.73017          | 0.41801                          | 0.23592              | 0.64372                  | 6.50182          | 270.2369                       | 2.13056076         | 40.6243542                  | 51.849901               | 0.0382353                       | 0                        | 0                   |
|          | Desv. Est.           | 0.24546481        | 0.04748944                       | 0.0065307            | 0.04985186               | 0.29250183       | 0                              | 0                  | 0.08537133                  | 0.07475062              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 23/07/2018           | 92.73541          | 0.26855                          | 0.22668              | 0.49523                  | 5.52475          | 270.2439                       | 2.4188131          | 40.4268585                  | 51.7342189              | 0                               |                          |                     |
| 01:00:00 | 23/07/2018           | 92.73564          | 0.27019                          | 0.22678              | 0.49697                  | 5.53696          |                                |                    | 40.4165008                  | 51.7274468              |                                 |                          |                     |
| 02:00:00 | 23/07/2018           | 92.7606           | 0.27223                          | 0.22533              | 0.49756                  | 5.52716          |                                |                    | 40.3959965                  | 51.7155353              |                                 |                          |                     |
| 03:00:00 | 23/07/2018           | 92.73118          | 0.31123                          | 0.22182              | 0.53305                  | 5.56799          |                                |                    | 40.3565645                  | 51.668671               |                                 |                          |                     |
| 04:00:00 | 23/07/2018           | 92.6678           | 0.30884                          | 0.21755              | 0.52639                  | 5.65375          |                                |                    | 40.3716425                  | 51.680692               |                                 |                          |                     |
| 05:00:00 | 23/07/2018           | 92.37541          | 0.287                            | 0.21589              | 0.50289                  | 5.85891          |                                |                    | 40.5112225                  | 51.7730738              |                                 |                          |                     |
| 06:00:00 | 23/07/2018           | 92.37122          | 0.2804                           | 0.21122              | 0.49162                  | 6.03068          |                                |                    | 40.4555988                  | 51.7499736              |                                 |                          |                     |
| 07:00:00 | 23/07/2018           | 92.13846          | 0.2782                           | 0.21034              | 0.48854                  | 6.27461          |                                |                    | 40.5206133                  | 51.7878099              |                                 |                          |                     |
| 08:00:00 | 23/07/2018           | 91.83936          | 0.27799                          | 0.20773              | 0.48572                  | 6.60132          |                                |                    | 40.5942713                  | 51.8299484              |                                 |                          |                     |
| 09:00:00 | 23/07/2018           | 91.85908          | 0.27562                          | 0.18725              | 0.46287                  | 6.70422          |                                |                    | 40.5561863                  | 51.8205656              |                                 |                          |                     |
| 10:00:00 | 23/07/2018           | 91.68835          | 0.27096                          | 0.20446              | 0.47542                  | 6.78117          |                                |                    | 40.6303946                  | 51.8563865              |                                 |                          |                     |
| 11:00:00 | 23/07/2018           | 91.75131          | 0.26755                          | 0.20368              | 0.47123                  | 6.74781          |                                |                    | 40.6048444                  | 51.8451617              |                                 |                          |                     |
| 12:00:00 | 23/07/2018           | 91.64938          | 0.26887                          | 0.20692              | 0.47579                  | 6.83822          |                                |                    | 40.6364899                  | 51.8601344              |                                 |                          |                     |
| 13:00:00 | 23/07/2018           | 91.76264          | 0.26079                          | 0.20803              | 0.46882                  | 6.73738          |                                |                    | 40.6115858                  | 51.851461               |                                 |                          |                     |
| 14:00:00 | 23/07/2018           | 91.83149          | 0.26777                          | 0.20028              | 0.46805                  | 6.70129          |                                |                    | 40.5878182                  | 51.8371389              |                                 |                          |                     |
| 15:00:00 | 23/07/2018           | 92.00355          | 0.26692                          | 0.20265              | 0.46957                  | 6.55483          |                                |                    | 40.5196552                  | 51.7993346              |                                 |                          |                     |
| 16:00:00 | 23/07/2018           | 92.10013          | 0.26694                          | 0.20239              | 0.46933                  | 6.43714          |                                |                    | 40.5005716                  | 51.788792               |                                 |                          |                     |
| 17:00:00 | 23/07/2018           | 92.46661          | 0.26912                          | 0.1872               | 0.45632                  | 6.14668          |                                |                    | 40.3746396                  | 51.7251226              |                                 |                          |                     |
| 18:00:00 | 23/07/2018           | 92.78191          | 0.27444                          | 0.18418              | 0.45862                  | 5.84633          |                                |                    | 40.2737585                  | 51.6672384              |                                 |                          |                     |
| 19:00:00 | 23/07/2018           | 93.05766          | 0.30325                          | 0.19869              | 0.50194                  | 5.44229          |                                |                    | 40.204491                   | 51.6017225              |                                 |                          |                     |
| 20:00:00 | 23/07/2018           | 93.23045          | 0.30468                          | 0.20106              | 0.50574                  | 5.2563           |                                |                    | 40.1563464                  | 51.5729601              |                                 |                          |                     |
| 21:00:00 | 23/07/2018           | 93.27896          | 0.2887                           | 0.20087              | 0.48957                  | 5.22964          |                                |                    | 40.1494492                  | 51.5804099              |                                 |                          |                     |
| 22:00:00 | 23/07/2018           | 93.35652          | 0.28601                          | 0.20231              | 0.48832                  | 5.16579          |                                |                    | 40.1224048                  | 51.5667335              |                                 |                          |                     |
| 23:00:00 | 23/07/2018           | 93.41261          | 0.29126                          | 0.20089              | 0.49215                  | 5.11332          |                                |                    | 40.0978033                  | 51.5501692              |                                 |                          |                     |
|          | <b>Mínimo</b>        | 91.64938          | 0.26079                          | 0.18418              | 0.45632                  | 5.11332          | 270.2439                       | 2.4188131          | 40.0978033                  | 51.5501692              | 0                               | 0                        | 0                   |
|          | <b>Promedio</b>      | 92.4410721        | 0.27989625                       | 0.206425             | 0.48632125               | 6.01160583       | 270.2439                       | 2.4188131          | 40.4198212                  | 51.7329459              | 0                               | 0                        | 0                   |
|          | <b>Máximo</b>        | 93.41261          | 0.31123                          | 0.22678              | 0.53305                  | 6.83822          | 270.2439                       | 2.4188131          | 40.6364899                  | 51.8601344              | 0                               | 0                        | 0                   |
|          | <b>Desv. Est.</b>    | 0.57579368        | 0.01463845                       | 0.01171035           | 0.01974833               | 0.60116737       | 0                              | 0                  | 0.1728522                   | 0.10153681              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 24/07/2018           | 93.40767          | 0.29688                          | 0.20053              | 0.49741                  | 5.13699          | 270.2258                       | 2.11663553         | 40.081552                   | 51.537612               | 0.19117652                      |                          |                     |
| 01:00:00 | 24/07/2018           | 93.29026          | 0.29639                          | 0.19941              | 0.4958                   | 5.2695           |                                |                    | 40.1094622                  | 51.5540124              |                                 |                          |                     |
| 02:00:00 | 24/07/2018           | 93.05877          | 0.29111                          | 0.19897              | 0.49008                  | 5.50565          |                                |                    | 40.1787482                  | 51.5962645              |                                 |                          |                     |
| 03:00:00 | 24/07/2018           | 92.92191          | 0.285                            | 0.19846              | 0.48346                  | 5.65058          |                                |                    | 40.2217691                  | 51.6245496              |                                 |                          |                     |
| 04:00:00 | 24/07/2018           | 92.71075          | 0.27942                          | 0.19831              | 0.47773                  | 5.85939          |                                |                    | 40.2896798                  | 51.6659876              |                                 |                          |                     |
| 05:00:00 | 24/07/2018           | 92.29236          | 0.2818                           | 0.19515              | 0.47695                  | 6.29211          |                                |                    | 40.4035771                  | 51.7287747              |                                 |                          |                     |
| 06:00:00 | 24/07/2018           | 91.95279          | 0.27936                          | 0.19796              | 0.47732                  | 6.5977           |                                |                    | 40.5135919                  | 51.789697               |                                 |                          |                     |
| 07:00:00 | 24/07/2018           | 91.64972          | 0.27542                          | 0.18932              | 0.46474                  | 6.92047          |                                |                    | 40.6039092                  | 51.8462124              |                                 |                          |                     |
| 08:00:00 | 24/07/2018           | 91.43433          | 0.26265                          | 0.18536              | 0.44801                  | 7.17757          |                                |                    | 40.6623885                  | 51.889247               |                                 |                          |                     |
| 09:00:00 | 24/07/2018           | 91.43629          | 0.26213                          | 0.18648              | 0.44861                  | 7.1741           |                                |                    | 40.6611739                  | 51.8884146              |                                 |                          |                     |
| 10:00:00 | 24/07/2018           | 91.78214          | 0.26025                          | 0.18846              | 0.44871                  | 6.83382          |                                |                    | 40.558927                   | 51.8325635              |                                 |                          |                     |
| 11:00:00 | 24/07/2018           | 91.93333          | 0.26199                          | 0.19002              | 0.45201                  | 6.67549          |                                |                    | 40.5157874                  | 51.8068526              |                                 |                          |                     |
| 12:00:00 | 24/07/2018           | 92.17566          | 0.25837                          | 0.1883               | 0.44667                  | 6.45243          |                                |                    | 40.4457041                  | 51.7715727              |                                 |                          |                     |
| 13:00:00 | 24/07/2018           | 92.39389          | 0.26599                          | 0.18832              | 0.45431                  | 6.2285           |                                |                    | 40.3789065                  | 51.7294114              |                                 |                          |                     |
| 14:00:00 | 24/07/2018           | 92.83773          | 0.26393                          | 0.18777              | 0.4517                   | 5.81541          |                                |                    | 40.2443496                  | 51.6569141              |                                 |                          |                     |
| 15:00:00 | 24/07/2018           | 92.95874          | 0.2694                           | 0.18861              | 0.45801                  | 5.68896          |                                |                    | 40.20538                    | 51.6311898              |                                 |                          |                     |
| 16:00:00 | 24/07/2018           | 92.85047          | 0.26304                          | 0.18482              | 0.44786                  | 5.81454          |                                |                    | 40.2412008                  | 51.6571779              |                                 |                          |                     |
| 17:00:00 | 24/07/2018           | 92.6433           | 0.26185                          | 0.18028              | 0.44213                  | 6.02138          |                                |                    | 40.3076086                  | 51.6967012              |                                 |                          |                     |
| 18:00:00 | 24/07/2018           | 91.91711          | 0.21986                          | 0.13744              | 0.3573                   | 7.03432          |                                |                    | 40.4823406                  | 51.8429605              |                                 |                          |                     |
| 19:00:00 | 24/07/2018           | 92.49419          | 0.20817                          | 0.13902              | 0.34719                  | 6.45671          |                                |                    | 40.333205                   | 51.7682254              |                                 |                          |                     |
| 20:00:00 | 24/07/2018           | 92.89788          | 0.21562                          | 0.13823              | 0.35385                  | 6.04589          |                                |                    | 40.214876                   | 51.698152               |                                 |                          |                     |
| 21:00:00 | 24/07/2018           | 92.77265          | 0.19105                          | 0.13802              | 0.32907                  | 6.225            |                                |                    | 40.2511139                  | 51.7356153              |                                 |                          |                     |
| 22:00:00 | 24/07/2018           | 91.95984          | 0.25762                          | 0.13961              | 0.39723                  | 6.9419           |                                |                    | 40.4504703                  | 51.7981703              |                                 |                          |                     |
| 23:00:00 | 24/07/2018           | 92.06561          | 0.27026                          | 0.13942              | 0.40968                  | 6.82615          |                                |                    | 40.4050619                  | 51.7645413              |                                 |                          |                     |
|          | <b>Mínimo</b>        | 91.43433          | 0.19105                          | 0.13744              | 0.32907                  | 5.13699          | 270.2258                       | 2.11663553         | 40.081552                   | 51.537612               | 0.19117652                      | 0                        | 0                   |
|          | <b>Promedio</b>      | 92.4098913        | 0.261565                         | 0.17826125           | 0.43982625               | 6.27685667       | 270.2258                       | 2.11663553         | 40.3650326                  | 51.7296175              | 0.19117652                      | 0                        | 0                   |
|          | <b>Máximo</b>        | 93.40767          | 0.29688                          | 0.20053              | 0.49741                  | 7.17757          | 270.2258                       | 2.11663553         | 40.6623885                  | 51.889247               | 0.19117652                      | 0                        | 0                   |
|          | <b>Desv. Est.</b>    | 0.57462593        | 0.02717588                       | 0.02397007           | 0.04875109               | 0.6027129        | 0                              | 0                  | 0.16788036                  | 0.0998668               | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 25/07/2018           | 92.00812          | 0.25605                          | 0.13929              | 0.39534                  | 6.86888          | 270.3269                       | 1.9300374          | 40.4404929                  | 51.7938223              | 0.11470591                      |                          |                     |
| 01:00:00 | 25/07/2018           | 91.84698          | 0.23511                          | 0.12809              | 0.3632                   | 7.06364          |                                |                    | 40.508395                   | 51.8509151              |                                 |                          |                     |
| 02:00:00 | 25/07/2018           | 92.87504          | 0.23615                          | 0.12813              | 0.36428                  | 6.08463          |                                |                    | 40.18906                    | 51.6745429              |                                 |                          |                     |
| 03:00:00 | 25/07/2018           | 93.04568          | 0.23664                          | 0.12772              | 0.36436                  | 5.93913          |                                |                    | 40.1315708                  | 51.6427648              |                                 |                          |                     |
| 04:00:00 | 25/07/2018           | 92.75813          | 0.26021                          | 0.13167              | 0.39188                  | 6.19906          |                                |                    | 40.1987392                  | 51.6615259              |                                 |                          |                     |
| 05:00:00 | 25/07/2018           | 92.51661          | 0.24271                          | 0.13738              | 0.38009                  | 6.4617           |                                |                    | 40.267402                   | 51.7091358              |                                 |                          |                     |
| 06:00:00 | 25/07/2018           | 91.79198          | 0.21025                          | 0.13259              | 0.34284                  | 7.22124          |                                |                    | 40.5007548                  | 51.8624038              |                                 |                          |                     |
| 07:00:00 | 25/07/2018           | 91.12769          | 0.18263                          | 0.12542              | 0.30805                  | 7.90253          |                                |                    | 40.7248456                  | 52.0077215              |                                 |                          |                     |
| 08:00:00 | 25/07/2018           | 92.72871          | 0.15659                          | 0.12599              | 0.28258                  | 6.38652          |                                |                    | 40.2562653                  | 51.7686166              |                                 |                          |                     |
| 09:00:00 | 25/07/2018           | 93.37293          | 0.1307                           | 0.129                | 0.2597                   | 5.74154          |                                |                    | 40.099224                   | 51.6987478              |                                 |                          |                     |
| 10:00:00 | 25/07/2018           | 92.92237          | 0.12727                          | 0.13197              | 0.25924                  | 6.16051          |                                |                    | 40.2405456                  | 51.7773991              |                                 |                          |                     |
| 11:00:00 | 25/07/2018           | 93.8733           | 0.25251                          | 0.13002              | 0.38253                  | 5.12117          |                                |                    | 39.8718793                  | 51.4870866              |                                 |                          |                     |
| 12:00:00 | 25/07/2018           | 93.84022          | 0.22856                          | 0.12563              | 0.35419                  | 5.15303          |                                |                    | 39.9180025                  | 51.5311216              |                                 |                          |                     |
| 13:00:00 | 25/07/2018           | 93.41091          | 0.21328                          | 0.1148               | 0.32808                  | 5.61566          |                                |                    | 40.0540492                  | 51.6221889              |                                 |                          |                     |
| 14:00:00 | 25/07/2018           | 94.42694          | 0.217                            | 0.14076              | 0.35776                  | 4.483            |                                |                    | 39.7834639                  | 51.4573779              |                                 |                          |                     |
| 15:00:00 | 25/07/2018           | 93.72698          | 0.21785                          | 0.16533              | 0.38318                  | 4.96893          |                                |                    | 40.0623306                  | 51.5984478              |                                 |                          |                     |
| 16:00:00 | 25/07/2018           | 93.55344          | 0.24071                          | 0.17295              | 0.41366                  | 5.13236          |                                |                    | 40.0799568                  | 51.5888557              |                                 |                          |                     |
| 17:00:00 | 25/07/2018           | 93.28876          | 0.23791                          | 0.1792               | 0.41711                  | 5.3754           |                                |                    | 40.1567406                  | 51.630344               |                                 |                          |                     |
| 18:00:00 | 25/07/2018           | 93.04138          | 0.232                            | 0.17669              | 0.40869                  | 5.61339          |                                |                    | 40.2412101                  | 51.68217                |                                 |                          |                     |
| 19:00:00 | 25/07/2018           | 93.18362          | 0.22407                          | 0.16813              | 0.3922                   | 5.48886          |                                |                    | 40.2063152                  | 51.6723961              |                                 |                          |                     |
| 20:00:00 | 25/07/2018           | 93.57458          | 0.19346                          | 0.17934              | 0.3728                   | 5.14171          |                                |                    | 40.0972259                  | 51.6285519              |                                 |                          |                     |
| 21:00:00 | 25/07/2018           | 93.75557          | 0.19892                          | 0.18149              | 0.38041                  | 4.98453          |                                |                    | 40.0284806                  | 51.5859223              |                                 |                          |                     |
| 22:00:00 | 25/07/2018           | 94.26824          | 0.17999                          | 0.17976              | 0.35975                  | 4.51735          |                                |                    | 39.8883919                  | 51.5225983              |                                 |                          |                     |
| 23:00:00 | 25/07/2018           | 94.82098          | 0.19082                          | 0.17739              | 0.36821                  | 3.99683          |                                |                    | 39.7044804                  | 51.4145162              |                                 |                          |                     |
|          | Mínimo               | 91.12769          | 0.12727                          | 0.1148               | 0.25924                  | 3.99683          | 270.3269                       | 1.9300374          | 39.7044804                  | 51.4145162              | 0.11470591                      | 0                        | 0                   |
|          | Promedio             | 93.1566317        | 0.21255792                       | 0.14703083           | 0.35958875               | 5.73423333       | 270.3269                       | 1.9300374          | 40.1520759                  | 51.6612155              | 0.11470591                      | 0                        | 0                   |
|          | Máximo               | 94.82098          | 0.26021                          | 0.18149              | 0.41711                  | 7.90253          | 270.3269                       | 1.9300374          | 40.7248456                  | 52.0077215              | 0.11470591                      | 0                        | 0                   |
|          | Desv. Est.           | 0.876519          | 0.03650785                       | 0.02337242           | 0.04384315               | 0.94044475       | 0                              | 0                  | 0.23679335                  | 0.13692155              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 26/07/2018           | 94.53159          | 0.18862                          | 0.17678              | 0.3654                   | 4.27031          | 270.2874                       | 1.73647665         | 39.7934687                  | 51.4656101              | 0.04588236                      |                          |                     |
| 01:00:00 | 26/07/2018           | 94.39986          | 0.18012                          | 0.17623              | 0.35635                  | 4.40405          |                                |                    | 39.8384096                  | 51.4967149              |                                 |                          |                     |
| 02:00:00 | 26/07/2018           | 94.29556          | 0.18767                          | 0.17384              | 0.36151                  | 4.5222           |                                |                    | 39.8563519                  | 51.5025637              |                                 |                          |                     |
| 03:00:00 | 26/07/2018           | 94.25054          | 0.17502                          | 0.17657              | 0.35159                  | 4.56224          |                                |                    | 39.8818472                  | 51.5242131              |                                 |                          |                     |
| 04:00:00 | 26/07/2018           | 94.49632          | 0.17567                          | 0.17624              | 0.35191                  | 4.32021          |                                |                    | 39.809266                   | 51.4837617              |                                 |                          |                     |
| 05:00:00 | 26/07/2018           | 94.75095          | 0.17571                          | 0.17859              | 0.3543                   | 4.06141          |                                |                    | 39.7361213                  | 51.4421236              |                                 |                          |                     |
| 06:00:00 | 26/07/2018           | 94.87193          | 0.17226                          | 0.17839              | 0.35065                  | 3.95213          |                                |                    | 39.7008641                  | 51.4251591              |                                 |                          |                     |
| 07:00:00 | 26/07/2018           | 94.90832          | 0.18676                          | 0.17845              | 0.36521                  | 3.89582          |                                |                    | 39.6818218                  | 51.4043193              |                                 |                          |                     |
| 08:00:00 | 26/07/2018           | 94.97651          | 0.19834                          | 0.17963              | 0.37797                  | 3.82397          |                                |                    | 39.6497499                  | 51.3778629              |                                 |                          |                     |
| 09:00:00 | 26/07/2018           | 94.90613          | 0.1948                           | 0.17661              | 0.37141                  | 3.90467          |                                |                    | 39.6723536                  | 51.394327               |                                 |                          |                     |
| 10:00:00 | 26/07/2018           | 94.83422          | 0.21224                          | 0.17842              | 0.39066                  | 3.96016          |                                |                    | 39.6790263                  | 51.3849032              |                                 |                          |                     |
| 11:00:00 | 26/07/2018           | 94.75637          | 0.16608                          | 0.18264              | 0.34872                  | 4.06379          |                                |                    | 39.7374275                  | 51.4477678              |                                 |                          |                     |
| 12:00:00 | 26/07/2018           | 94.45146          | 0.15007                          | 0.17844              | 0.32851                  | 4.3978           |                                |                    | 39.8364389                  | 51.5158534              |                                 |                          |                     |
| 13:00:00 | 26/07/2018           | 94.44794          | 0.16404                          | 0.17617              | 0.34021                  | 4.38305          |                                |                    | 39.8335792                  | 51.5054244              |                                 |                          |                     |
| 14:00:00 | 26/07/2018           | 94.22192          | 0.16757                          | 0.17053              | 0.3381                   | 4.61856          |                                |                    | 39.8974479                  | 51.5409093              |                                 |                          |                     |
| 15:00:00 | 26/07/2018           | 94.41368          | 0.20327                          | 0.1742               | 0.37747                  | 4.38509          |                                |                    | 39.8169427                  | 51.4695033              |                                 |                          |                     |
| 16:00:00 | 26/07/2018           | 94.93948          | 0.18491                          | 0.17225              | 0.35716                  | 3.87946          |                                |                    | 39.6801766                  | 51.4075712              |                                 |                          |                     |
| 17:00:00 | 26/07/2018           | 94.79383          | 0.17876                          | 0.17073              | 0.34949                  | 4.00779          |                                |                    | 39.7368868                  | 51.4438974              |                                 |                          |                     |
| 18:00:00 | 26/07/2018           | 94.74195          | 0.17237                          | 0.16804              | 0.34041                  | 4.08298          |                                |                    | 39.7517678                  | 51.457983               |                                 |                          |                     |
| 19:00:00 | 26/07/2018           | 94.92405          | 0.17533                          | 0.16959              | 0.34492                  | 3.8817           |                                |                    | 39.7030548                  | 51.4281062              |                                 |                          |                     |
| 20:00:00 | 26/07/2018           | 94.96531          | 0.20864                          | 0.17015              | 0.37879                  | 3.7777           |                                |                    | 39.6816476                  | 51.3922849              |                                 |                          |                     |
| 21:00:00 | 26/07/2018           | 95.01584          | 0.20762                          | 0.17172              | 0.37934                  | 3.74384          |                                |                    | 39.6590078                  | 51.379832               |                                 |                          |                     |
| 22:00:00 | 26/07/2018           | 94.95706          | 0.17576                          | 0.17207              | 0.34783                  | 3.81867          |                                |                    | 39.7049204                  | 51.4274922              |                                 |                          |                     |
| 23:00:00 | 26/07/2018           | 94.91187          | 0.17296                          | 0.17359              | 0.34655                  | 3.87098          |                                |                    | 39.7156399                  | 51.4347509              |                                 |                          |                     |
|          | Mínimo               | 94.22192          | 0.15007                          | 0.16804              | 0.32851                  | 3.74384          | 270.2874                       | 1.73647665         | 39.6497499                  | 51.3778629              | 0.04588236                      | 0                        | 0                   |
|          | Promedio             | 94.6984454        | 0.18227458                       | 0.17499458           | 0.35726917               | 4.1078575        | 270.2874                       | 1.73647665         | 39.7522591                  | 51.4480389              | 0.04588236                      | 0                        | 0                   |
|          | Máximo               | 95.01584          | 0.21224                          | 0.18264              | 0.39066                  | 4.61856          | 270.2874                       | 1.73647665         | 39.8974479                  | 51.5409093              | 0.04588236                      | 0                        | 0                   |
|          | Desv. Est.           | 0.26178522        | 0.0155591                        | 0.00374508           | 0.0156362                | 0.27560449       | 0                              | 0                  | 0.0764477                   | 0.04867074              | 0                               | 0                        | 0                   |



| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 27/07/2018           | 95.14686          | 0.18005                          | 0.17461              | 0.35466                  | 3.62998          | 270.2367                       | 2.54274768         | 39.6398874                  | 51.3873183              | 0.45882364                      |                          |                     |
| 01:00:00 | 27/07/2018           | 95.24141          | 0.1791                           | 0.17158              | 0.35068                  | 3.58214          |                                |                    | 39.5972472                  | 51.3660013              |                                 |                          |                     |
| 02:00:00 | 27/07/2018           | 94.74505          | 0.1913                           | 0.17016              | 0.36146                  | 4.07028          |                                |                    | 39.7297967                  | 51.4315765              |                                 |                          |                     |
| 03:00:00 | 27/07/2018           | 94.72592          | 0.23497                          | 0.16887              | 0.40384                  | 4.08161          |                                |                    | 39.6927753                  | 51.3810511              |                                 |                          |                     |
| 04:00:00 | 27/07/2018           | 95.17671          | 0.22233                          | 0.16848              | 0.39081                  | 3.65456          |                                |                    | 39.5669856                  | 51.3203926              |                                 |                          |                     |
| 05:00:00 | 27/07/2018           | 94.7676           | 0.23116                          | 0.16688              | 0.39804                  | 4.05116          |                                |                    | 39.681336                   | 51.3783677              |                                 |                          |                     |
| 06:00:00 | 27/07/2018           | 94.67754          | 0.22194                          | 0.16903              | 0.39097                  | 4.14507          |                                |                    | 39.7123537                  | 51.4010719              |                                 |                          |                     |
| 07:00:00 | 27/07/2018           | 95.00881          | 0.19431                          | 0.16974              | 0.36405                  | 3.83428          |                                |                    | 39.6377928                  | 51.3788406              |                                 |                          |                     |
| 08:00:00 | 27/07/2018           | 95.33997          | 0.1726                           | 0.16949              | 0.34209                  | 3.52124          |                                |                    | 39.5580715                  | 51.3500644              |                                 |                          |                     |
| 09:00:00 | 27/07/2018           | 95.29511          | 0.1737                           | 0.16864              | 0.34234                  | 3.56231          |                                |                    | 39.5721047                  | 51.357446               |                                 |                          |                     |
| 10:00:00 | 27/07/2018           | 95.30493          | 0.17502                          | 0.16966              | 0.34468                  | 3.5476           |                                |                    | 39.5693272                  | 51.3544717              |                                 |                          |                     |
| 11:00:00 | 27/07/2018           | 95.31016          | 0.1735                           | 0.17026              | 0.34376                  | 3.55472          |                                |                    | 39.5638139                  | 51.3522887              |                                 |                          |                     |
| 12:00:00 | 27/07/2018           | 95.2952           | 0.17361                          | 0.16903              | 0.34264                  | 3.57481          |                                |                    | 39.5688553                  | 51.3555861              |                                 |                          |                     |
| 13:00:00 | 27/07/2018           | 95.3803           | 0.17194                          | 0.16567              | 0.33761                  | 3.52383          |                                |                    | 39.5371133                  | 51.3408683              |                                 |                          |                     |
| 14:00:00 | 27/07/2018           | 95.21004          | 0.17257                          | 0.1685               | 0.34107                  | 3.65108          |                                |                    | 39.6017386                  | 51.3746926              |                                 |                          |                     |
| 15:00:00 | 27/07/2018           | 95.05697          | 0.19471                          | 0.16834              | 0.36305                  | 3.76551          |                                |                    | 39.6405978                  | 51.3805325              |                                 |                          |                     |
| 16:00:00 | 27/07/2018           | 95.09777          | 0.19505                          | 0.16657              | 0.36162                  | 3.72188          |                                |                    | 39.6283107                  | 51.3743289              |                                 |                          |                     |
| 17:00:00 | 27/07/2018           | 94.92751          | 0.21872                          | 0.1661               | 0.38482                  | 3.82571          |                                |                    | 39.6792553                  | 51.385863               |                                 |                          |                     |
| 18:00:00 | 27/07/2018           | 94.95642          | 0.23811                          | 0.16677              | 0.40488                  | 3.77852          |                                |                    | 39.6573533                  | 51.3597203              |                                 |                          |                     |
| 19:00:00 | 27/07/2018           | 95.0108           | 0.20879                          | 0.16695              | 0.37574                  | 3.75029          |                                |                    | 39.6638382                  | 51.3838846              |                                 |                          |                     |
| 20:00:00 | 27/07/2018           | 94.99484          | 0.17918                          | 0.17045              | 0.34963                  | 3.76368          |                                |                    | 39.6981054                  | 51.4219843              |                                 |                          |                     |
| 21:00:00 | 27/07/2018           | 94.97627          | 0.17403                          | 0.1715               | 0.34553                  | 3.7716           |                                |                    | 39.7132431                  | 51.4334185              |                                 |                          |                     |
| 22:00:00 | 27/07/2018           | 94.98569          | 0.17431                          | 0.1731               | 0.34741                  | 3.7631           |                                |                    | 39.7091595                  | 51.430221               |                                 |                          |                     |
| 23:00:00 | 27/07/2018           | 94.97085          | 0.17756                          | 0.17461              | 0.35217                  | 3.78467          |                                |                    | 39.7021523                  | 51.4234489              |                                 |                          |                     |
|          | Mínimo               | 94.67754          | 0.17194                          | 0.16567              | 0.33761                  | 3.52124          | 270.2367                       | 2.54274768         | 39.5371133                  | 51.3203926              | 0.45882364                      | 0                        | 0                   |
|          | Promedio             | 95.0667804        | 0.19285667                       | 0.16937458           | 0.36223125               | 3.74623458       | 270.2367                       | 2.54274768         | 39.638384                   | 51.3801433              | 0.45882364                      | 0                        | 0                   |
|          | Máximo               | 95.3803           | 0.23811                          | 0.17461              | 0.40488                  | 4.14507          | 270.2367                       | 2.54274768         | 39.7297967                  | 51.4334185              | 0.45882364                      | 0                        | 0                   |
|          | Desv. Est.           | 0.20764599        | 0.0229375                        | 0.00242926           | 0.02187969               | 0.18482282       | 0                              | 0                  | 0.06045472                  | 0.03051059              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 28/07/2018           | 94.94559          | 0.17606                          | 0.17471              | 0.35077                  | 3.83798          | 270.2347                       | 1.9481402          | 39.6973309                  | 51.4219709              | 0.08411767                      |                          |                     |
| 01:00:00 | 28/07/2018           | 94.96102          | 0.17916                          | 0.1739               | 0.35306                  | 3.83093          |                                |                    | 39.6886                     | 51.4153713              |                                 |                          |                     |
| 02:00:00 | 28/07/2018           | 94.96412          | 0.18372                          | 0.17166              | 0.35538                  | 3.85572          |                                |                    | 39.6702635                  | 51.4032414              |                                 |                          |                     |
| 03:00:00 | 28/07/2018           | 94.94775          | 0.18395                          | 0.17579              | 0.35974                  | 3.84975          |                                |                    | 39.6780408                  | 51.4053883              |                                 |                          |                     |
| 04:00:00 | 28/07/2018           | 94.9614           | 0.18301                          | 0.17577              | 0.35878                  | 3.84961          |                                |                    | 39.6698787                  | 51.4015905              |                                 |                          |                     |
| 05:00:00 | 28/07/2018           | 94.95763          | 0.19237                          | 0.17611              | 0.36848                  | 3.82221          |                                |                    | 39.6733342                  | 51.396624               |                                 |                          |                     |
| 06:00:00 | 28/07/2018           | 94.97908          | 0.18768                          | 0.17367              | 0.36135                  | 3.8155           |                                |                    | 39.6679444                  | 51.3981248              |                                 |                          |                     |
| 07:00:00 | 28/07/2018           | 95.01153          | 0.18488                          | 0.17508              | 0.35996                  | 3.77821          |                                |                    | 39.6628576                  | 51.3965875              |                                 |                          |                     |
| 08:00:00 | 28/07/2018           | 94.92133          | 0.18495                          | 0.17721              | 0.36216                  | 3.8399           |                                |                    | 39.6981557                  | 51.4149711              |                                 |                          |                     |
| 09:00:00 | 28/07/2018           | 94.85862          | 0.19015                          | 0.1778               | 0.36795                  | 3.8929           |                                |                    | 39.7146544                  | 51.4201422              |                                 |                          |                     |
| 10:00:00 | 28/07/2018           | 94.7832           | 0.18817                          | 0.17921              | 0.36738                  | 3.95676          |                                |                    | 39.7419279                  | 51.435929               |                                 |                          |                     |
| 11:00:00 | 28/07/2018           | 94.75932          | 0.18732                          | 0.18094              | 0.36826                  | 3.96632          |                                |                    | 39.7550949                  | 51.4429194              |                                 |                          |                     |
| 12:00:00 | 28/07/2018           | 94.76688          | 0.18593                          | 0.18066              | 0.36659                  | 3.97685          |                                |                    | 39.7485964                  | 51.4405136              |                                 |                          |                     |
| 13:00:00 | 28/07/2018           | 94.76975          | 0.1848                           | 0.1798               | 0.3646                   | 3.97837          |                                |                    | 39.7508742                  | 51.4429377              |                                 |                          |                     |
| 14:00:00 | 28/07/2018           | 94.84873          | 0.18499                          | 0.17827              | 0.36326                  | 3.91706          |                                |                    | 39.7251543                  | 51.4293249              |                                 |                          |                     |
| 15:00:00 | 28/07/2018           | 94.76854          | 0.19251                          | 0.18016              | 0.37267                  | 3.97124          |                                |                    | 39.7485687                  | 51.4360288              |                                 |                          |                     |
| 16:00:00 | 28/07/2018           | 94.77563          | 0.19336                          | 0.17911              | 0.37247                  | 3.94399          |                                |                    | 39.7547649                  | 51.4392353              |                                 |                          |                     |
| 17:00:00 | 28/07/2018           | 94.73909          | 0.19246                          | 0.17817              | 0.37063                  | 3.9617           |                                |                    | 39.7768919                  | 51.4524251              |                                 |                          |                     |
| 18:00:00 | 28/07/2018           | 94.72102          | 0.1964                           | 0.17722              | 0.37362                  | 3.96753          |                                |                    | 39.784243                   | 51.4540943              |                                 |                          |                     |
| 19:00:00 | 28/07/2018           | 94.72493          | 0.20974                          | 0.1763               | 0.38604                  | 3.94637          |                                |                    | 39.7759063                  | 51.4404998              |                                 |                          |                     |
| 20:00:00 | 28/07/2018           | 94.66711          | 0.20122                          | 0.17608              | 0.3773                   | 4.00362          |                                |                    | 39.8043759                  | 51.4622856              |                                 |                          |                     |
| 21:00:00 | 28/07/2018           | 94.65805          | 0.19793                          | 0.17617              | 0.3741                   | 4.01651          |                                |                    | 39.8077906                  | 51.4664652              |                                 |                          |                     |
| 22:00:00 | 28/07/2018           | 94.46717          | 0.19598                          | 0.18017              | 0.37615                  | 4.17055          |                                |                    | 39.8761597                  | 51.5036509              |                                 |                          |                     |
| 23:00:00 | 28/07/2018           | 94.46651          | 0.19781                          | 0.1824               | 0.38021                  | 4.18511          |                                |                    | 39.8675805                  | 51.496665               |                                 |                          |                     |
|          | Mínimo               | 94.46651          | 0.17606                          | 0.17166              | 0.35077                  | 3.77821          | 270.2347                       | 1.9481402          | 39.6628576                  | 51.3965875              | 0.08411767                      | 0                        | 0                   |
|          | Promedio             | 94.8093333        | 0.18977292                       | 0.17734833           | 0.36712125               | 3.93061208       | 270.2347                       | 1.9481402          | 39.7391246                  | 51.4340411              | 0.08411767                      | 0                        | 0                   |
|          | Máximo               | 95.01153          | 0.20974                          | 0.1824               | 0.38604                  | 4.18511          | 270.2347                       | 1.9481402          | 39.8761597                  | 51.5036509              | 0.08411767                      | 0                        | 0                   |
|          | Desv. Est.           | 0.15078913        | 0.00756786                       | 0.00263778           | 0.00869446               | 0.1023892        | 0                              | 0                  | 0.0608431                   | 0.02920789              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 29/07/2018           | 94.46515          | 0.1963                           | 0.18132              | 0.37762                  | 4.21374          | 270.2458                       | 2.22664488         | 39.8549128                  | 51.4914209              | 0.17588239                      |                          |                     |
| 01:00:00 | 29/07/2018           | 94.50068          | 0.19438                          | 0.17958              | 0.37396                  | 4.20545          |                                |                    | 39.8346011                  | 51.4824975              |                                 |                          |                     |
| 02:00:00 | 29/07/2018           | 94.49303          | 0.19439                          | 0.18161              | 0.376                    | 4.20531          |                                |                    | 39.8425616                  | 51.4858675              |                                 |                          |                     |
| 03:00:00 | 29/07/2018           | 94.51272          | 0.19342                          | 0.18193              | 0.37535                  | 4.17921          |                                |                    | 39.843121                   | 51.4866362              |                                 |                          |                     |
| 04:00:00 | 29/07/2018           | 94.54636          | 0.19225                          | 0.18316              | 0.37541                  | 4.15782          |                                |                    | 39.8228776                  | 51.4758163              |                                 |                          |                     |
| 05:00:00 | 29/07/2018           | 94.56419          | 0.19411                          | 0.18384              | 0.37795                  | 4.14457          |                                |                    | 39.8122955                  | 51.4683892              |                                 |                          |                     |
| 06:00:00 | 29/07/2018           | 94.53388          | 0.20117                          | 0.18633              | 0.3875                   | 4.13891          |                                |                    | 39.8323278                  | 51.4731147              |                                 |                          |                     |
| 07:00:00 | 29/07/2018           | 94.21157          | 0.20294                          | 0.18743              | 0.39037                  | 4.42852          |                                |                    | 39.933736                   | 51.527351               |                                 |                          |                     |
| 08:00:00 | 29/07/2018           | 93.83483          | 0.19985                          | 0.18712              | 0.38697                  | 4.80574          |                                |                    | 40.0410747                  | 51.589074               |                                 |                          |                     |
| 09:00:00 | 29/07/2018           | 94.35999          | 0.20185                          | 0.18863              | 0.39048                  | 4.2945           |                                |                    | 39.8810772                  | 51.498557               |                                 |                          |                     |
| 10:00:00 | 29/07/2018           | 94.5113           | 0.20124                          | 0.1901               | 0.39134                  | 4.14319          |                                |                    | 39.8358979                  | 51.4732965              |                                 |                          |                     |
| 11:00:00 | 29/07/2018           | 94.47282          | 0.20132                          | 0.18994              | 0.39126                  | 4.16685          |                                |                    | 39.8545554                  | 51.4835433              |                                 |                          |                     |
| 12:00:00 | 29/07/2018           | 94.4368           | 0.19867                          | 0.19242              | 0.39109                  | 4.18745          |                                |                    | 39.8734832                  | 51.4946273              |                                 |                          |                     |
| 13:00:00 | 29/07/2018           | 94.40344          | 0.19779                          | 0.19414              | 0.39193                  | 4.20452          |                                |                    | 39.8921501                  | 51.5046469              |                                 |                          |                     |
| 14:00:00 | 29/07/2018           | 94.3926           | 0.19452                          | 0.19076              | 0.38528                  | 4.2243           |                                |                    | 39.9010912                  | 51.5134477              |                                 |                          |                     |
| 15:00:00 | 29/07/2018           | 94.40924          | 0.19505                          | 0.19286              | 0.38791                  | 4.19638          |                                |                    | 39.9011554                  | 51.5120374              |                                 |                          |                     |
| 16:00:00 | 29/07/2018           | 94.51901          | 0.19629                          | 0.19003              | 0.38632                  | 4.09717          |                                |                    | 39.8683596                  | 51.4943542              |                                 |                          |                     |
| 17:00:00 | 29/07/2018           | 94.6054           | 0.19714                          | 0.18977              | 0.38691                  | 4.02496          |                                |                    | 39.836975                   | 51.4765894              |                                 |                          |                     |
| 18:00:00 | 29/07/2018           | 94.67028          | 0.1997                           | 0.18717              | 0.38687                  | 3.97299          |                                |                    | 39.8142068                  | 51.4634361              |                                 |                          |                     |
| 19:00:00 | 29/07/2018           | 94.67649          | 0.19941                          | 0.18539              | 0.3848                   | 3.94983          |                                |                    | 39.8200408                  | 51.4676068              |                                 |                          |                     |
| 20:00:00 | 29/07/2018           | 94.5079           | 0.20613                          | 0.18911              | 0.39524                  | 4.02339          |                                |                    | 39.9012241                  | 51.5055746              |                                 |                          |                     |
| 21:00:00 | 29/07/2018           | 94.35761          | 0.20606                          | 0.19211              | 0.39817                  | 4.10197          |                                |                    | 39.9786909                  | 51.5466125              |                                 |                          |                     |
| 22:00:00 | 29/07/2018           | 94.34793          | 0.22934                          | 0.18984              | 0.41918                  | 4.10098          |                                |                    | 39.9608169                  | 51.5215342              |                                 |                          |                     |
| 23:00:00 | 29/07/2018           | 94.39485          | 0.23778                          | 0.18764              | 0.42542                  | 4.07798          |                                |                    | 39.9273292                  | 51.4983114              |                                 |                          |                     |
|          | Mínimo               | 93.83483          | 0.19225                          | 0.17958              | 0.37396                  | 3.94983          | 270.2458                       | 2.22664488         | 39.8122955                  | 51.4634361              | 0.17588239                      | 0                        | 0                   |
|          | Promedio             | 94.4470029        | 0.20129583                       | 0.18759292           | 0.38888875               | 4.17690542       | 270.2458                       | 2.22664488         | 39.8776901                  | 51.4972643              | 0.17588239                      | 0                        | 0                   |
|          | Máximo               | 94.67649          | 0.23778                          | 0.19414              | 0.42542                  | 4.80574          | 270.2458                       | 2.22664488         | 40.0410747                  | 51.589074               | 0.17588239                      | 0                        | 0                   |
|          | Desv. Est.           | 0.16769153        | 0.01070812                       | 0.00399606           | 0.01226612               | 0.1681703        | 0                              | 0                  | 0.05779444                  | 0.02841197              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 30/07/2018           | 94.32204          | 0.20675                          | 0.19017              | 0.39692                  | 4.1835           | 270.2521                       | 2.16955142         | 39.9641534                  | 51.5393266              | 0                               |                          |                     |
| 01:00:00 | 30/07/2018           | 94.01933          | 0.20782                          | 0.19036              | 0.39818                  | 4.51412          |                                |                    | 40.0342094                  | 51.5774535              |                                 |                          |                     |
| 02:00:00 | 30/07/2018           | 93.60781          | 0.20194                          | 0.1838               | 0.38574                  | 4.99675          |                                |                    | 40.129073                   | 51.6374481              |                                 |                          |                     |
| 03:00:00 | 30/07/2018           | 94.34594          | 0.20091                          | 0.1841               | 0.38501                  | 4.29804          |                                |                    | 39.9020493                  | 51.5127334              |                                 |                          |                     |
| 04:00:00 | 30/07/2018           | 94.30206          | 0.19956                          | 0.18313              | 0.38269                  | 4.33786          |                                |                    | 39.9191025                  | 51.5235354              |                                 |                          |                     |
| 05:00:00 | 30/07/2018           | 94.29603          | 0.19463                          | 0.18454              | 0.37917                  | 4.38681          |                                |                    | 39.9059678                  | 51.5193192              |                                 |                          |                     |
| 06:00:00 | 30/07/2018           | 94.24216          | 0.18901                          | 0.18127              | 0.37028                  | 4.47899          |                                |                    | 39.9130666                  | 51.5289021              |                                 |                          |                     |
| 07:00:00 | 30/07/2018           | 94.18382          | 0.18958                          | 0.17847              | 0.36805                  | 4.53964          |                                |                    | 39.9291485                  | 51.538726               |                                 |                          |                     |
| 08:00:00 | 30/07/2018           | 94.3145           | 0.1938                           | 0.17802              | 0.37182                  | 4.41383          |                                |                    | 39.8902068                  | 51.5144071              |                                 |                          |                     |
| 09:00:00 | 30/07/2018           | 94.35779          | 0.19181                          | 0.17893              | 0.37074                  | 4.38372          |                                |                    | 39.8684283                  | 51.5034688              |                                 |                          |                     |
| 10:00:00 | 30/07/2018           | 94.44702          | 0.19244                          | 0.17949              | 0.37193                  | 4.31037          |                                |                    | 39.831723                   | 51.4825839              |                                 |                          |                     |
| 11:00:00 | 30/07/2018           | 94.52841          | 0.19726                          | 0.17659              | 0.37385                  | 4.24074          |                                |                    | 39.8003936                  | 51.463277               |                                 |                          |                     |
| 12:00:00 | 30/07/2018           | 94.49157          | 0.19345                          | 0.17537              | 0.36882                  | 4.29164          |                                |                    | 39.8113561                  | 51.4726415              |                                 |                          |                     |
| 13:00:00 | 30/07/2018           | 94.47295          | 0.19197                          | 0.17375              | 0.36572                  | 4.29641          |                                |                    | 39.8277771                  | 51.483407               |                                 |                          |                     |
| 14:00:00 | 30/07/2018           | 94.47649          | 0.19525                          | 0.17223              | 0.36748                  | 4.29845          |                                |                    | 39.8231847                  | 51.4792866              |                                 |                          |                     |
| 15:00:00 | 30/07/2018           | 94.62032          | 0.20126                          | 0.17                 | 0.37126                  | 4.12498          |                                |                    | 39.7906866                  | 51.457933               |                                 |                          |                     |
| 16:00:00 | 30/07/2018           | 94.68812          | 0.20122                          | 0.1704               | 0.37162                  | 4.04496          |                                |                    | 39.7768644                  | 51.4500328              |                                 |                          |                     |
| 17:00:00 | 30/07/2018           | 94.7833           | 0.20407                          | 0.17096              | 0.37503                  | 3.93928          |                                |                    | 39.7546827                  | 51.4353694              |                                 |                          |                     |
| 18:00:00 | 30/07/2018           | 94.84905          | 0.24239                          | 0.16629              | 0.40868                  | 3.86776          |                                |                    | 39.6995674                  | 51.3801688              |                                 |                          |                     |
| 19:00:00 | 30/07/2018           | 94.77122          | 0.22542                          | 0.16702              | 0.39244                  | 3.96357          |                                |                    | 39.7296134                  | 51.4084945              |                                 |                          |                     |
| 20:00:00 | 30/07/2018           | 94.67902          | 0.20344                          | 0.16835              | 0.37179                  | 4.0681           |                                |                    | 39.7742198                  | 51.4480272              |                                 |                          |                     |
| 21:00:00 | 30/07/2018           | 94.65054          | 0.2023                           | 0.16809              | 0.37039                  | 4.10789          |                                |                    | 39.7758928                  | 51.4499828              |                                 |                          |                     |
| 22:00:00 | 30/07/2018           | 94.51572          | 0.20302                          | 0.16722              | 0.37024                  | 4.24369          |                                |                    | 39.8158381                  | 51.471991               |                                 |                          |                     |
| 23:00:00 | 30/07/2018           | 94.42697          | 0.19855                          | 0.16905              | 0.3676                   | 4.33683          |                                |                    | 39.8417003                  | 51.4886328              |                                 |                          |                     |
|          | <b>Mínimo</b>        | 93.60781          | 0.18901                          | 0.16629              | 0.36572                  | 3.86776          | 270.2521                       | 2.16955142         | 39.6995674                  | 51.3801688              | 0                               | 0                        | 0                   |
|          | <b>Promedio</b>      | 94.4330075        | 0.20116042                       | 0.17615              | 0.37731042               | 4.27783042       | 270.2521                       | 2.16955142         | 39.8545377                  | 51.4902978              | 0                               | 0                        | 0                   |
|          | <b>Máximo</b>        | 94.84905          | 0.24239                          | 0.19036              | 0.40868                  | 4.99675          | 270.2521                       | 2.16955142         | 40.129073                   | 51.6374481              | 0                               | 0                        | 0                   |
|          | <b>Desv. Est.</b>    | 0.26924934        | 0.01166298                       | 0.00737087           | 0.01150631               | 0.23555828       | 0                              | 0                  | 0.09784929                  | 0.05446177              | 0                               | 0                        | 0                   |

| Hora     | FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m3) | Poder Calorífico<br>(MJ/m3) | Índice Wobbe<br>(MJ/m3) | Acido<br>Sulfhídrico<br>(mg/m3) | Azufre total*<br>(mg/m3) | Oxígeno*<br>(% vol) |
|----------|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 00:00:00 | 31/07/2018           | 94.46118          | 0.19375                          | 0.17115              | 0.3649                   | 4.33545          | 270.2236                       | 2.02612151         | 39.8180656                  | 51.4781629              | 0.15294121                      |                          |                     |
| 01:00:00 | 31/07/2018           | 94.49267          | 0.19451                          | 0.17038              | 0.36489                  | 4.31123          |                                |                    | 39.8052102                  | 51.470918               |                                 |                          |                     |
| 02:00:00 | 31/07/2018           | 94.4193           | 0.19389                          | 0.16717              | 0.36106                  | 4.40315          |                                |                    | 39.8212279                  | 51.4818198              |                                 |                          |                     |
| 03:00:00 | 31/07/2018           | 94.34888          | 0.19533                          | 0.1571               | 0.35243                  | 4.5099           |                                |                    | 39.8318007                  | 51.4915345              |                                 |                          |                     |
| 04:00:00 | 31/07/2018           | 94.26501          | 0.18698                          | 0.15827              | 0.34525                  | 4.60259          |                                |                    | 39.8601787                  | 51.5125788              |                                 |                          |                     |
| 05:00:00 | 31/07/2018           | 94.49552          | 0.19656                          | 0.15753              | 0.35409                  | 4.37226          |                                |                    | 39.783331                   | 51.4636999              |                                 |                          |                     |
| 06:00:00 | 31/07/2018           | 94.55418          | 0.19419                          | 0.17638              | 0.37057                  | 4.26497          |                                |                    | 39.772726                   | 51.4505283              |                                 |                          |                     |
| 07:00:00 | 31/07/2018           | 94.56321          | 0.19654                          | 0.17084              | 0.36738                  | 4.2675           |                                |                    | 39.7678678                  | 51.4488003              |                                 |                          |                     |
| 08:00:00 | 31/07/2018           | 94.57084          | 0.18772                          | 0.16851              | 0.35623                  | 4.27721          |                                |                    | 39.7702466                  | 51.4574554              |                                 |                          |                     |
| 09:00:00 | 31/07/2018           | 94.59575          | 0.18219                          | 0.16993              | 0.35212                  | 4.2589           |                                |                    | 39.7638164                  | 51.4571551              |                                 |                          |                     |
| 10:00:00 | 31/07/2018           | 94.61723          | 0.17959                          | 0.16874              | 0.34833                  | 4.23885          |                                |                    | 39.7602967                  | 51.4575873              |                                 |                          |                     |
| 11:00:00 | 31/07/2018           | 94.70425          | 0.17634                          | 0.16651              | 0.34285                  | 4.18772          |                                |                    | 39.7246182                  | 51.4413594              |                                 |                          |                     |
| 12:00:00 | 31/07/2018           | 94.82092          | 0.17971                          | 0.16789              | 0.3476                   | 4.06674          |                                |                    | 39.6869503                  | 51.4174771              |                                 |                          |                     |
| 13:00:00 | 31/07/2018           | 94.9694           | 0.18301                          | 0.16716              | 0.35017                  | 3.9304           |                                |                    | 39.6374583                  | 51.388128               |                                 |                          |                     |
| 14:00:00 | 31/07/2018           | 94.957            | 0.18707                          | 0.16712              | 0.35419                  | 3.92408          |                                |                    | 39.6446262                  | 51.3891559              |                                 |                          |                     |
| 15:00:00 | 31/07/2018           | 94.87769          | 0.19411                          | 0.16729              | 0.3614                   | 3.98821          |                                |                    | 39.6686319                  | 51.3973423              |                                 |                          |                     |
| 16:00:00 | 31/07/2018           | 94.7312           | 0.20007                          | 0.16596              | 0.36603                  | 4.11845          |                                |                    | 39.7166345                  | 51.4202331              |                                 |                          |                     |
| 17:00:00 | 31/07/2018           | 94.65844          | 0.21236                          | 0.16439              | 0.37675                  | 4.17849          |                                |                    | 39.7294073                  | 51.4193963              |                                 |                          |                     |
| 18:00:00 | 31/07/2018           | 94.58032          | 0.20171                          | 0.16467              | 0.36638                  | 4.26043          |                                |                    | 39.7632529                  | 51.4454664              |                                 |                          |                     |
| 19:00:00 | 31/07/2018           | 94.54542          | 0.18811                          | 0.16349              | 0.3516                   | 4.30105          |                                |                    | 39.7866766                  | 51.4685345              |                                 |                          |                     |
| 20:00:00 | 31/07/2018           | 94.28751          | 0.15595                          | 0.1669               | 0.32285                  | 4.55658          |                                |                    | 39.8912884                  | 51.5473312              |                                 |                          |                     |
| 21:00:00 | 31/07/2018           | 94.49218          | 0.16611                          | 0.16674              | 0.33285                  | 4.34215          |                                |                    | 39.8263929                  | 51.5043466              |                                 |                          |                     |
| 22:00:00 | 31/07/2018           | 94.40604          | 0.15774                          | 0.1661               | 0.32384                  | 4.45007          |                                |                    | 39.8514298                  | 51.5244631              |                                 |                          |                     |
| 23:00:00 | 31/07/2018           | 94.7312           | 0.20007                          | 0.16596              | 0.36603                  | 4.11845          |                                |                    | 39.7166345                  | 51.4202331              |                                 |                          |                     |
|          | Mínimo               | 94.26501          | 0.15595                          | 0.1571               | 0.32285                  | 3.92408          | 270.2236                       | 2.02612151         | 39.6374583                  | 51.388128               | 0.15294121                      | 0                        | 0                   |
|          | Promedio             | 94.5893892        | 0.18765042                       | 0.1665075            | 0.35415792               | 4.26103458       | 270.2236                       | 2.02612151         | 39.7666154                  | 51.4564045              | 0.15294121                      | 0                        | 0                   |
|          | Máximo               | 94.9694           | 0.21236                          | 0.17638              | 0.37675                  | 4.60259          | 270.2236                       | 2.02612151         | 39.8912884                  | 51.5473312              | 0.15294121                      | 0                        | 0                   |
|          | Desv. Est.           | 0.1911464         | 0.01353519                       | 0.00433464           | 0.01381237               | 0.17927248       | 0                              | 0                  | 0.0668809                   | 0.04156378              | 0                               | 0                        | 0                   |