

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Troncal 48**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico<br>MJ/m3                                  | I. Wobbe<br>MJ/m3                                         |
| 6/1/2012         | 84.0184                         | 8.3719                         | 6.6537                     | 0.0027                      | 6.6564                                   | 38.2332                                                    | 48.0430                                                   |
| 6/2/2012         | 83.9301                         | 8.5490                         | 6.9805                     | 0.0023                      | 6.9828                                   | 37.8945                                                    | 47.7069                                                   |
| 6/3/2012         | 84.2596                         | 8.3312                         | 6.9890                     | 0.0019                      | 6.9909                                   | 37.7550                                                    | 47.6186                                                   |
| 6/4/2012         | 83.6226                         | 8.5143                         | 7.1029                     | 0.0005                      | 7.1034                                   | 37.9817                                                    | 47.7125                                                   |
| 6/5/2012         | 84.5019                         | 7.8788                         | 7.1586                     | 0.0001                      | 7.1587                                   | 37.5869                                                    | 47.4479                                                   |
| 6/6/2012         | 83.4084                         | 7.7792                         | 8.3831                     | 0.0025                      | 8.3855                                   | 37.0752                                                    | 46.6438                                                   |
| 6/7/2012         | 83.4981                         | 7.9363                         | 8.1239                     | 0.0020                      | 8.1259                                   | 37.2293                                                    | 46.8421                                                   |
| 6/8/2012         | 83.6175                         | 7.7461                         | 8.2020                     | 0.0018                      | 8.2038                                   | 37.1423                                                    | 46.7572                                                   |
| 6/9/2012         | 83.1449                         | 7.9187                         | 8.4755                     | 0.0010                      | 8.4765                                   | 37.1103                                                    | 46.6305                                                   |
| 6/10/2012        | 84.3522                         | 7.5465                         | 7.7329                     | 0.0013                      | 7.7342                                   | 37.2255                                                    | 46.9947                                                   |
| 6/11/2012        | 84.5306                         | 7.5930                         | 7.4960                     | 0.0053                      | 7.5012                                   | 37.3297                                                    | 47.1515                                                   |
| 6/12/2012        | 84.9151                         | 7.1286                         | 7.5993                     | 0.0033                      | 7.6027                                   | 37.1457                                                    | 46.9970                                                   |
| 6/13/2012        | 84.4076                         | 6.9711                         | 8.2966                     | 0.0021                      | 8.2987                                   | 36.8160                                                    | 46.5169                                                   |
| 6/14/2012        | 83.7081                         | 7.4751                         | 8.3699                     | 0.0028                      | 8.3727                                   | 37.0081                                                    | 46.6073                                                   |
| 6/15/2012        | 83.6587                         | 7.5791                         | 8.4753                     | 0.0000                      | 8.4753                                   | 36.9026                                                    | 46.5013                                                   |
| 6/16/2012        | 83.3791                         | 7.9141                         | 8.3728                     | 0.0004                      | 8.3732                                   | 37.0659                                                    | 46.6435                                                   |
| 6/17/2012        | 83.1096                         | 7.9793                         | 8.5796                     | 0.0005                      | 8.5801                                   | 37.0041                                                    | 46.5240                                                   |
| 6/18/2012        | 83.1958                         | 7.7119                         | 8.7175                     | 0.0012                      | 8.7187                                   | 36.8996                                                    | 46.4044                                                   |
| 6/19/2012        | 83.4713                         | 7.6014                         | 8.5364                     | 0.0018                      | 8.5383                                   | 36.9457                                                    | 46.5032                                                   |
| 6/20/2012        | 83.4436                         | 7.6649                         | 8.5338                     | 0.0011                      | 8.5349                                   | 36.9473                                                    | 46.5056                                                   |
| 6/21/2012        | 83.4773                         | 7.5738                         | 8.6144                     | 0.0019                      | 8.6164                                   | 36.8763                                                    | 46.4291                                                   |
| 6/22/2012        | 83.6666                         | 7.6803                         | 8.3353                     | 0.0023                      | 8.3375                                   | 37.0011                                                    | 46.6165                                                   |
| 6/23/2012        | 82.6831                         | 8.2834                         | 8.6530                     | 0.0017                      | 8.6547                                   | 37.0903                                                    | 46.5488                                                   |
| 6/24/2012        | 82.3442                         | 8.5149                         | 8.7753                     | 0.0006                      | 8.7758                                   | 37.1020                                                    | 46.5095                                                   |
| 6/25/2012        | 82.9854                         | 9.0962                         | 7.4955                     | 0.0030                      | 7.4985                                   | 37.7848                                                    | 47.4344                                                   |
| 6/26/2012        | 83.5930                         | 8.6280                         | 7.4334                     | 0.0040                      | 7.4374                                   | 37.6274                                                    | 47.3615                                                   |
| 6/27/2012        | 82.9379                         | 8.6695                         | 7.9626                     | 0.0590                      | 8.0216                                   | 37.4607                                                    | 47.0470                                                   |
| 6/28/2012        | 83.1799                         | 8.8692                         | 7.5557                     | 0.0170                      | 7.5727                                   | 37.6841                                                    | 47.3275                                                   |
| 6/29/2012        | 83.4195                         | 8.4111                         | 7.8416                     | 0.0044                      | 7.8459                                   | 37.3967                                                    | 47.0556                                                   |
| 6/30/2012        | 84.0615                         | 8.2514                         | 7.3484                     | 0.0031                      | 7.3516                                   | 37.5456                                                    | 47.3453                                                   |
| <b>Promedios</b> | <b>83.6174</b>                  | <b>8.0056</b>                  | <b>7.9598</b>              | <b>0.0044</b>               | <b>7.9642</b>                            | <b>37.2956</b>                                             | <b>46.9476</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 84.9151 | 9.0962 | 8.7753 | 0.0590 | 8.7758 | 38.2332                   | 48.0430           |
| <b>Mínimo</b>         | 82.3442 | 6.9711 | 6.6537 | 0.0000 | 6.6564 | 36.8160                   | 46.4044           |
| <b>Desv. Estándar</b> | 0.5806  | 0.5125 | 0.6161 | 0.0107 | 0.6154 | 0.3756                    | 0.4650            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Mayakan**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 84.2563                         | 6.6638                         | 8.4161                     | 0.0290                      | 8.4451                                   | 36.9353                                                    | 46.5326                                                   |
| 6/2/2012         | 84.0404                         | 6.6625                         | 8.6841                     | 0.0211                      | 8.7053                                   | 36.8142                                                    | 46.3705                                                   |
| 6/3/2012         | 83.7553                         | 6.7444                         | 8.9196                     | 0.0218                      | 8.9413                                   | 36.7082                                                    | 46.2049                                                   |
| 6/4/2012         | 83.1583                         | 7.1721                         | 9.1293                     | 0.0174                      | 9.1467                                   | 36.7213                                                    | 46.1364                                                   |
| 6/5/2012         | 84.1749                         | 6.2316                         | 9.1589                     | 0.0137                      | 9.1726                                   | 36.3830                                                    | 45.9051                                                   |
| 6/6/2012         | 84.4494                         | 5.9263                         | 9.2029                     | 0.0138                      | 9.2167                                   | 36.2652                                                    | 45.8104                                                   |
| 6/7/2012         | 83.7816                         | 6.3794                         | 9.3325                     | 0.0189                      | 9.3514                                   | 36.4098                                                    | 45.8538                                                   |
| 6/8/2012         | 84.2721                         | 6.4205                         | 8.8632                     | 0.0130                      | 8.8762                                   | 36.5713                                                    | 46.1384                                                   |
| 6/9/2012         | 84.4029                         | 6.0192                         | 9.1876                     | 0.0105                      | 9.1981                                   | 36.3258                                                    | 45.8674                                                   |
| 6/10/2012        | 84.7493                         | 5.9736                         | 8.9394                     | 0.0056                      | 8.9449                                   | 36.3740                                                    | 45.9882                                                   |
| 6/11/2012        | 83.2649                         | 6.3975                         | 8.9050                     | 0.0258                      | 8.9308                                   | 36.5968                                                    | 46.0818                                                   |
| 6/12/2012        | 84.1393                         | 6.3522                         | 9.1209                     | 0.0104                      | 9.1313                                   | 36.4037                                                    | 45.9325                                                   |
| 6/13/2012        | 83.9970                         | 6.2057                         | 9.4210                     | 0.0100                      | 9.4311                                   | 36.2743                                                    | 45.7418                                                   |
| 6/14/2012        | 83.6203                         | 6.3758                         | 9.5701                     | 0.0136                      | 9.5837                                   | 36.2871                                                    | 45.6889                                                   |
| 6/15/2012        | 83.4053                         | 6.6717                         | 9.4126                     | 0.0184                      | 9.4310                                   | 36.4803                                                    | 45.8689                                                   |
| 6/16/2012        | 83.3232                         | 6.5453                         | 9.6748                     | 0.0124                      | 9.6872                                   | 36.3039                                                    | 45.6590                                                   |
| 6/17/2012        | 83.2670                         | 7.6416                         | 8.7066                     | 0.0056                      | 8.7123                                   | 36.9433                                                    | 46.4411                                                   |
| 6/18/2012        | 81.2558                         | 8.3408                         | 9.9947                     | 0.0000                      | 9.9947                                   | 36.5616                                                    | 45.7009                                                   |
| 6/19/2012        | 81.6934                         | 8.0936                         | 9.8252                     | 0.0000                      | 9.8252                                   | 36.5475                                                    | 45.7559                                                   |
| 6/20/2012        | 81.5380                         | 8.4258                         | 9.6952                     | 0.0000                      | 9.6952                                   | 36.6912                                                    | 45.9055                                                   |
| 6/21/2012        | 81.7241                         | 8.0899                         | 9.8757                     | 0.0000                      | 9.8757                                   | 36.5189                                                    | 45.7351                                                   |
| 6/22/2012        | 82.6409                         | 7.3442                         | 9.6562                     | 0.0000                      | 9.6562                                   | 36.3470                                                    | 45.6809                                                   |
| 6/23/2012        | 82.5172                         | 7.4496                         | 9.5369                     | 0.0000                      | 9.5369                                   | 36.5726                                                    | 45.8985                                                   |
| 6/24/2012        | 82.3741                         | 7.8407                         | 9.3895                     | 0.0069                      | 9.3964                                   | 36.2311                                                    | 45.4596                                                   |
| 6/25/2012        | 83.4050                         | 6.9478                         | 9.2887                     | 0.0028                      | 9.2915                                   | 35.8909                                                    | 45.2075                                                   |
| 6/26/2012        | 81.7507                         | 8.7427                         | 9.0941                     | 0.0058                      | 9.0999                                   | 37.1016                                                    | 46.3857                                                   |
| 6/27/2012        | 82.1342                         | 8.2386                         | 9.1539                     | 0.0040                      | 9.1579                                   | 36.9635                                                    | 46.2768                                                   |
| 6/28/2012        | 83.2232                         | 7.0849                         | 9.2720                     | 0.0087                      | 9.2807                                   | 36.6004                                                    | 46.0013                                                   |
| 6/29/2012        | 83.1295                         | 7.1991                         | 9.2216                     | 0.0106                      | 9.2322                                   | 36.6444                                                    | 46.0438                                                   |
| 6/30/2012        | 82.9194                         | 7.4371                         | 9.1583                     | 0.0142                      | 9.1725                                   | 36.7678                                                    | 46.1456                                                   |
| <b>Promedios</b> | <b>83.2121</b>                  | <b>7.0539</b>                  | <b>9.2602</b>              | <b>0.0105</b>               | <b>9.2707</b>                            | <b>36.5412</b>                                             | <b>45.9473</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 84.7493 | 8.7427 | 9.9947 | 0.0290 | 9.9947 | 37.1016                   | 46.5326           |
| <b>Mínimo</b>         | 81.2558 | 5.9263 | 8.4161 | 0.0000 | 8.4451 | 35.8909                   | 45.2075           |
| <b>Desv. Estándar</b> | 0.9747  | 0.8157 | 0.3695 | 0.0081 | 0.3642 | 0.2628                    | 0.2944            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad CD. Pemex**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 82.5024                         | 10.1948                        | 6.7406                     | 0.0303                      | 6.7709                                   | 38.3408                                                    | 48.0154                                                   |
| 6/2/2012         | 81.5714                         | 11.0131                        | 6.7778                     | 0.0409                      | 6.8186                                   | 38.5833                                                    | 48.1446                                                   |
| 6/3/2012         | 81.2636                         | 11.1672                        | 6.8782                     | 0.0316                      | 6.9098                                   | 38.6423                                                    | 48.1429                                                   |
| 6/4/2012         | 80.4366                         | 11.7572                        | 7.1728                     | 0.0206                      | 7.1934                                   | 38.7692                                                    | 48.1482                                                   |
| 6/5/2012         | 81.1489                         | 11.0521                        | 7.1775                     | 0.0260                      | 7.2035                                   | 38.5496                                                    | 48.0086                                                   |
| 6/6/2012         | 82.4324                         | 10.0031                        | 7.0335                     | 0.0354                      | 7.0690                                   | 38.1628                                                    | 47.7904                                                   |
| 6/7/2012         | 81.5293                         | 10.6126                        | 7.2514                     | 0.0246                      | 7.2760                                   | 37.8699                                                    | 47.3482                                                   |
| 6/8/2012         | 81.7683                         | 10.6642                        | 6.9633                     | 0.0255                      | 6.9888                                   | 38.4682                                                    | 48.0280                                                   |
| 6/9/2012         | 82.4808                         | 10.2892                        | 6.6703                     | 0.0282                      | 6.6985                                   | 38.3676                                                    | 48.0435                                                   |
| 6/10/2012        | 82.6854                         | 9.9757                         | 6.7762                     | 0.0203                      | 6.7965                                   | 38.2776                                                    | 47.9698                                                   |
| 6/11/2012        | 81.7962                         | 10.3687                        | 6.4462                     | 0.0193                      | 6.4655                                   | 38.2397                                                    | 47.9411                                                   |
| 6/12/2012        | 82.3012                         | 9.9500                         | 7.2609                     | 0.0167                      | 7.2776                                   | 37.9399                                                    | 47.5218                                                   |
| 6/13/2012        | 82.4038                         | 10.3690                        | 6.6858                     | 0.0452                      | 6.7310                                   | 38.1718                                                    | 47.8181                                                   |
| 6/14/2012        | 82.5440                         | 10.6068                        | 6.4021                     | 0.0394                      | 6.4416                                   | 38.4664                                                    | 48.1920                                                   |
| 6/15/2012        | 82.1372                         | 10.2610                        | 7.1713                     | 0.0329                      | 7.2043                                   | 37.9877                                                    | 47.5534                                                   |
| 6/16/2012        | 82.6005                         | 9.7386                         | 7.2394                     | 0.0327                      | 7.2722                                   | 37.8581                                                    | 47.4682                                                   |
| 6/17/2012        | 81.3799                         | 11.5735                        | 6.5944                     | 0.0394                      | 6.6338                                   | 38.6671                                                    | 48.2315                                                   |
| 6/18/2012        | 81.9380                         | 10.5690                        | 6.8930                     | 0.0300                      | 6.9230                                   | 37.6466                                                    | 47.0582                                                   |
| 6/19/2012        | 81.3850                         | 11.0370                        | 6.9500                     | 0.0300                      | 6.9800                                   | 37.9072                                                    | 47.2733                                                   |
| 6/20/2012        | 82.1790                         | 10.3090                        | 6.9390                     | 0.0270                      | 6.9660                                   | 37.5721                                                    | 47.0019                                                   |
| 6/21/2012        | 82.2300                         | 10.3270                        | 6.7820                     | 0.0310                      | 6.8130                                   | 37.4976                                                    | 46.9823                                                   |
| 6/22/2012        | 81.8880                         | 10.6360                        | 6.9690                     | 0.0330                      | 7.0020                                   | 37.6093                                                    | 47.0117                                                   |
| 6/23/2012        | 81.9240                         | 10.5760                        | 6.9070                     | 0.0300                      | 6.9370                                   | 37.6466                                                    | 47.0582                                                   |
| 6/24/2012        | 81.7850                         | 10.6630                        | 6.9440                     | 0.0280                      | 6.9720                                   | 37.6838                                                    | 47.0680                                                   |
| 6/25/2012        | 82.0780                         | 10.3830                        | 6.9970                     | 0.0300                      | 7.0270                                   | 37.5349                                                    | 46.9553                                                   |
| 6/26/2012        | 80.3040                         | 11.7571                        | 7.4962                     | 0.0288                      | 7.5250                                   | 38.5409                                                    | 47.8853                                                   |
| 6/27/2012        | 80.8281                         | 10.6154                        | 8.0698                     | 0.0329                      | 8.1027                                   | 37.9173                                                    | 47.2351                                                   |
| 6/28/2012        | 80.4952                         | 11.5492                        | 7.2718                     | 0.0527                      | 7.3245                                   | 38.6164                                                    | 47.9821                                                   |
| 6/29/2012        | 80.8877                         | 11.3637                        | 7.2532                     | 0.0426                      | 7.2958                                   | 38.4512                                                    | 47.8864                                                   |
| 6/30/2012        | 81.2569                         | 10.8098                        | 7.4932                     | 0.0324                      | 7.5256                                   | 38.1673                                                    | 47.6169                                                   |
| <b>Promedios</b> | <b>81.7387</b>                  | <b>10.6731</b>                 | <b>7.0069</b>              | <b>0.0313</b>               | <b>7.0382</b>                            | <b>38.1384</b>                                             | <b>47.6460</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2    | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|---------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 82.6854 | 11.7572 | 8.0698 | 0.0527 | 8.1027 | 38.7692                   | 48.2315           |
| <b>Mínimo</b>         | 80.3040 | 9.7386  | 6.4021 | 0.0167 | 6.4416 | 37.4976                   | 46.9553           |
| <b>Desv. Estándar</b> | 0.6812  | 0.5411  | 0.3398 | 0.0078 | 0.3398 | 0.3943                    | 0.4411            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Cactus**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 84.4452                         | 6.2701                         | 8.9107                     | 0.0040                      | 8.9147                                   | 36.3524                                                    | 45.9805                                                   |
| 6/2/2012         | 83.9970                         | 6.3143                         | 9.2727                     | 0.0063                      | 9.2791                                   | 36.2476                                                    | 45.7720                                                   |
| 6/3/2012         | 83.6320                         | 6.4921                         | 9.5233                     | 0.0047                      | 9.5280                                   | 36.1708                                                    | 45.6275                                                   |
| 6/4/2012         | 83.1639                         | 7.0108                         | 9.4896                     | 0.0017                      | 9.4913                                   | 36.3265                                                    | 45.7419                                                   |
| 6/5/2012         | 81.6294                         | 8.7057                         | 9.3220                     | 0.0000                      | 9.3220                                   | 36.8874                                                    | 46.1641                                                   |
| 6/6/2012         | 82.1477                         | 7.8558                         | 9.6343                     | 0.0001                      | 9.6344                                   | 36.5325                                                    | 45.8191                                                   |
| 6/7/2012         | 81.9095                         | 8.4123                         | 9.2746                     | 0.0001                      | 9.2747                                   | 36.8594                                                    | 46.1642                                                   |
| 6/8/2012         | 81.5459                         | 8.9616                         | 9.0915                     | 0.0000                      | 9.0915                                   | 37.0857                                                    | 46.3775                                                   |
| 6/9/2012         | 80.8714                         | 9.7110                         | 8.9537                     | 0.0000                      | 8.9537                                   | 37.3905                                                    | 46.6217                                                   |
| 6/10/2012        | 81.4868                         | 9.2964                         | 8.8124                     | 0.0000                      | 8.8124                                   | 37.2902                                                    | 46.6134                                                   |
| 6/11/2012        | 81.2654                         | 9.0341                         | 9.3024                     | 0.0000                      | 9.3024                                   | 37.0233                                                    | 46.2574                                                   |
| 6/12/2012        | 81.6560                         | 8.5684                         | 9.3574                     | 0.0029                      | 9.3604                                   | 36.8834                                                    | 46.1460                                                   |
| 6/13/2012        | 81.6635                         | 8.4000                         | 9.5776                     | 0.0005                      | 9.5781                                   | 36.7098                                                    | 45.9535                                                   |
| 6/14/2012        | 81.5111                         | 8.3362                         | 9.7567                     | 0.0001                      | 9.7568                                   | 36.6472                                                    | 45.8456                                                   |
| 6/15/2012        | 81.1829                         | 8.6803                         | 9.7292                     | 0.0000                      | 9.7292                                   | 36.7617                                                    | 45.9291                                                   |
| 6/16/2012        | 81.5118                         | 8.3220                         | 9.7761                     | 0.0000                      | 9.7761                                   | 36.6265                                                    | 45.8252                                                   |
| 6/17/2012        | 81.2964                         | 8.4047                         | 9.9258                     | 0.0000                      | 9.9258                                   | 36.5884                                                    | 45.7442                                                   |
| 6/18/2012        | 81.2215                         | 8.3577                         | 10.0244                    | 0.0000                      | 10.0244                                  | 36.5498                                                    | 45.6822                                                   |
| 6/19/2012        | 81.6998                         | 8.1162                         | 9.7916                     | 0.0000                      | 9.7916                                   | 36.5668                                                    | 45.7801                                                   |
| 6/20/2012        | 81.5063                         | 8.4302                         | 9.6952                     | 0.0000                      | 9.6952                                   | 36.6875                                                    | 45.8948                                                   |
| 6/21/2012        | 81.6612                         | 8.1037                         | 9.8757                     | 0.0000                      | 9.8757                                   | 36.5121                                                    | 45.7144                                                   |
| 6/22/2012        | 82.4507                         | 7.5604                         | 9.6562                     | 0.0000                      | 9.6562                                   | 36.4219                                                    | 45.7402                                                   |
| 6/23/2012        | 82.6835                         | 7.2552                         | 9.5369                     | 0.0000                      | 9.5369                                   | 36.4908                                                    | 45.8291                                                   |
| 6/24/2012        | 82.1719                         | 8.0019                         | 9.3895                     | 0.0069                      | 9.3964                                   | 36.3714                                                    | 45.6034                                                   |
| 6/25/2012        | 83.3730                         | 6.9600                         | 9.3040                     | 0.0030                      | 9.3070                                   | 35.7854                                                    | 45.0853                                                   |
| 6/26/2012        | 83.5650                         | 6.8870                         | 9.2120                     | 0.0020                      | 9.2140                                   | 36.4184                                                    | 45.8102                                                   |
| 6/27/2012        | 82.1240                         | 8.0180                         | 9.4690                     | 0.0010                      | 9.4700                                   | 36.0459                                                    | 45.1988                                                   |
| 6/28/2012        | 82.7830                         | 7.4240                         | 9.3820                     | 0.0030                      | 9.3850                                   | 35.9715                                                    | 45.1766                                                   |
| 6/29/2012        | 82.9720                         | 7.2730                         | 9.3580                     | 0.0030                      | 9.3610                                   | 35.8598                                                    | 45.1076                                                   |
| 6/30/2012        | 82.1760                         | 7.9720                         | 9.4620                     | 0.0010                      | 9.4630                                   | 36.0459                                                    | 45.1988                                                   |
| <b>Promedios</b> | <b>82.1768</b>                  | <b>7.9712</b>                  | <b>9.4622</b>              | <b>0.0013</b>               | <b>9.4636</b>                            | <b>36.5370</b>                                             | <b>45.8135</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2      | CO2    | CO2+N2  | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|---------|--------|---------|---------------------------|-------------------|
| <b>Máximo</b>         | 84.4452 | 9.7110 | 10.0244 | 0.0069 | 10.0244 | 37.3905                   | 46.6217           |
| <b>Mínimo</b>         | 80.8714 | 6.2701 | 8.8124  | 0.0000 | 8.8124  | 35.7854                   | 45.0853           |
| <b>Desv. Estándar</b> | 0.9296  | 0.8699 | 0.2978  | 0.0020 | 0.2972  | 0.3933                    | 0.3960            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad KM 100**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 83.8646                         | 7.1802                         | 8.4684                     | 0.0091                      | 8.4775                                   | 36.9135                                                    | 46.5073                                                   |
| 6/2/2012         | 83.4489                         | 7.1618                         | 8.8561                     | 0.0095                      | 8.8656                                   | 36.7850                                                    | 46.2749                                                   |
| 6/3/2012         | 82.9566                         | 7.5275                         | 9.0613                     | 0.0071                      | 9.0684                                   | 36.7689                                                    | 46.2054                                                   |
| 6/4/2012         | 83.6291                         | 6.9238                         | 9.0915                     | 0.0021                      | 9.0936                                   | 36.5331                                                    | 46.1966                                                   |
| 6/5/2012         | 84.2080                         | 6.3745                         | 9.1519                     | 0.0000                      | 9.1519                                   | 36.3019                                                    | 46.2086                                                   |
| 6/6/2012         | 83.7700                         | 6.6619                         | 9.2663                     | 0.0003                      | 9.2666                                   | 36.3598                                                    | 46.1985                                                   |
| 6/7/2012         | 84.2402                         | 6.5541                         | 8.8804                     | 0.0000                      | 8.8804                                   | 36.5034                                                    | 46.1972                                                   |
| 6/8/2012         | 81.4459                         | 8.9765                         | 9.1545                     | 0.0000                      | 9.1545                                   | 37.0842                                                    | 46.3523                                                   |
| 6/9/2012         | 80.8883                         | 9.7803                         | 8.8706                     | 0.0000                      | 8.8706                                   | 37.4394                                                    | 46.6827                                                   |
| 6/10/2012        | 81.5490                         | 9.1655                         | 8.8954                     | 0.0000                      | 8.8954                                   | 37.2117                                                    | 46.5322                                                   |
| 6/11/2012        | 81.2982                         | 8.9943                         | 9.2771                     | 0.0002                      | 9.2773                                   | 37.0399                                                    | 46.2773                                                   |
| 6/12/2012        | 81.5357                         | 8.6644                         | 9.4112                     | 0.0029                      | 9.4140                                   | 36.8712                                                    | 46.1979                                                   |
| 6/13/2012        | 81.8106                         | 8.2072                         | 9.6339                     | 0.0004                      | 9.6343                                   | 36.6277                                                    | 46.1988                                                   |
| 6/14/2012        | 81.4735                         | 8.4137                         | 9.7061                     | 0.0001                      | 9.7062                                   | 36.6961                                                    | 46.2090                                                   |
| 6/15/2012        | 81.1639                         | 8.6672                         | 9.7702                     | 0.0000                      | 9.7702                                   | 36.7352                                                    | 46.1990                                                   |
| 6/16/2012        | 81.4938                         | 8.3049                         | 9.8087                     | 0.0000                      | 9.8087                                   | 36.6116                                                    | 46.2080                                                   |
| 6/17/2012        | 81.2978                         | 8.4049                         | 9.9278                     | 0.0000                      | 9.9278                                   | 36.5862                                                    | 46.1974                                                   |
| 6/18/2012        | 81.2558                         | 8.3408                         | 9.9947                     | 0.0000                      | 9.9947                                   | 36.5616                                                    | 46.1970                                                   |
| 6/19/2012        | 81.6934                         | 8.0936                         | 9.8252                     | 0.0000                      | 9.8252                                   | 36.5475                                                    | 46.1989                                                   |
| 6/20/2012        | 81.5380                         | 8.4258                         | 9.6952                     | 0.0000                      | 9.6952                                   | 36.6912                                                    | 46.2091                                                   |
| 6/21/2012        | 81.7241                         | 8.0899                         | 9.8757                     | 0.0000                      | 9.8757                                   | 36.5189                                                    | 46.2074                                                   |
| 6/22/2012        | 82.6409                         | 7.3442                         | 9.6562                     | 0.0000                      | 9.6562                                   | 36.3470                                                    | 46.1968                                                   |
| 6/23/2012        | 82.5172                         | 7.4496                         | 9.5369                     | 0.0000                      | 9.5369                                   | 36.5726                                                    | 46.8985                                                   |
| 6/24/2012        | 82.3741                         | 7.8407                         | 9.3895                     | 0.0069                      | 9.3964                                   | 36.2311                                                    | 45.4596                                                   |
| 6/25/2012        | 83.4050                         | 6.9478                         | 9.2887                     | 0.0028                      | 9.2915                                   | 35.8909                                                    | 45.2075                                                   |
| 6/26/2012        | 82.2482                         | 7.8348                         | 9.7118                     | 0.0020                      | 9.7138                                   | 35.9343                                                    | 45.0412                                                   |
| 6/27/2012        | 82.6578                         | 7.5680                         | 9.3933                     | 0.0020                      | 9.3953                                   | 35.9218                                                    | 45.1036                                                   |
| 6/28/2012        | 82.3868                         | 7.7330                         | 9.4912                     | 0.0023                      | 9.4935                                   | 35.8908                                                    | 45.0150                                                   |
| 6/29/2012        | 82.7953                         | 7.5757                         | 9.2035                     | 0.0037                      | 9.2072                                   | 36.0273                                                    | 45.2467                                                   |
| 6/30/2012        | 82.7778                         | 7.5087                         | 9.3298                     | 0.0023                      | 9.3322                                   | 35.9467                                                    | 45.1526                                                   |
| <b>Promedios</b> | <b>82.3363</b>                  | <b>7.8905</b>                  | <b>9.3874</b>              | <b>0.0018</b>               | <b>9.3892</b>                            | <b>36.5383</b>                                             | <b>46.0326</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 84.2402 | 9.7803 | 9.9947 | 0.0095 | 9.9947 | 37.4394                   | 46.8985           |
| <b>Mínimo</b>         | 80.8883 | 6.3745 | 8.4684 | 0.0000 | 8.4775 | 35.8908                   | 45.0150           |
| <b>Desv. Estándar</b> | 0.9932  | 0.8228 | 0.3784 | 0.0028 | 0.3770 | 0.4026                    | 0.5122            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Nuevo Pemex**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 83.6459                         | 9.1317                         | 6.0802                     | 0.0011                      | 6.0813                                   | 38.6449                                                    | 48.4871                                                   |
| 6/2/2012         | 83.7691                         | 9.3131                         | 6.2491                     | 0.0000                      | 6.2491                                   | 38.3812                                                    | 48.2968                                                   |
| 6/3/2012         | 84.4866                         | 8.9507                         | 6.1271                     | 0.0000                      | 6.1271                                   | 38.1778                                                    | 48.2241                                                   |
| 6/4/2012         | 83.8920                         | 8.8225                         | 6.4025                     | 0.0000                      | 6.4025                                   | 38.3229                                                    | 48.1987                                                   |
| 6/5/2012         | 84.3932                         | 7.8859                         | 7.2119                     | 0.0000                      | 7.2119                                   | 37.5186                                                    | 47.3833                                                   |
| 6/6/2012         | 83.7581                         | 7.6171                         | 8.1762                     | 0.0016                      | 8.1778                                   | 37.0431                                                    | 46.7050                                                   |
| 6/7/2012         | 83.7537                         | 7.7386                         | 8.0472                     | 0.0009                      | 8.0482                                   | 37.1338                                                    | 46.8128                                                   |
| 6/8/2012         | 83.9455                         | 7.6145                         | 7.9913                     | 0.0006                      | 7.9919                                   | 37.1191                                                    | 46.8257                                                   |
| 6/9/2012         | 83.3457                         | 7.6765                         | 8.4903                     | 0.0003                      | 8.4907                                   | 36.9810                                                    | 46.5436                                                   |
| 6/10/2012        | 84.6024                         | 7.2797                         | 7.7319                     | 0.0008                      | 7.7327                                   | 37.0863                                                    | 46.9079                                                   |
| 6/11/2012        | 84.9793                         | 7.2753                         | 7.3751                     | 0.0044                      | 7.3795                                   | 37.2023                                                    | 47.1201                                                   |
| 6/12/2012        | 85.2823                         | 6.9721                         | 7.3626                     | 0.0027                      | 7.3652                                   | 37.1293                                                    | 47.0807                                                   |
| 6/13/2012        | 85.1125                         | 6.5665                         | 8.0022                     | 0.0013                      | 8.0034                                   | 36.7353                                                    | 46.5811                                                   |
| 6/14/2012        | 84.2992                         | 7.0604                         | 8.1667                     | 0.0027                      | 8.1694                                   | 36.9078                                                    | 46.6230                                                   |
| 6/15/2012        | 84.2556                         | 7.2776                         | 8.2020                     | 0.0000                      | 8.2020                                   | 36.8297                                                    | 46.5625                                                   |
| 6/16/2012        | 83.8626                         | 7.7387                         | 8.0657                     | 0.0000                      | 8.0658                                   | 37.0542                                                    | 46.7566                                                   |
| 6/17/2012        | 83.7244                         | 7.6972                         | 8.2513                     | 0.0000                      | 8.2513                                   | 36.9691                                                    | 46.6305                                                   |
| 6/18/2012        | 83.6805                         | 7.5387                         | 8.4208                     | 0.0001                      | 8.4209                                   | 36.8799                                                    | 46.5078                                                   |
| 6/19/2012        | 83.9018                         | 7.4283                         | 8.2348                     | 0.0012                      | 8.2360                                   | 36.9612                                                    | 46.6297                                                   |
| 6/20/2012        | 83.9583                         | 7.3826                         | 8.3129                     | 0.0002                      | 8.3131                                   | 36.8670                                                    | 46.5420                                                   |
| 6/21/2012        | 83.9159                         | 7.3703                         | 8.3751                     | 0.0011                      | 8.3762                                   | 36.8368                                                    | 46.4981                                                   |
| 6/22/2012        | 84.1997                         | 7.4957                         | 7.9859                     | 0.0014                      | 7.9873                                   | 37.0063                                                    | 46.7573                                                   |
| 6/23/2012        | 82.9896                         | 8.3296                         | 8.3222                     | 0.0012                      | 8.3234                                   | 37.1382                                                    | 46.7080                                                   |
| 6/24/2012        | 82.2979                         | 8.4847                         | 8.8570                     | 0.0000                      | 8.8570                                   | 36.9866                                                    | 46.4040                                                   |
| 6/25/2012        | 82.7870                         | 8.9960                         | 7.8620                     | 0.0040                      | 7.8660                                   | 37.5352                                                    | 47.2524                                                   |
| 6/26/2012        | 82.8450                         | 8.7890                         | 7.8450                     | 0.0030                      | 7.8480                                   | 37.3862                                                    | 46.9905                                                   |
| 6/27/2012        | 83.9100                         | 7.8630                         | 7.7750                     | 0.0010                      | 7.7760                                   | 36.6788                                                    | 46.2477                                                   |
| 6/28/2012        | 82.9660                         | 8.4930                         | 8.1320                     | 0.0020                      | 8.1340                                   | 36.9022                                                    | 46.4188                                                   |
| 6/29/2012        | 83.7180                         | 8.3720                         | 7.2810                     | 0.0010                      | 7.2820                                   | 37.1256                                                    | 46.7367                                                   |
| 6/30/2012        | 83.8710                         | 7.9020                         | 7.7710                     | 0.0010                      | 7.7720                                   | 36.6788                                                    | 46.2477                                                   |
| <b>Promedios</b> | <b>83.8716</b>                  | <b>7.9021</b>                  | <b>7.7703</b>              | <b>0.0011</b>               | <b>7.7714</b>                            | <b>37.2073</b>                                             | <b>46.9227</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 85.2823 | 9.3131 | 8.8570 | 0.0044 | 8.8570 | 38.6449                   | 48.4871           |
| <b>Mínimo</b>         | 82.2979 | 6.5665 | 6.0802 | 0.0000 | 6.0813 | 36.6788                   | 46.2477           |
| <b>Desv. Estándar</b> | 0.6733  | 0.7056 | 0.7220 | 0.0012 | 0.7221 | 0.5149                    | 0.6112            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad La Venta**
**Abril**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 90.2290                         | 4.3490                         | 4.9310                     | 0.1660                      | 5.0970                                   | 37.3626                                                    | 48.1163                                                   |
| 6/2/2012         | 90.1680                         | 4.4990                         | 4.9180                     | 0.1280                      | 5.0460                                   | 37.2991                                                    | 48.1080                                                   |
| 6/3/2012         | 89.4320                         | 4.1980                         | 5.8610                     | 0.0920                      | 5.9530                                   | 36.9838                                                    | 47.5431                                                   |
| 6/4/2012         | 89.2760                         | 3.9670                         | 6.0220                     | 0.1260                      | 6.1480                                   | 37.0138                                                    | 47.4729                                                   |
| 6/5/2012         | 90.6870                         | 4.1370                         | 4.7670                     | 0.1300                      | 4.8970                                   | 37.2585                                                    | 48.1468                                                   |
| 6/6/2012         | 90.0380                         | 4.7780                         | 4.5690                     | 0.1480                      | 4.7170                                   | 37.6379                                                    | 48.4465                                                   |
| 6/7/2012         | 90.5330                         | 4.1370                         | 4.9470                     | 0.1280                      | 5.0750                                   | 37.1705                                                    | 48.0184                                                   |
| 6/8/2012         | 90.8251                         | 4.0060                         | 4.8340                     | 0.1510                      | 4.9850                                   | 37.1207                                                    | 48.0217                                                   |
| 6/9/2012         | 90.0729                         | 4.4780                         | 4.9760                     | 0.1390                      | 5.1151                                   | 37.2996                                                    | 48.0766                                                   |
| 6/10/2012        | 91.9980                         | 3.9120                         | 3.7620                     | 0.1630                      | 3.9250                                   | 37.4835                                                    | 48.6932                                                   |
| 6/11/2012        | 92.3631                         | 3.8970                         | 3.3950                     | 0.1840                      | 3.5790                                   | 37.6077                                                    | 48.9133                                                   |
| 6/12/2012        | 92.3610                         | 3.8040                         | 3.5210                     | 0.1570                      | 3.6780                                   | 37.5417                                                    | 48.8371                                                   |
| 6/13/2012        | 91.9929                         | 3.8670                         | 3.8030                     | 0.1740                      | 3.9770                                   | 37.4500                                                    | 48.6482                                                   |
| 6/14/2012        | 91.6250                         | 3.7630                         | 4.3120                     | 0.1490                      | 4.4610                                   | 37.2311                                                    | 48.3135                                                   |
| 6/15/2012        | 90.5480                         | 3.8090                         | 5.3260                     | 0.1480                      | 5.4740                                   | 36.8718                                                    | 47.6641                                                   |
| 6/16/2012        | 89.9600                         | 3.9300                         | 5.7920                     | 0.1470                      | 5.9390                                   | 36.7317                                                    | 47.3831                                                   |
| 6/17/2012        | 90.7200                         | 3.9750                         | 5.0080                     | 0.1280                      | 5.1360                                   | 37.0464                                                    | 47.9177                                                   |
| 6/18/2012        | 91.3250                         | 3.7630                         | 4.6250                     | 0.1430                      | 4.7680                                   | 37.1112                                                    | 48.1107                                                   |
| 6/19/2012        | 91.2850                         | 3.8250                         | 4.6200                     | 0.1260                      | 4.7460                                   | 37.1371                                                    | 48.1395                                                   |
| 6/20/2012        | 91.5740                         | 3.9520                         | 4.1590                     | 0.1550                      | 4.3140                                   | 37.3452                                                    | 48.4437                                                   |
| 6/21/2012        | 91.1180                         | 3.8240                         | 4.7520                     | 0.1570                      | 4.9090                                   | 37.0781                                                    | 48.0272                                                   |
| 6/22/2012        | 90.2449                         | 3.9790                         | 5.4881                     | 0.1260                      | 5.6141                                   | 36.8631                                                    | 47.6045                                                   |
| 6/23/2012        | 90.4070                         | 4.1250                         | 5.1620                     | 0.1300                      | 5.2920                                   | 37.0340                                                    | 47.8434                                                   |
| 6/24/2012        | 90.0660                         | 4.2600                         | 5.3230                     | 0.1470                      | 5.4700                                   | 37.0209                                                    | 47.7563                                                   |
| 6/25/2012        | 91.2183                         | 3.6777                         | 4.8248                     | 0.1355                      | 4.9603                                   | 37.0142                                                    | 47.9716                                                   |
| 6/26/2012        | 91.1119                         | 3.7850                         | 4.8050                     | 0.1490                      | 4.9540                                   | 37.0500                                                    | 47.9928                                                   |
| 6/27/2012        | 91.2060                         | 3.7940                         | 4.7110                     | 0.1460                      | 4.8570                                   | 37.0858                                                    | 48.0566                                                   |
| 6/28/2012        | 91.7770                         | 3.6530                         | 4.2660                     | 0.1450                      | 4.4110                                   | 37.2233                                                    | 48.3314                                                   |
| 6/29/2012        | 91.7530                         | 3.7320                         | 4.1970                     | 0.1500                      | 4.3470                                   | 37.2749                                                    | 48.3888                                                   |
| 6/30/2012        | 89.5741                         | 5.8639                         | 4.2000                     | 0.1680                      | 4.3680                                   | 37.8937                                                    | 48.7430                                                   |
| <b>Promedios</b> | <b>90.8496</b>                  | <b>4.0580</b>                  | <b>4.7292</b>              | <b>0.1445</b>               | <b>4.8737</b>                            | <b>37.2081</b>                                             | <b>48.1243</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 92.3631 | 5.8639 | 6.0220 | 0.1840 | 6.1480 | 37.8937                   | 48.9133           |
| <b>Mínimo</b>         | 89.2760 | 3.6530 | 3.3950 | 0.0920 | 3.5790 | 36.7317                   | 47.3831           |
| <b>Desv. Estándar</b> | 0.8560  | 0.4322 | 0.6487 | 0.0181 | 0.6360 | 0.2549                    | 0.3981            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Chihuahua**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.7668                         | 3.6113                         | 1.7547                     | 0.4327                      | 2.1874                                   | 38.2715                                                    | 49.8690                                                   |
| 6/2/2012         | 94.4905                         | 3.7031                         | 0.7439                     | 0.8207                      | 1.5646                                   | 38.4080                                                    | 50.1381                                                   |
| 6/3/2012         | 93.8199                         | 3.5810                         | 1.7246                     | 0.4650                      | 2.1896                                   | 38.2404                                                    | 49.8426                                                   |
| 6/4/2012         | 93.6397                         | 3.8434                         | 1.6763                     | 0.4804                      | 2.1567                                   | 38.2909                                                    | 49.8835                                                   |
| 6/5/2012         | 93.4847                         | 3.9276                         | 1.7475                     | 0.4333                      | 2.1809                                   | 38.3357                                                    | 49.9094                                                   |
| 6/6/2012         | 93.5353                         | 3.7334                         | 1.8555                     | 0.4190                      | 2.2745                                   | 38.2736                                                    | 49.8346                                                   |
| 6/7/2012         | 93.2758                         | 3.9779                         | 1.7419                     | 0.4798                      | 2.2217                                   | 38.4136                                                    | 49.9248                                                   |
| 6/8/2012         | 93.2950                         | 3.9529                         | 1.7073                     | 0.4846                      | 2.1920                                   | 38.4477                                                    | 49.9564                                                   |
| 6/9/2012         | 93.4793                         | 3.8597                         | 1.7171                     | 0.4926                      | 2.2097                                   | 38.3469                                                    | 49.8888                                                   |
| 6/10/2012        | 93.5361                         | 3.8273                         | 1.6779                     | 0.5180                      | 2.1959                                   | 38.3350                                                    | 49.8821                                                   |
| 6/11/2012        | 93.5531                         | 3.8634                         | 1.5959                     | 0.5520                      | 2.1479                                   | 38.3619                                                    | 49.9112                                                   |
| 6/12/2012        | 93.8669                         | 3.6138                         | 1.5017                     | 0.6132                      | 2.1148                                   | 38.2821                                                    | 49.8656                                                   |
| 6/13/2012        | 93.7454                         | 3.7487                         | 1.4910                     | 0.6021                      | 2.0930                                   | 38.3334                                                    | 49.9073                                                   |
| 6/14/2012        | 93.4860                         | 3.9363                         | 1.4929                     | 0.5989                      | 2.0917                                   | 38.4396                                                    | 49.9702                                                   |
| 6/15/2012        | 93.6273                         | 3.7808                         | 1.5660                     | 0.5516                      | 2.1176                                   | 38.3751                                                    | 49.9324                                                   |
| 6/16/2012        | 93.9562                         | 3.6957                         | 1.2384                     | 0.7023                      | 1.9407                                   | 38.3732                                                    | 49.9756                                                   |
| 6/17/2012        | 93.8263                         | 3.7501                         | 1.3031                     | 0.6951                      | 1.9983                                   | 38.3812                                                    | 49.9560                                                   |
| 6/18/2012        | 93.3768                         | 3.8983                         | 1.6675                     | 0.5387                      | 2.2062                                   | 38.4036                                                    | 49.9121                                                   |
| 6/19/2012        | 93.2763                         | 3.9798                         | 1.7076                     | 0.4896                      | 2.1971                                   | 38.4491                                                    | 49.9538                                                   |
| 6/20/2012        | 93.1535                         | 4.1778                         | 1.6156                     | 0.5152                      | 2.1308                                   | 38.5201                                                    | 50.0187                                                   |
| 6/21/2012        | 92.9596                         | 4.3032                         | 1.6188                     | 0.5157                      | 2.1345                                   | 38.5926                                                    | 50.0586                                                   |
| 6/22/2012        | 92.9470                         | 4.3209                         | 1.6704                     | 0.4808                      | 2.1513                                   | 38.5754                                                    | 50.0494                                                   |
| 6/23/2012        | 93.0157                         | 4.2705                         | 1.7152                     | 0.4604                      | 2.1756                                   | 38.5267                                                    | 50.0154                                                   |
| 6/24/2012        | 93.0378                         | 4.2414                         | 1.7389                     | 0.4549                      | 2.1938                                   | 38.5057                                                    | 49.9963                                                   |
| 6/25/2012        | 93.2210                         | 4.0502                         | 1.7333                     | 0.4601                      | 2.1935                                   | 38.4582                                                    | 49.9677                                                   |
| 6/26/2012        | 93.3009                         | 3.9939                         | 1.7077                     | 0.4763                      | 2.1840                                   | 38.4399                                                    | 49.9576                                                   |
| 6/27/2012        | 93.2717                         | 4.1080                         | 1.6192                     | 0.4938                      | 2.1130                                   | 38.4901                                                    | 50.0144                                                   |
| 6/28/2012        | 93.0806                         | 4.2479                         | 1.5156                     | 0.5626                      | 2.0782                                   | 38.5895                                                    | 50.0711                                                   |
| 6/29/2012        | 92.9887                         | 4.2964                         | 1.5578                     | 0.5249                      | 2.0827                                   | 38.6248                                                    | 50.0981                                                   |
| 6/30/2012        | 92.7895                         | 4.4324                         | 1.6014                     | 0.4716                      | 2.0730                                   | 38.7205                                                    | 50.1696                                                   |
| <b>Promedios</b> | <b>93.4268</b>                  | <b>3.9576</b>                  | <b>1.6002</b>              | <b>0.5262</b>               | <b>2.1264</b>                            | <b>38.4269</b>                                             | <b>49.9643</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 94.4905 | 4.4324 | 1.8555 | 0.8207 | 2.2745 | 38.7205                   | 50.1696           |
| <b>Mínimo</b>         | 92.7895 | 3.5810 | 0.7439 | 0.4190 | 1.5646 | 38.2404                   | 49.8346           |
| <b>Desv. Estándar</b> | 0.3705  | 0.2401 | 0.2087 | 0.0893 | 0.1263 | 0.1173                    | 0.0853            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Guadalajara**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 88.7206                         | 7.8392                         | 3.0304                     | 0.1386                      | 3.1690                                   | 39.0902                                                    | 50.0450                                                   |
| 6/2/2012         | 88.0638                         | 11.0445                        | 0.6810                     | 0.0362                      | 0.7172                                   | 40.7927                                                    | 52.0665                                                   |
| 6/3/2012         | 88.3468                         | 10.5142                        | 0.9135                     | 0.0500                      | 0.9635                                   | 40.5569                                                    | 51.8291                                                   |
| 6/4/2012         | 90.0813                         | 6.3177                         | 3.1301                     | 0.1556                      | 3.2857                                   | 38.5558                                                    | 49.6290                                                   |
| 6/5/2012         | 87.9729                         | 11.2043                        | 0.6368                     | 0.0392                      | 0.6760                                   | 40.8083                                                    | 52.0787                                                   |
| 6/6/2012         | 88.8634                         | 9.0071                         | 1.7929                     | 0.1014                      | 1.8942                                   | 39.8117                                                    | 50.9831                                                   |
| 6/7/2012         | 89.2421                         | 9.0715                         | 1.4256                     | 0.0716                      | 1.4972                                   | 39.9250                                                    | 51.2157                                                   |
| 6/8/2012         | 89.6636                         | 7.9228                         | 2.0462                     | 0.1272                      | 2.1734                                   | 39.3618                                                    | 50.5756                                                   |
| 6/9/2012         | 90.3487                         | 5.5699                         | 3.4464                     | 0.2419                      | 3.6883                                   | 38.2448                                                    | 49.2543                                                   |
| 6/10/2012        | 89.9280                         | 6.2585                         | 3.2702                     | 0.1985                      | 3.4686                                   | 38.6142                                                    | 49.6455                                                   |
| 6/11/2012        | 89.0830                         | 9.3857                         | 1.2181                     | 0.0585                      | 1.2766                                   | 40.1304                                                    | 51.4279                                                   |
| 6/12/2012        | 89.1187                         | 9.0244                         | 1.5286                     | 0.0676                      | 1.5962                                   | 39.9189                                                    | 51.1694                                                   |
| 6/13/2012        | 89.1007                         | 9.2310                         | 1.4000                     | 0.0676                      | 1.4675                                   | 39.9516                                                    | 51.2225                                                   |
| 6/14/2012        | 89.1905                         | 9.0927                         | 1.4442                     | 0.0769                      | 1.5211                                   | 39.9128                                                    | 51.1900                                                   |
| 6/15/2012        | 89.5658                         | 7.1859                         | 2.7412                     | 0.1712                      | 2.9124                                   | 38.9411                                                    | 50.0045                                                   |
| 6/16/2012        | 90.0452                         | 5.4398                         | 3.8109                     | 0.2668                      | 4.0777                                   | 38.0526                                                    | 48.9494                                                   |
| 6/17/2012        | 89.9188                         | 6.2343                         | 3.2994                     | 0.1995                      | 3.4989                                   | 38.5909                                                    | 49.6148                                                   |
| 6/18/2012        | 89.4851                         | 8.3511                         | 1.7421                     | 0.1255                      | 1.8677                                   | 39.6403                                                    | 50.8736                                                   |
| 6/19/2012        | 89.5257                         | 8.0748                         | 1.9953                     | 0.1335                      | 2.1287                                   | 39.4966                                                    | 50.7031                                                   |
| 6/20/2012        | 89.2984                         | 9.2575                         | 1.1634                     | 0.0806                      | 1.2440                                   | 40.0716                                                    | 51.4038                                                   |
| 6/21/2012        | 89.4359                         | 8.5695                         | 1.6543                     | 0.1010                      | 1.7553                                   | 39.7436                                                    | 51.0077                                                   |
| 6/22/2012        | 89.7615                         | 7.4851                         | 2.2914                     | 0.1509                      | 2.4422                                   | 39.1796                                                    | 50.3466                                                   |
| 6/23/2012        | 90.1285                         | 5.1967                         | 3.9661                     | 0.2471                      | 4.2132                                   | 37.9505                                                    | 48.8348                                                   |
| 6/24/2012        | 89.9531                         | 5.5844                         | 3.6826                     | 0.2509                      | 3.9334                                   | 38.2082                                                    | 49.1068                                                   |
| 6/25/2012        | 89.1672                         | 8.8723                         | 1.6536                     | 0.0890                      | 1.7426                                   | 39.7817                                                    | 51.0144                                                   |
| 6/26/2012        | 89.0868                         | 8.9963                         | 1.6179                     | 0.0808                      | 1.6987                                   | 39.8334                                                    | 51.0650                                                   |
| 6/27/2012        | 89.0438                         | 9.2511                         | 1.4212                     | 0.0841                      | 1.5053                                   | 39.9680                                                    | 51.2264                                                   |
| 6/28/2012        | 88.9902                         | 9.3551                         | 1.3482                     | 0.0824                      | 1.4306                                   | 40.0408                                                    | 51.3009                                                   |
| 6/29/2012        | 88.9459                         | 9.5643                         | 1.2093                     | 0.0681                      | 1.2774                                   | 40.1510                                                    | 51.4347                                                   |
| 6/30/2012        | 88.6870                         | 10.3966                        | 0.7242                     | 0.0363                      | 0.7606                                   | 40.5491                                                    | 51.8962                                                   |
| <b>Promedios</b> | <b>89.2921</b>                  | <b>8.3099</b>                  | <b>2.0095</b>              | <b>0.1199</b>               | <b>2.1294</b>                            | <b>39.5291</b>                                             | <b>50.7038</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2    | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|---------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 90.3487 | 11.2043 | 3.9661 | 0.2668 | 4.2132 | 40.8083                   | 52.0787           |
| <b>Mínimo</b>         | 87.9729 | 5.1967  | 0.6368 | 0.0362 | 0.6760 | 37.9505                   | 48.8348           |
| <b>Desv. Estándar</b> | 0.5948  | 1.6845  | 1.0028 | 0.0687 | 1.0695 | 0.8132                    | 0.9428            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Madero I**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.1679                         | 5.2691                         | 0.2297                     | 0.6855                      | 0.9152                                   | 39.3380                                                    | 50.9941                                                   |
| 6/2/2012         | 93.3206                         | 5.0804                         | 0.2586                     | 0.8327                      | 1.0913                                   | 39.1318                                                    | 50.7633                                                   |
| 6/3/2012         | 93.5322                         | 4.9249                         | 0.2466                     | 0.8167                      | 1.0633                                   | 39.0810                                                    | 50.7511                                                   |
| 6/4/2012         | 93.3213                         | 5.1792                         | 0.2266                     | 0.7303                      | 0.9569                                   | 39.2312                                                    | 50.9047                                                   |
| 6/5/2012         | 93.5355                         | 4.9377                         | 0.2493                     | 0.8173                      | 1.0666                                   | 39.0736                                                    | 50.7452                                                   |
| 6/6/2012         | 93.3149                         | 5.0592                         | 0.2403                     | 0.7713                      | 1.0116                                   | 39.2225                                                    | 50.8649                                                   |
| 6/7/2012         | 93.1532                         | 5.0241                         | 0.2170                     | 0.7345                      | 0.9515                                   | 39.3979                                                    | 50.9988                                                   |
| 6/8/2012         | 93.2156                         | 4.9815                         | 0.2206                     | 0.7315                      | 0.9521                                   | 39.3703                                                    | 50.9837                                                   |
| 6/9/2012         | 93.3175                         | 4.8968                         | 0.2378                     | 0.7899                      | 1.0277                                   | 39.2640                                                    | 50.8760                                                   |
| 6/10/2012        | 93.3914                         | 4.8267                         | 0.2380                     | 0.7940                      | 1.0320                                   | 39.2395                                                    | 50.8592                                                   |
| 6/11/2012        | 93.0534                         | 5.0626                         | 0.2281                     | 0.7442                      | 0.9723                                   | 39.4351                                                    | 51.0078                                                   |
| 6/12/2012        | 93.0222                         | 5.0458                         | 0.2318                     | 0.7808                      | 1.0125                                   | 39.4179                                                    | 50.9713                                                   |
| 6/13/2012        | 93.0234                         | 5.0821                         | 0.2259                     | 0.7474                      | 0.9732                                   | 39.4420                                                    | 51.0100                                                   |
| 6/14/2012        | 93.1061                         | 5.0601                         | 0.2229                     | 0.7531                      | 0.9760                                   | 39.3930                                                    | 50.9806                                                   |
| 6/15/2012        | 93.1053                         | 5.0390                         | 0.2234                     | 0.7418                      | 0.9651                                   | 39.4126                                                    | 50.9991                                                   |
| 6/16/2012        | 93.3876                         | 4.8329                         | 0.2437                     | 0.8192                      | 1.0629                                   | 39.2089                                                    | 50.8220                                                   |
| 6/17/2012        | 93.3610                         | 4.8537                         | 0.2373                     | 0.8038                      | 1.0411                                   | 39.2407                                                    | 50.8534                                                   |
| 6/18/2012        | 92.8546                         | 5.1916                         | 0.2066                     | 0.6770                      | 0.8836                                   | 39.5976                                                    | 51.1547                                                   |
| 6/19/2012        | 93.0356                         | 5.0674                         | 0.2148                     | 0.7125                      | 0.9273                                   | 39.4830                                                    | 51.0625                                                   |
| 6/20/2012        | 93.1395                         | 5.1537                         | 0.2418                     | 0.7270                      | 0.9688                                   | 39.3526                                                    | 50.9676                                                   |
| 6/21/2012        | 93.5838                         | 5.0095                         | 0.2711                     | 0.7410                      | 1.0121                                   | 39.0744                                                    | 50.7888                                                   |
| 6/22/2012        | 93.4930                         | 5.1279                         | 0.2507                     | 0.6992                      | 0.9499                                   | 39.1537                                                    | 50.8718                                                   |
| 6/23/2012        | 93.6352                         | 4.9594                         | 0.2643                     | 0.7430                      | 1.0073                                   | 39.0635                                                    | 50.7843                                                   |
| 6/24/2012        | 93.6200                         | 4.9185                         | 0.2690                     | 0.7907                      | 1.0597                                   | 39.0352                                                    | 50.7331                                                   |
| 6/25/2012        | 93.4716                         | 5.1068                         | 0.2593                     | 0.7532                      | 1.0124                                   | 39.1105                                                    | 50.8062                                                   |
| 6/26/2012        | 93.4486                         | 5.1566                         | 0.2461                     | 0.7148                      | 0.9609                                   | 39.1597                                                    | 50.8665                                                   |
| 6/27/2012        | 93.4063                         | 5.2051                         | 0.2482                     | 0.6735                      | 0.9217                                   | 39.2098                                                    | 50.9223                                                   |
| 6/28/2012        | 93.4751                         | 5.1807                         | 0.2366                     | 0.6710                      | 0.9076                                   | 39.1877                                                    | 50.9170                                                   |
| 6/29/2012        | 93.5383                         | 5.1205                         | 0.2430                     | 0.6889                      | 0.9319                                   | 39.1428                                                    | 50.8764                                                   |
| 6/30/2012        | 93.5093                         | 5.1007                         | 0.2468                     | 0.6931                      | 0.9399                                   | 39.1612                                                    | 50.8819                                                   |
| <b>Promedios</b> | <b>93.3180</b>                  | <b>5.0485</b>                  | <b>0.2392</b>              | <b>0.7460</b>               | <b>0.9852</b>                            | <b>39.2544</b>                                             | <b>50.9006</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.6352 | 5.2691 | 0.2711 | 0.8327 | 1.0913 | 39.5976                   | 51.1547           |
| <b>Mínimo</b>         | 92.8546 | 4.8267 | 0.2066 | 0.6710 | 0.8836 | 39.0352                   | 50.7331           |
| <b>Desv. Estándar</b> | 0.2099  | 0.1156 | 0.0160 | 0.0474 | 0.0543 | 0.1469                    | 0.1032            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Madero II**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico<br>MJ/m3                                  | I. Wobbe<br>MJ/m3                                         |
| 6/1/2012         | 93.1210                         | 5.2953                         | 0.2402                     | 0.6885                      | 0.9287                                   | 39.3446                                                    | 50.9928                                                   |
| 6/2/2012         | 93.2987                         | 5.0831                         | 0.2694                     | 0.8370                      | 1.1064                                   | 39.1281                                                    | 50.7552                                                   |
| 6/3/2012         | 93.5050                         | 4.9207                         | 0.2591                     | 0.8269                      | 1.0860                                   | 39.0764                                                    | 50.7375                                                   |
| 6/4/2012         | 93.3231                         | 5.1554                         | 0.2394                     | 0.7442                      | 0.9836                                   | 39.2112                                                    | 50.8799                                                   |
| 6/5/2012         | 93.4838                         | 4.9725                         | 0.2579                     | 0.8128                      | 1.0707                                   | 39.0876                                                    | 50.7543                                                   |
| 6/6/2012         | 93.0782                         | 5.0109                         | 0.4130                     | 0.7946                      | 1.2076                                   | 39.2291                                                    | 50.8614                                                   |
| 6/7/2012         | 93.1326                         | 4.9945                         | 0.2637                     | 0.7551                      | 1.0188                                   | 39.3621                                                    | 50.9625                                                   |
| 6/8/2012         | 93.2293                         | 4.9569                         | 0.2334                     | 0.7461                      | 0.9795                                   | 39.3419                                                    | 50.9538                                                   |
| 6/9/2012         | 93.2857                         | 4.9095                         | 0.2488                     | 0.7941                      | 1.0429                                   | 39.2631                                                    | 50.8694                                                   |
| 6/10/2012        | 93.3736                         | 4.8217                         | 0.2505                     | 0.8024                      | 1.0529                                   | 39.2307                                                    | 50.8446                                                   |
| 6/11/2012        | 93.0569                         | 5.0474                         | 0.2397                     | 0.7563                      | 0.9960                                   | 39.4139                                                    | 50.9842                                                   |
| 6/12/2012        | 93.0154                         | 5.0350                         | 0.2445                     | 0.7901                      | 1.0347                                   | 39.4036                                                    | 50.9529                                                   |
| 6/13/2012        | 92.9997                         | 5.0873                         | 0.2370                     | 0.7587                      | 0.9957                                   | 39.4315                                                    | 50.9934                                                   |
| 6/14/2012        | 93.0960                         | 5.0540                         | 0.2323                     | 0.7583                      | 0.9906                                   | 39.3857                                                    | 50.9705                                                   |
| 6/15/2012        | 93.0912                         | 5.0378                         | 0.2351                     | 0.7517                      | 0.9868                                   | 39.3995                                                    | 50.9814                                                   |
| 6/16/2012        | 93.3368                         | 4.8552                         | 0.2548                     | 0.8230                      | 1.0778                                   | 39.2172                                                    | 50.8209                                                   |
| 6/17/2012        | 93.3491                         | 4.8455                         | 0.2500                     | 0.8149                      | 1.0649                                   | 39.2272                                                    | 50.8343                                                   |
| 6/18/2012        | 92.8909                         | 5.1605                         | 0.2201                     | 0.6954                      | 0.9155                                   | 39.5534                                                    | 51.1131                                                   |
| 6/19/2012        | 93.0139                         | 5.0724                         | 0.2241                     | 0.7172                      | 0.9413                                   | 39.4796                                                    | 51.0550                                                   |
| 6/20/2012        | 93.0923                         | 5.1488                         | 0.2511                     | 0.7311                      | 0.9823                                   | 39.3693                                                    | 50.9717                                                   |
| 6/21/2012        | 93.5403                         | 5.0215                         | 0.2844                     | 0.7543                      | 1.0387                                   | 39.0701                                                    | 50.7730                                                   |
| 6/22/2012        | 93.4742                         | 5.1229                         | 0.2649                     | 0.7080                      | 0.9729                                   | 39.1436                                                    | 50.8554                                                   |
| 6/23/2012        | 93.6035                         | 4.9722                         | 0.2756                     | 0.7434                      | 1.0191                                   | 39.0668                                                    | 50.7826                                                   |
| 6/24/2012        | 93.6101                         | 4.9087                         | 0.2819                     | 0.7985                      | 1.0804                                   | 39.0235                                                    | 50.7171                                                   |
| 6/25/2012        | 93.4562                         | 5.0969                         | 0.2722                     | 0.7610                      | 1.0332                                   | 39.1027                                                    | 50.7924                                                   |
| 6/26/2012        | 93.4292                         | 5.1459                         | 0.2614                     | 0.7296                      | 0.9911                                   | 39.1453                                                    | 50.8430                                                   |
| 6/27/2012        | 93.3805                         | 5.2112                         | 0.2588                     | 0.6819                      | 0.9408                                   | 39.2043                                                    | 50.9104                                                   |
| 6/28/2012        | 93.4601                         | 5.1740                         | 0.2495                     | 0.6770                      | 0.9264                                   | 39.1800                                                    | 50.9045                                                   |
| 6/29/2012        | 93.5494                         | 5.0852                         | 0.2579                     | 0.6980                      | 0.9559                                   | 39.1237                                                    | 50.8544                                                   |
| 6/30/2012        | 93.4732                         | 5.1165                         | 0.2581                     | 0.7030                      | 0.9612                                   | 39.1568                                                    | 50.8693                                                   |
| <b>Promedios</b> | <b>93.2917</b>                  | <b>5.0440</b>                  | <b>0.2576</b>              | <b>0.7551</b>               | <b>1.0127</b>                            | <b>39.2457</b>                                             | <b>50.8864</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.6101 | 5.2953 | 0.4130 | 0.8370 | 1.2076 | 39.5534                   | 51.1131           |
| <b>Mínimo</b>         | 92.8909 | 4.8217 | 0.2201 | 0.6770 | 0.9155 | 39.0235                   | 50.7171           |
| <b>Desv. Estándar</b> | 0.2074  | 0.1135 | 0.0334 | 0.0464 | 0.0638 | 0.1415                    | 0.0988            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Iberdrola Altamira**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.1679                         | 5.2691                         | 0.2297                     | 0.6855                      | 0.9152                                   | 39.3380                                                    | 50.9941                                                   |
| 6/2/2012         | 93.3206                         | 5.0804                         | 0.2586                     | 0.8327                      | 1.0913                                   | 39.1318                                                    | 50.7633                                                   |
| 6/3/2012         | 93.5322                         | 4.9249                         | 0.2466                     | 0.8167                      | 1.0633                                   | 39.0810                                                    | 50.7511                                                   |
| 6/4/2012         | 93.3213                         | 5.1792                         | 0.2266                     | 0.7303                      | 0.9569                                   | 39.2312                                                    | 50.9047                                                   |
| 6/5/2012         | 93.5355                         | 4.9377                         | 0.2493                     | 0.8173                      | 1.0666                                   | 39.0736                                                    | 50.7452                                                   |
| 6/6/2012         | 93.3149                         | 5.0592                         | 0.2403                     | 0.7713                      | 1.0116                                   | 39.2225                                                    | 50.8649                                                   |
| 6/7/2012         | 93.1532                         | 5.0241                         | 0.2170                     | 0.7345                      | 0.9515                                   | 39.3979                                                    | 50.9988                                                   |
| 6/8/2012         | 93.2156                         | 4.9815                         | 0.2206                     | 0.7315                      | 0.9521                                   | 39.3703                                                    | 50.9837                                                   |
| 6/9/2012         | 93.3175                         | 4.8968                         | 0.2378                     | 0.7899                      | 1.0277                                   | 39.2640                                                    | 50.8760                                                   |
| 6/10/2012        | 93.3914                         | 4.8267                         | 0.2380                     | 0.7940                      | 1.0320                                   | 39.2395                                                    | 50.8592                                                   |
| 6/11/2012        | 93.0534                         | 5.0626                         | 0.2281                     | 0.7442                      | 0.9723                                   | 39.4351                                                    | 51.0078                                                   |
| 6/12/2012        | 93.0222                         | 5.0458                         | 0.2318                     | 0.7808                      | 1.0125                                   | 39.4179                                                    | 50.9713                                                   |
| 6/13/2012        | 93.0234                         | 5.0821                         | 0.2259                     | 0.7474                      | 0.9732                                   | 39.4420                                                    | 51.0100                                                   |
| 6/14/2012        | 93.1061                         | 5.0601                         | 0.2229                     | 0.7531                      | 0.9760                                   | 39.3930                                                    | 50.9806                                                   |
| 6/15/2012        | 93.1053                         | 5.0390                         | 0.2234                     | 0.7418                      | 0.9651                                   | 39.4126                                                    | 50.9991                                                   |
| 6/16/2012        | 93.3876                         | 4.8329                         | 0.2437                     | 0.8192                      | 1.0629                                   | 39.2089                                                    | 50.8220                                                   |
| 6/17/2012        | 93.3610                         | 4.8537                         | 0.2373                     | 0.8038                      | 1.0411                                   | 39.2407                                                    | 50.8534                                                   |
| 6/18/2012        | 92.8546                         | 5.1916                         | 0.2066                     | 0.6770                      | 0.8836                                   | 39.5976                                                    | 51.1547                                                   |
| 6/19/2012        | 93.0356                         | 5.0674                         | 0.2148                     | 0.7125                      | 0.9273                                   | 39.4830                                                    | 51.0625                                                   |
| 6/20/2012        | 93.1395                         | 5.1537                         | 0.2418                     | 0.7270                      | 0.9688                                   | 39.3526                                                    | 50.9676                                                   |
| 6/21/2012        | 93.5838                         | 5.0095                         | 0.2711                     | 0.7410                      | 1.0121                                   | 39.0744                                                    | 50.7888                                                   |
| 6/22/2012        | 93.4930                         | 5.1279                         | 0.2507                     | 0.6992                      | 0.9499                                   | 39.1537                                                    | 50.8718                                                   |
| 6/23/2012        | 93.6352                         | 4.9594                         | 0.2643                     | 0.7430                      | 1.0073                                   | 39.0635                                                    | 50.7843                                                   |
| 6/24/2012        | 93.6200                         | 4.9185                         | 0.2690                     | 0.7907                      | 1.0597                                   | 39.0352                                                    | 50.7331                                                   |
| 6/25/2012        | 93.4716                         | 5.1068                         | 0.2593                     | 0.7532                      | 1.0124                                   | 39.1105                                                    | 50.8062                                                   |
| 6/26/2012        | 93.4486                         | 5.1566                         | 0.2461                     | 0.7148                      | 0.9609                                   | 39.1597                                                    | 50.8665                                                   |
| 6/27/2012        | 93.4063                         | 5.2051                         | 0.2482                     | 0.6735                      | 0.9217                                   | 39.2098                                                    | 50.9223                                                   |
| 6/28/2012        | 93.4751                         | 5.1807                         | 0.2366                     | 0.6710                      | 0.9076                                   | 39.1877                                                    | 50.9170                                                   |
| 6/29/2012        | 93.5383                         | 5.1205                         | 0.2430                     | 0.6889                      | 0.9319                                   | 39.1428                                                    | 50.8764                                                   |
| 6/30/2012        | 93.5093                         | 5.1007                         | 0.2468                     | 0.6931                      | 0.9399                                   | 39.1612                                                    | 50.8819                                                   |
| <b>Promedios</b> | <b>93.3180</b>                  | <b>5.0485</b>                  | <b>0.2392</b>              | <b>0.7460</b>               | <b>0.9852</b>                            | <b>39.2544</b>                                             | <b>50.9006</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico | I. Wobbe |
|-----------------------|---------|--------|--------|--------|--------|------------------|----------|
| <b>Máximo</b>         | 93.6352 | 5.2691 | 0.2711 | 0.8327 | 1.0913 | 39.5976          | 51.1547  |
| <b>Mínimo</b>         | 92.8546 | 4.8267 | 0.2066 | 0.6710 | 0.8836 | 39.0352          | 50.7331  |
| <b>Desv. Estándar</b> | 0.2099  | 0.1156 | 0.0160 | 0.0474 | 0.0543 | 0.1469           | 0.1032   |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Zacate Colorado**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.1414                         | 5.2674                         | 0.2426                     | 0.6870                      | 0.9296                                   | 39.3182                                                    | 50.9617                                                   |
| 6/2/2012         | 93.1668                         | 5.2723                         | 0.2316                     | 0.6728                      | 0.9044                                   | 39.3241                                                    | 50.9798                                                   |
| 6/3/2012         | 93.3414                         | 5.0553                         | 0.2644                     | 0.8290                      | 1.0935                                   | 39.0999                                                    | 50.7312                                                   |
| 6/4/2012         | 93.5500                         | 4.8977                         | 0.2538                     | 0.8159                      | 1.0697                                   | 39.0685                                                    | 50.7432                                                   |
| 6/5/2012         | 93.3538                         | 5.1421                         | 0.2326                     | 0.7313                      | 0.9639                                   | 39.2128                                                    | 50.8928                                                   |
| 6/6/2012         | 93.5309                         | 4.9450                         | 0.2534                     | 0.8032                      | 1.0567                                   | 39.0776                                                    | 50.7573                                                   |
| 6/7/2012         | 93.3014                         | 5.0593                         | 0.2434                     | 0.7558                      | 0.9992                                   | 39.2392                                                    | 50.8855                                                   |
| 6/8/2012         | 93.1716                         | 5.0032                         | 0.2208                     | 0.7293                      | 0.9501                                   | 39.3908                                                    | 50.9986                                                   |
| 6/9/2012         | 93.2339                         | 4.9629                         | 0.2265                     | 0.7286                      | 0.9551                                   | 39.3589                                                    | 50.9786                                                   |
| 6/10/2012        | 93.3535                         | 4.8566                         | 0.2444                     | 0.7906                      | 1.0350                                   | 39.2448                                                    | 50.8636                                                   |
| 6/11/2012        | 93.4012                         | 4.8107                         | 0.2433                     | 0.7908                      | 1.0340                                   | 39.2335                                                    | 50.8575                                                   |
| 6/12/2012        | 93.1414                         | 5.2674                         | 0.2426                     | 0.6870                      | 0.9296                                   | 39.3182                                                    | 50.9617                                                   |
| 6/13/2012        | 93.1668                         | 5.2723                         | 0.2316                     | 0.6728                      | 0.9044                                   | 39.3241                                                    | 50.9798                                                   |
| 6/14/2012        | 93.3414                         | 5.0553                         | 0.2644                     | 0.8290                      | 1.0935                                   | 39.0999                                                    | 50.7312                                                   |
| 6/15/2012        | 93.5500                         | 4.8977                         | 0.2538                     | 0.8159                      | 1.0697                                   | 39.0685                                                    | 50.7432                                                   |
| 6/16/2012        | 93.3538                         | 5.1421                         | 0.2326                     | 0.7313                      | 0.9639                                   | 39.2128                                                    | 50.8928                                                   |
| 6/17/2012        | 93.5309                         | 4.9450                         | 0.2534                     | 0.8032                      | 1.0567                                   | 39.0776                                                    | 50.7573                                                   |
| 6/18/2012        | 93.3014                         | 5.0593                         | 0.2434                     | 0.7558                      | 0.9992                                   | 39.2392                                                    | 50.8855                                                   |
| 6/19/2012        | 93.1716                         | 5.0032                         | 0.2208                     | 0.7293                      | 0.9501                                   | 39.3908                                                    | 50.9986                                                   |
| 6/20/2012        | 93.2339                         | 4.9629                         | 0.2265                     | 0.7286                      | 0.9551                                   | 39.3589                                                    | 50.9786                                                   |
| 6/21/2012        | 93.3535                         | 4.8566                         | 0.2444                     | 0.7906                      | 1.0350                                   | 39.2448                                                    | 50.8636                                                   |
| 6/22/2012        | 93.4012                         | 4.8107                         | 0.2433                     | 0.7908                      | 1.0340                                   | 39.2335                                                    | 50.8575                                                   |
| 6/23/2012        | 93.1414                         | 5.2674                         | 0.2426                     | 0.6870                      | 0.9296                                   | 39.3182                                                    | 50.9617                                                   |
| 6/24/2012        | 93.1668                         | 5.2723                         | 0.2316                     | 0.6728                      | 0.9044                                   | 39.3241                                                    | 50.9798                                                   |
| 6/25/2012        | 93.3414                         | 5.0553                         | 0.2644                     | 0.8290                      | 1.0935                                   | 39.0999                                                    | 50.7312                                                   |
| 6/26/2012        | 93.5500                         | 4.8977                         | 0.2538                     | 0.8159                      | 1.0697                                   | 39.0685                                                    | 50.7432                                                   |
| 6/27/2012        | 93.3538                         | 5.1421                         | 0.2326                     | 0.7313                      | 0.9639                                   | 39.2128                                                    | 50.8928                                                   |
| 6/28/2012        | 93.5309                         | 4.9450                         | 0.2534                     | 0.8032                      | 1.0567                                   | 39.0776                                                    | 50.7573                                                   |
| 6/29/2012        | 93.3014                         | 5.0593                         | 0.2434                     | 0.7558                      | 0.9992                                   | 39.2392                                                    | 50.8855                                                   |
| 6/30/2012        | 93.1716                         | 5.0032                         | 0.2208                     | 0.7293                      | 0.9501                                   | 39.3908                                                    | 50.9986                                                   |
| <b>Promedios</b> | <b>93.3216</b>                  | <b>5.0396</b>                  | <b>0.2419</b>              | <b>0.7564</b>               | <b>0.9983</b>                            | <b>39.2289</b>                                             | <b>50.8750</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico | I. Wobbe |
|-----------------------|---------|--------|--------|--------|--------|------------------|----------|
| <b>Máximo</b>         | 93.5500 | 5.2723 | 0.2644 | 0.8290 | 1.0935 | 39.3908          | 50.9986  |
| <b>Mínimo</b>         | 93.1414 | 4.8107 | 0.2208 | 0.6728 | 0.9044 | 39.0685          | 50.7312  |
| <b>Desv. Estándar</b> | 0.1390  | 0.1470 | 0.0128 | 0.0521 | 0.0624 | 0.1116           | 0.0984   |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad CPG Poza Rica**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.1414                         | 5.2674                         | 0.2426                     | 0.6870                      | 0.9296                                   | 39.3182                                                    | 50.9617                                                   |
| 6/2/2012         | 93.1668                         | 5.2723                         | 0.2316                     | 0.6728                      | 0.9044                                   | 39.3241                                                    | 50.9798                                                   |
| 6/3/2012         | 93.3414                         | 5.0553                         | 0.2644                     | 0.8290                      | 1.0935                                   | 39.0999                                                    | 50.7312                                                   |
| 6/4/2012         | 93.5500                         | 4.8977                         | 0.2538                     | 0.8159                      | 1.0697                                   | 39.0685                                                    | 50.7432                                                   |
| 6/5/2012         | 93.3538                         | 5.1421                         | 0.2326                     | 0.7313                      | 0.9639                                   | 39.2128                                                    | 50.8928                                                   |
| 6/6/2012         | 93.5309                         | 4.9450                         | 0.2534                     | 0.8032                      | 1.0567                                   | 39.0776                                                    | 50.7573                                                   |
| 6/7/2012         | 93.3014                         | 5.0593                         | 0.2434                     | 0.7558                      | 0.9992                                   | 39.2392                                                    | 50.8855                                                   |
| 6/8/2012         | 93.1716                         | 5.0032                         | 0.2208                     | 0.7293                      | 0.9501                                   | 39.3908                                                    | 50.9986                                                   |
| 6/9/2012         | 93.2339                         | 4.9629                         | 0.2265                     | 0.7286                      | 0.9551                                   | 39.3589                                                    | 50.9786                                                   |
| 6/10/2012        | 93.3535                         | 4.8566                         | 0.2444                     | 0.7906                      | 1.0350                                   | 39.2448                                                    | 50.8636                                                   |
| 6/11/2012        | 93.4012                         | 4.8107                         | 0.2433                     | 0.7908                      | 1.0340                                   | 39.2335                                                    | 50.8575                                                   |
| 6/12/2012        | 93.1414                         | 5.2674                         | 0.2426                     | 0.6870                      | 0.9296                                   | 39.3182                                                    | 50.9617                                                   |
| 6/13/2012        | 93.1668                         | 5.2723                         | 0.2316                     | 0.6728                      | 0.9044                                   | 39.3241                                                    | 50.9798                                                   |
| 6/14/2012        | 93.3414                         | 5.0553                         | 0.2644                     | 0.8290                      | 1.0935                                   | 39.0999                                                    | 50.7312                                                   |
| 6/15/2012        | 93.5500                         | 4.8977                         | 0.2538                     | 0.8159                      | 1.0697                                   | 39.0685                                                    | 50.7432                                                   |
| 6/16/2012        | 93.3538                         | 5.1421                         | 0.2326                     | 0.7313                      | 0.9639                                   | 39.2128                                                    | 50.8928                                                   |
| 6/17/2012        | 93.5309                         | 4.9450                         | 0.2534                     | 0.8032                      | 1.0567                                   | 39.0776                                                    | 50.7573                                                   |
| 6/18/2012        | 93.3014                         | 5.0593                         | 0.2434                     | 0.7558                      | 0.9992                                   | 39.2392                                                    | 50.8855                                                   |
| 6/19/2012        | 93.1716                         | 5.0032                         | 0.2208                     | 0.7293                      | 0.9501                                   | 39.3908                                                    | 50.9986                                                   |
| 6/20/2012        | 93.2339                         | 4.9629                         | 0.2265                     | 0.7286                      | 0.9551                                   | 39.3589                                                    | 50.9786                                                   |
| 6/21/2012        | 93.3535                         | 4.8566                         | 0.2444                     | 0.7906                      | 1.0350                                   | 39.2448                                                    | 50.8636                                                   |
| 6/22/2012        | 93.4012                         | 4.8107                         | 0.2433                     | 0.7908                      | 1.0340                                   | 39.2335                                                    | 50.8575                                                   |
| 6/23/2012        | 93.1414                         | 5.2674                         | 0.2426                     | 0.6870                      | 0.9296                                   | 39.3182                                                    | 50.9617                                                   |
| 6/24/2012        | 93.1668                         | 5.2723                         | 0.2316                     | 0.6728                      | 0.9044                                   | 39.3241                                                    | 50.9798                                                   |
| 6/25/2012        | 93.3414                         | 5.0553                         | 0.2644                     | 0.8290                      | 1.0935                                   | 39.0999                                                    | 50.7312                                                   |
| 6/26/2012        | 93.5500                         | 4.8977                         | 0.2538                     | 0.8159                      | 1.0697                                   | 39.0685                                                    | 50.7432                                                   |
| 6/27/2012        | 93.3538                         | 5.1421                         | 0.2326                     | 0.7313                      | 0.9639                                   | 39.2128                                                    | 50.8928                                                   |
| 6/28/2012        | 93.5309                         | 4.9450                         | 0.2534                     | 0.8032                      | 1.0567                                   | 39.0776                                                    | 50.7573                                                   |
| 6/29/2012        | 93.3014                         | 5.0593                         | 0.2434                     | 0.7558                      | 0.9992                                   | 39.2392                                                    | 50.8855                                                   |
| 6/30/2012        | 93.1716                         | 5.0032                         | 0.2208                     | 0.7293                      | 0.9501                                   | 39.3908                                                    | 50.9986                                                   |
| <b>Promedios</b> | <b>93.3216</b>                  | <b>5.0396</b>                  | <b>0.2419</b>              | <b>0.7564</b>               | <b>0.9983</b>                            | <b>39.2289</b>                                             | <b>50.8750</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.5500 | 5.2723 | 0.2644 | 0.8290 | 1.0935 | 39.3908                   | 50.9986           |
| <b>Mínimo</b>         | 93.1414 | 4.8107 | 0.2208 | 0.6728 | 0.9044 | 39.0685                   | 50.7312           |
| <b>Desv. Estándar</b> | 0.1390  | 0.1470 | 0.0128 | 0.0521 | 0.0624 | 0.1116                    | 0.0984            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Raudal**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico<br>MJ/m3                                  | I. Wobbe<br>MJ/m3                                         |
| 6/1/2012         | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1243                                                    | 50.7199                                                   |
| 6/2/2012         | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1287                                                    | 50.6808                                                   |
| 6/3/2012         | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1275                                                    | 50.6792                                                   |
| 6/4/2012         | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1318                                                    | 50.6849                                                   |
| 6/5/2012         | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1275                                                    | 50.6792                                                   |
| 6/6/2012         | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1337                                                    | 50.6875                                                   |
| 6/7/2012         | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1341                                                    | 50.6881                                                   |
| 6/8/2012         | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1337                                                    | 50.6875                                                   |
| 6/9/2012         | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1314                                                    | 50.6844                                                   |
| 6/10/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1302                                                    | 50.6829                                                   |
| 6/11/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1314                                                    | 50.6844                                                   |
| 6/12/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1310                                                    | 50.6839                                                   |
| 6/13/2012        | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1247                                                    | 50.7204                                                   |
| 6/14/2012        | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1294                                                    | 50.6818                                                   |
| 6/15/2012        | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1287                                                    | 50.6808                                                   |
| 6/16/2012        | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1298                                                    | 50.6823                                                   |
| 6/17/2012        | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1267                                                    | 50.6782                                                   |
| 6/18/2012        | 98.7100                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1279                                                    | 50.6797                                                   |
| 6/19/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1353                                                    | 50.6896                                                   |
| 6/20/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1361                                                    | 50.6907                                                   |
| 6/21/2012        | 98.6900                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1392                                                    | 50.6948                                                   |
| 6/22/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1349                                                    | 50.6891                                                   |
| 6/23/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1384                                                    | 50.6938                                                   |
| 6/24/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1384                                                    | 50.6938                                                   |
| 6/25/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1384                                                    | 50.6938                                                   |
| 6/26/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1388                                                    | 50.6943                                                   |
| 6/27/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1392                                                    | 50.6948                                                   |
| 6/28/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1369                                                    | 50.6917                                                   |
| 6/29/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1373                                                    | 50.6922                                                   |
| 6/30/2012        | 98.7000                         | 0.6300                         | 0.1000                     | 0.1400                      | 0.2400                                   | 38.1377                                                    | 50.6927                                                   |
| <b>Promedios</b> | <b>98.7030</b>                  | <b>0.6300</b>                  | <b>0.1000</b>              | <b>0.1400</b>               | <b>0.2400</b>                            | <b>38.1328</b>                                             | <b>50.6892</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 98.7100 | 0.6300 | 0.1000 | 0.1400 | 0.2400 | 38.1392                   | 50.7204           |
| <b>Mínimo</b>         | 98.6900 | 0.6300 | 0.1000 | 0.1400 | 0.2400 | 38.1243                   | 50.6782           |
| <b>Desv. Estándar</b> | 0.0054  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0046                    | 0.0100            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Cd. Mendoza**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 98.7878                         | 0.5799                         | 0.1693                     | 0.1330                      | 0.3023                                   | 38.0751                                                    | 50.6984                                                   |
| 6/2/2012         | 98.8151                         | 0.5662                         | 0.1576                     | 0.1287                      | 0.2863                                   | 38.0798                                                    | 50.7097                                                   |
| 6/3/2012         | 98.7518                         | 0.6267                         | 0.1769                     | 0.1250                      | 0.3020                                   | 38.0780                                                    | 50.7026                                                   |
| 6/4/2012         | 98.2374                         | 0.8724                         | 0.4489                     | 0.1279                      | 0.5768                                   | 38.0397                                                    | 50.5497                                                   |
| 6/5/2012         | 98.1170                         | 0.9140                         | 0.5316                     | 0.1249                      | 0.6565                                   | 38.0213                                                    | 50.5023                                                   |
| 6/6/2012         | 98.6920                         | 0.6513                         | 0.2204                     | 0.1261                      | 0.3465                                   | 38.0617                                                    | 50.6718                                                   |
| 6/7/2012         | 98.7546                         | 0.6181                         | 0.1788                     | 0.1279                      | 0.3068                                   | 38.0792                                                    | 50.6999                                                   |
| 6/8/2012         | 98.7580                         | 0.6175                         | 0.1690                     | 0.1282                      | 0.2973                                   | 38.0903                                                    | 50.7105                                                   |
| 6/9/2012         | 98.7735                         | 0.6129                         | 0.1627                     | 0.1273                      | 0.2899                                   | 38.0863                                                    | 50.7120                                                   |
| 6/10/2012        | 98.7760                         | 0.6108                         | 0.1616                     | 0.1264                      | 0.2880                                   | 38.0861                                                    | 50.7130                                                   |
| 6/11/2012        | 98.7873                         | 0.5966                         | 0.1662                     | 0.1284                      | 0.2946                                   | 38.0755                                                    | 50.7035                                                   |
| 6/12/2012        | 98.7379                         | 0.6316                         | 0.1641                     | 0.1388                      | 0.3028                                   | 38.0907                                                    | 50.7055                                                   |
| 6/13/2012        | 98.7420                         | 0.6407                         | 0.1696                     | 0.1318                      | 0.3014                                   | 38.0764                                                    | 50.7000                                                   |
| 6/14/2012        | 98.7672                         | 0.6307                         | 0.1644                     | 0.1310                      | 0.2954                                   | 38.0614                                                    | 50.6948                                                   |
| 6/15/2012        | 98.7499                         | 0.6284                         | 0.1653                     | 0.1288                      | 0.2940                                   | 38.0959                                                    | 50.7150                                                   |
| 6/16/2012        | 98.7860                         | 0.6093                         | 0.1624                     | 0.1264                      | 0.2888                                   | 38.0759                                                    | 50.7071                                                   |
| 6/17/2012        | 98.0497                         | 0.9573                         | 0.5566                     | 0.1167                      | 0.6733                                   | 38.0361                                                    | 50.5047                                                   |
| 6/18/2012        | 98.2847                         | 0.8492                         | 0.4180                     | 0.1193                      | 0.5373                                   | 38.0737                                                    | 50.5895                                                   |
| 6/19/2012        | 97.5309                         | 1.2679                         | 0.7189                     | 0.1197                      | 0.8386                                   | 38.1007                                                    | 50.4627                                                   |
| 6/20/2012        | 97.5811                         | 1.1905                         | 0.7604                     | 0.1188                      | 0.8792                                   | 38.0537                                                    | 50.4172                                                   |
| 6/21/2012        | 97.8665                         | 1.0467                         | 0.6221                     | 0.1232                      | 0.7453                                   | 38.0620                                                    | 50.4837                                                   |
| 6/22/2012        | 97.7359                         | 1.0894                         | 0.7101                     | 0.1205                      | 0.8306                                   | 38.0435                                                    | 50.4338                                                   |
| 6/23/2012        | 97.7255                         | 1.0851                         | 0.7291                     | 0.1201                      | 0.8492                                   | 38.0293                                                    | 50.4171                                                   |
| 6/24/2012        | 97.7924                         | 1.0610                         | 0.6973                     | 0.1196                      | 0.8169                                   | 38.0272                                                    | 50.4313                                                   |
| 6/25/2012        | 97.9093                         | 0.9929                         | 0.6430                     | 0.1269                      | 0.7700                                   | 38.0260                                                    | 50.4508                                                   |
| 6/26/2012        | 97.7794                         | 1.0714                         | 0.7014                     | 0.1205                      | 0.8220                                   | 38.0265                                                    | 50.4283                                                   |
| 6/27/2012        | 97.7596                         | 1.0985                         | 0.6811                     | 0.1231                      | 0.8041                                   | 38.0509                                                    | 50.4498                                                   |
| 6/28/2012        | 97.6238                         | 1.2057                         | 0.7101                     | 0.1305                      | 0.8406                                   | 38.0588                                                    | 50.4355                                                   |
| 6/29/2012        | 97.3313                         | 1.3949                         | 0.8459                     | 0.1123                      | 0.9583                                   | 38.0554                                                    | 50.3832                                                   |
| 6/30/2012        | 98.7424                         | 0.6336                         | 0.1650                     | 0.1205                      | 0.2855                                   | 38.1182                                                    | 50.7336                                                   |
| <b>Promedios</b> | <b>98.2915</b>                  | <b>0.8450</b>                  | <b>0.4109</b>              | <b>0.1251</b>               | <b>0.5360</b>                            | <b>38.0645</b>                                             | <b>50.5839</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 98.8151 | 1.3949 | 0.8459 | 0.1388 | 0.9583 | 38.1182                   | 50.7336           |
| <b>Mínimo</b>         | 97.3313 | 0.5662 | 0.1576 | 0.1123 | 0.2855 | 38.0213                   | 50.3832           |
| <b>Desv. Estándar</b> | 0.5125  | 0.2545 | 0.2582 | 0.0056 | 0.2545 | 0.0252                    | 0.1294            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad El Veinte**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 98.3771                         | 0.5527                         | 0.1864                     | 0.2187                      | 0.4051                                   | 38.3732                                                    | 50.7951                                                   |
| 6/2/2012         | 98.3883                         | 0.5506                         | 0.1858                     | 0.2174                      | 0.4032                                   | 38.3666                                                    | 50.7927                                                   |
| 6/3/2012         | 98.4398                         | 0.5374                         | 0.1819                     | 0.2111                      | 0.3930                                   | 38.3396                                                    | 50.7841                                                   |
| 6/4/2012         | 98.4673                         | 0.5280                         | 0.1794                     | 0.2074                      | 0.3867                                   | 38.3302                                                    | 50.7827                                                   |
| 6/5/2012         | 98.4743                         | 0.5269                         | 0.1790                     | 0.2071                      | 0.3861                                   | 38.3231                                                    | 50.7791                                                   |
| 6/6/2012         | 98.4733                         | 0.5279                         | 0.1792                     | 0.2076                      | 0.3868                                   | 38.3210                                                    | 50.7775                                                   |
| 6/7/2012         | 98.4733                         | 0.5276                         | 0.1792                     | 0.2076                      | 0.3868                                   | 38.3214                                                    | 50.7777                                                   |
| 6/8/2012         | 98.4733                         | 0.5245                         | 0.1784                     | 0.2089                      | 0.3872                                   | 38.3233                                                    | 50.7783                                                   |
| 6/9/2012         | 98.4718                         | 0.5280                         | 0.1796                     | 0.2074                      | 0.3870                                   | 38.3226                                                    | 50.7783                                                   |
| 6/10/2012        | 98.4783                         | 0.5261                         | 0.1764                     | 0.2073                      | 0.3838                                   | 38.3219                                                    | 50.7795                                                   |
| 6/11/2012        | 98.4802                         | 0.5250                         | 0.1759                     | 0.2076                      | 0.3835                                   | 38.3209                                                    | 50.7790                                                   |
| 6/12/2012        | 98.4776                         | 0.5246                         | 0.1782                     | 0.2074                      | 0.3857                                   | 38.3208                                                    | 50.7780                                                   |
| 6/13/2012        | 98.4815                         | 0.5238                         | 0.1766                     | 0.2075                      | 0.3841                                   | 38.3191                                                    | 50.7786                                                   |
| 6/14/2012        | 98.4843                         | 0.5230                         | 0.1767                     | 0.2066                      | 0.3833                                   | 38.3184                                                    | 50.7780                                                   |
| 6/15/2012        | 98.4762                         | 0.5244                         | 0.1783                     | 0.2079                      | 0.3862                                   | 38.3225                                                    | 50.7786                                                   |
| 6/16/2012        | 98.4795                         | 0.5233                         | 0.1790                     | 0.2069                      | 0.3858                                   | 38.3211                                                    | 50.7782                                                   |
| 6/17/2012        | 98.4944                         | 0.5191                         | 0.1775                     | 0.2045                      | 0.3819                                   | 38.3145                                                    | 50.7770                                                   |
| 6/18/2012        | 98.5025                         | 0.5154                         | 0.1774                     | 0.2038                      | 0.3812                                   | 38.3104                                                    | 50.7752                                                   |
| 6/19/2012        | 98.4890                         | 0.5214                         | 0.1786                     | 0.2051                      | 0.3837                                   | 38.3152                                                    | 50.7764                                                   |
| 6/20/2012        | 98.4861                         | 0.5220                         | 0.1789                     | 0.2054                      | 0.3843                                   | 38.3173                                                    | 50.7772                                                   |
| 6/21/2012        | 98.4851                         | 0.5224                         | 0.1790                     | 0.2056                      | 0.3846                                   | 38.3173                                                    | 50.7770                                                   |
| 6/22/2012        | 98.4809                         | 0.5217                         | 0.1836                     | 0.2056                      | 0.3892                                   | 38.3155                                                    | 50.7739                                                   |
| 6/23/2012        | 98.4863                         | 0.5209                         | 0.1792                     | 0.2048                      | 0.3840                                   | 38.3187                                                    | 50.7782                                                   |
| 6/24/2012        | 98.4888                         | 0.5189                         | 0.1789                     | 0.2046                      | 0.3835                                   | 38.3190                                                    | 50.7787                                                   |
| 6/25/2012        | 98.5247                         | 0.5228                         | 0.1448                     | 0.2056                      | 0.3504                                   | 38.3236                                                    | 50.7968                                                   |
| 6/26/2012        | 98.5546                         | 0.5244                         | 0.1186                     | 0.2065                      | 0.3250                                   | 38.3245                                                    | 50.8092                                                   |
| 6/27/2012        | 98.5516                         | 0.5268                         | 0.1191                     | 0.2074                      | 0.3264                                   | 38.3223                                                    | 50.8071                                                   |
| 6/28/2012        | 98.5741                         | 0.5233                         | 0.1190                     | 0.2015                      | 0.3205                                   | 38.3089                                                    | 50.8032                                                   |
| 6/29/2012        | 98.4941                         | 0.5413                         | 0.1203                     | 0.2215                      | 0.3418                                   | 38.3485                                                    | 50.8108                                                   |
| 6/30/2012        | 98.5749                         | 0.5251                         | 0.1185                     | 0.2042                      | 0.3228                                   | 38.2977                                                    | 50.7960                                                   |
| <b>Promedios</b> | <b>98.4861</b>                  | <b>0.5266</b>                  | <b>0.1681</b>              | <b>0.2077</b>               | <b>0.3758</b>                            | <b>38.3240</b>                                             | <b>50.7844</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 98.5749 | 0.5527 | 0.1864 | 0.2215 | 0.4051 | 38.3732                   | 50.8108           |
| <b>Mínimo</b>         | 98.3771 | 0.5154 | 0.1185 | 0.2015 | 0.3205 | 38.2977                   | 50.7739           |
| <b>Desv. Estándar</b> | 0.0422  | 0.0084 | 0.0233 | 0.0043 | 0.0238 | 0.0152                    | 0.0111            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Papan**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 99.4276                         | 0.1565                         | 0.0982                     | 0.1406                      | 0.2387                                   | 37.9088                                                    | 50.6357                                                   |
| 6/2/2012         | 99.4301                         | 0.1552                         | 0.0980                     | 0.1404                      | 0.2384                                   | 37.9076                                                    | 50.6352                                                   |
| 6/3/2012         | 99.4473                         | 0.1465                         | 0.0969                     | 0.1387                      | 0.2356                                   | 37.8999                                                    | 50.6326                                                   |
| 6/4/2012         | 99.5630                         | 0.0908                         | 0.0908                     | 0.1264                      | 0.2172                                   | 37.8460                                                    | 50.6145                                                   |
| 6/5/2012         | 99.6035                         | 0.0714                         | 0.0888                     | 0.1221                      | 0.2109                                   | 37.8267                                                    | 50.6079                                                   |
| 6/6/2012         | 99.6036                         | 0.0714                         | 0.0886                     | 0.1220                      | 0.2107                                   | 37.8268                                                    | 50.6081                                                   |
| 6/7/2012         | 99.5136                         | 0.1142                         | 0.0933                     | 0.1308                      | 0.2241                                   | 37.8703                                                    | 50.6237                                                   |
| 6/8/2012         | 99.4362                         | 0.1515                         | 0.0975                     | 0.1378                      | 0.2353                                   | 37.9073                                                    | 50.6371                                                   |
| 6/9/2012         | 99.4385                         | 0.1505                         | 0.0974                     | 0.1379                      | 0.2353                                   | 37.9056                                                    | 50.6362                                                   |
| 6/10/2012        | 99.4337                         | 0.1531                         | 0.0975                     | 0.1388                      | 0.2363                                   | 37.9067                                                    | 50.6361                                                   |
| 6/11/2012        | 99.4275                         | 0.1554                         | 0.0976                     | 0.1404                      | 0.2380                                   | 37.9090                                                    | 50.6362                                                   |
| 6/12/2012        | 99.4269                         | 0.1560                         | 0.0972                     | 0.1405                      | 0.2377                                   | 37.9094                                                    | 50.6365                                                   |
| 6/13/2012        | 99.4290                         | 0.1548                         | 0.0968                     | 0.1404                      | 0.2373                                   | 37.9091                                                    | 50.6357                                                   |
| 6/14/2012        | 99.4334                         | 0.1525                         | 0.0968                     | 0.1398                      | 0.2365                                   | 37.9075                                                    | 50.6362                                                   |
| 6/15/2012        | 99.4499                         | 0.1473                         | 0.0918                     | 0.1384                      | 0.2302                                   | 37.9008                                                    | 50.6358                                                   |
| 6/16/2012        | 99.4562                         | 0.1480                         | 0.0839                     | 0.1385                      | 0.2225                                   | 37.9027                                                    | 50.6406                                                   |
| 6/17/2012        | 99.4893                         | 0.1323                         | 0.0826                     | 0.1350                      | 0.2176                                   | 37.8866                                                    | 50.6348                                                   |
| 6/18/2012        | 99.4817                         | 0.1352                         | 0.0850                     | 0.1358                      | 0.2208                                   | 37.8880                                                    | 50.6339                                                   |
| 6/19/2012        | 99.4781                         | 0.1360                         | 0.0868                     | 0.1361                      | 0.2229                                   | 37.8885                                                    | 50.6331                                                   |
| 6/20/2012        | 99.4536                         | 0.1374                         | 0.1094                     | 0.1352                      | 0.2445                                   | 37.8840                                                    | 50.6204                                                   |
| 6/21/2012        | 99.4542                         | 0.1434                         | 0.0958                     | 0.1380                      | 0.2338                                   | 37.8947                                                    | 50.6308                                                   |
| 6/22/2012        | 99.4638                         | 0.1426                         | 0.0881                     | 0.1379                      | 0.2259                                   | 37.8946                                                    | 50.6346                                                   |
| 6/23/2012        | 99.4827                         | 0.1355                         | 0.0829                     | 0.1365                      | 0.2194                                   | 37.8887                                                    | 50.6348                                                   |
| 6/24/2012        | 99.4975                         | 0.1274                         | 0.0831                     | 0.1349                      | 0.2180                                   | 37.8815                                                    | 50.6318                                                   |
| 6/25/2012        | 99.5036                         | 0.1246                         | 0.0819                     | 0.1343                      | 0.2163                                   | 37.8797                                                    | 50.6318                                                   |
| 6/26/2012        | 99.5014                         | 0.1258                         | 0.0817                     | 0.1347                      | 0.2164                                   | 37.8811                                                    | 50.6324                                                   |
| 6/27/2012        | 99.4955                         | 0.1287                         | 0.0825                     | 0.1354                      | 0.2179                                   | 37.8831                                                    | 50.6326                                                   |
| 6/28/2012        | 99.4798                         | 0.1363                         | 0.0833                     | 0.1371                      | 0.2205                                   | 37.8902                                                    | 50.6349                                                   |
| 6/29/2012        | 99.4740                         | 0.1397                         | 0.0836                     | 0.1367                      | 0.2203                                   | 37.8937                                                    | 50.6371                                                   |
| 6/30/2012        | 99.4542                         | 0.1495                         | 0.0847                     | 0.1389                      | 0.2236                                   | 37.9013                                                    | 50.6391                                                   |
| <b>Promedios</b> | <b>99.4743</b>                  | <b>0.1356</b>                  | <b>0.0908</b>              | <b>0.1360</b>               | <b>0.2268</b>                            | <b>37.8893</b>                                             | <b>50.6317</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 99.6036 | 0.1565 | 0.1094 | 0.1406 | 0.2445 | 37.9094                   | 50.6406           |
| <b>Mínimo</b>         | 99.4269 | 0.0714 | 0.0817 | 0.1220 | 0.2107 | 37.8267                   | 50.6079           |
| <b>Desv. Estándar</b> | 0.0475  | 0.0226 | 0.0072 | 0.0049 | 0.0097 | 0.0221                    | 0.0083            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Rincon Pacheco**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 99.3320                         | 0.1591                         | 0.1293                     | 0.1085                      | 0.2378                                   | 37.9459                                                    | 50.6621                                                   |
| 6/2/2012         | 99.3146                         | 0.1738                         | 0.1381                     | 0.0992                      | 0.2373                                   | 37.9533                                                    | 50.6720                                                   |
| 6/3/2012         | 99.3225                         | 0.1714                         | 0.1356                     | 0.0993                      | 0.2349                                   | 37.9506                                                    | 50.6685                                                   |
| 6/4/2012         | 99.3241                         | 0.1720                         | 0.1362                     | 0.0994                      | 0.2356                                   | 37.9492                                                    | 50.6666                                                   |
| 6/5/2012         | 99.3122                         | 0.1785                         | 0.1399                     | 0.0992                      | 0.2391                                   | 37.9512                                                    | 50.6692                                                   |
| 6/6/2012         | 99.3129                         | 0.1770                         | 0.1389                     | 0.0999                      | 0.2388                                   | 37.9515                                                    | 50.6696                                                   |
| 6/7/2012         | 99.3257                         | 0.1674                         | 0.1335                     | 0.1024                      | 0.2359                                   | 37.9494                                                    | 50.6668                                                   |
| 6/8/2012         | 99.3271                         | 0.1662                         | 0.1328                     | 0.1031                      | 0.2359                                   | 37.9493                                                    | 50.6667                                                   |
| 6/9/2012         | 99.3225                         | 0.1675                         | 0.1334                     | 0.1041                      | 0.2375                                   | 37.9508                                                    | 50.6687                                                   |
| 6/10/2012        | 99.3164                         | 0.1691                         | 0.1345                     | 0.1047                      | 0.2392                                   | 37.9525                                                    | 50.6710                                                   |
| 6/11/2012        | 99.2958                         | 0.1812                         | 0.1428                     | 0.1025                      | 0.2453                                   | 37.9564                                                    | 50.6761                                                   |
| 6/12/2012        | 99.2865                         | 0.1856                         | 0.1457                     | 0.1022                      | 0.2479                                   | 37.9584                                                    | 50.6788                                                   |
| 6/13/2012        | 99.2677                         | 0.1966                         | 0.1511                     | 0.1033                      | 0.2544                                   | 37.9595                                                    | 50.6803                                                   |
| 6/14/2012        | 99.2979                         | 0.1789                         | 0.1384                     | 0.1049                      | 0.2433                                   | 37.9560                                                    | 50.6756                                                   |
| 6/15/2012        | 99.3146                         | 0.1702                         | 0.1324                     | 0.1060                      | 0.2384                                   | 37.9529                                                    | 50.6714                                                   |
| 6/16/2012        | 99.3171                         | 0.1693                         | 0.1316                     | 0.1050                      | 0.2366                                   | 37.9532                                                    | 50.6718                                                   |
| 6/17/2012        | 99.3350                         | 0.1582                         | 0.1244                     | 0.1072                      | 0.2316                                   | 37.9497                                                    | 50.6672                                                   |
| 6/18/2012        | 99.2956                         | 0.1809                         | 0.1404                     | 0.1031                      | 0.2435                                   | 37.9570                                                    | 50.6770                                                   |
| 6/19/2012        | 99.2369                         | 0.2194                         | 0.1614                     | 0.0969                      | 0.2583                                   | 37.9672                                                    | 50.6905                                                   |
| 6/20/2012        | 99.2460                         | 0.2149                         | 0.1584                     | 0.0970                      | 0.2554                                   | 37.9653                                                    | 50.6881                                                   |
| 6/21/2012        | 99.2448                         | 0.2158                         | 0.1585                     | 0.0970                      | 0.2555                                   | 37.9654                                                    | 50.6882                                                   |
| 6/22/2012        | 99.3740                         | 0.1355                         | 0.1097                     | 0.1121                      | 0.2218                                   | 37.9411                                                    | 50.6557                                                   |
| 6/23/2012        | 99.2786                         | 0.1896                         | 0.1453                     | 0.1026                      | 0.2479                                   | 37.9606                                                    | 50.6818                                                   |
| 6/24/2012        | 99.2691                         | 0.1974                         | 0.1478                     | 0.1020                      | 0.2498                                   | 37.9613                                                    | 50.6827                                                   |
| 6/25/2012        | 99.2757                         | 0.1950                         | 0.1461                     | 0.1031                      | 0.2492                                   | 37.9582                                                    | 50.6785                                                   |
| 6/26/2012        | 99.2783                         | 0.1944                         | 0.1456                     | 0.1027                      | 0.2483                                   | 37.9572                                                    | 50.6773                                                   |
| 6/27/2012        | 99.2727                         | 0.1949                         | 0.1458                     | 0.1029                      | 0.2487                                   | 37.9601                                                    | 50.6810                                                   |
| 6/28/2012        | 99.2954                         | 0.1821                         | 0.1374                     | 0.1048                      | 0.2422                                   | 37.9559                                                    | 50.6754                                                   |
| 6/29/2012        | 99.2585                         | 0.2000                         | 0.1547                     | 0.1065                      | 0.2612                                   | 37.9583                                                    | 50.6787                                                   |
| 6/30/2012        | 99.2246                         | 0.2219                         | 0.1672                     | 0.1027                      | 0.2699                                   | 37.9655                                                    | 50.6431                                                   |
| <b>Promedios</b> | <b>99.2958</b>                  | <b>0.1828</b>                  | <b>0.1412</b>              | <b>0.1028</b>               | <b>0.2440</b>                            | <b>37.9554</b>                                             | <b>50.6733</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 99.3740 | 0.2219 | 0.1672 | 0.1121 | 0.2699 | 37.9672                   | 50.6905           |
| <b>Mínimo</b>         | 99.2246 | 0.1355 | 0.1097 | 0.0969 | 0.2218 | 37.9411                   | 50.6431           |
| <b>Desv. Estándar</b> | 0.0339  | 0.0197 | 0.0118 | 0.0034 | 0.0100 | 0.0062                    | 0.0097            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Cauchy**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 99.4365                         | 0.1859                         | 0.0000                     | 0.0901                      | 0.0901                                   | 38.0249                                                    | 50.7811                                                   |
| 6/2/2012         | 99.4359                         | 0.1860                         | 0.0000                     | 0.0902                      | 0.0902                                   | 38.0252                                                    | 50.7816                                                   |
| 6/3/2012         | 99.4355                         | 0.1860                         | 0.0000                     | 0.0902                      | 0.0902                                   | 38.0257                                                    | 50.7822                                                   |
| 6/4/2012         | 99.3992                         | 0.1965                         | 0.0000                     | 0.0870                      | 0.0870                                   | 38.0546                                                    | 50.7982                                                   |
| 6/5/2012         | 99.4033                         | 0.1954                         | 0.0000                     | 0.0873                      | 0.0873                                   | 38.0514                                                    | 50.7984                                                   |
| 6/6/2012         | 99.4371                         | 0.1854                         | 0.0000                     | 0.0901                      | 0.0901                                   | 38.0247                                                    | 50.7809                                                   |
| 6/7/2012         | 99.4366                         | 0.1857                         | 0.0000                     | 0.0901                      | 0.0901                                   | 38.0249                                                    | 50.7811                                                   |
| 6/8/2012         | 99.4368                         | 0.1857                         | 0.0000                     | 0.0903                      | 0.0903                                   | 38.0244                                                    | 50.7805                                                   |
| 6/9/2012         | 99.4372                         | 0.1855                         | 0.0000                     | 0.0902                      | 0.0902                                   | 38.0244                                                    | 50.7805                                                   |
| 6/10/2012        | 99.4374                         | 0.1855                         | 0.0000                     | 0.0902                      | 0.0902                                   | 38.0242                                                    | 50.7802                                                   |
| 6/11/2012        | 99.4371                         | 0.1857                         | 0.0000                     | 0.0903                      | 0.0903                                   | 38.0242                                                    | 50.7802                                                   |
| 6/12/2012        | 99.4370                         | 0.1857                         | 0.0000                     | 0.0904                      | 0.0904                                   | 38.0241                                                    | 50.7801                                                   |
| 6/13/2012        | 99.4364                         | 0.1857                         | 0.0000                     | 0.0904                      | 0.0904                                   | 38.0247                                                    | 50.7809                                                   |
| 6/14/2012        | 99.4370                         | 0.1856                         | 0.0000                     | 0.0903                      | 0.0903                                   | 38.0244                                                    | 50.7805                                                   |
| 6/15/2012        | 99.4365                         | 0.1858                         | 0.0000                     | 0.0905                      | 0.0905                                   | 38.0244                                                    | 50.7805                                                   |
| 6/16/2012        | 99.4368                         | 0.1858                         | 0.0000                     | 0.0904                      | 0.0904                                   | 38.0243                                                    | 50.7803                                                   |
| 6/17/2012        | 99.4369                         | 0.1857                         | 0.0000                     | 0.0903                      | 0.0903                                   | 38.0244                                                    | 50.7805                                                   |
| 6/18/2012        | 99.4308                         | 0.1868                         | 0.0000                     | 0.0908                      | 0.0908                                   | 38.0281                                                    | 50.7809                                                   |
| 6/19/2012        | 99.4244                         | 0.1883                         | 0.0000                     | 0.0918                      | 0.0918                                   | 38.0312                                                    | 50.7806                                                   |
| 6/20/2012        | 99.4242                         | 0.1883                         | 0.0000                     | 0.0918                      | 0.0918                                   | 38.0314                                                    | 50.7809                                                   |
| 6/21/2012        | 99.4243                         | 0.1884                         | 0.0000                     | 0.0918                      | 0.0918                                   | 38.0312                                                    | 50.7806                                                   |
| 6/22/2012        | 99.4299                         | 0.1874                         | 0.0000                     | 0.0913                      | 0.0913                                   | 38.0279                                                    | 50.7807                                                   |
| 6/23/2012        | 99.4382                         | 0.1854                         | 0.0000                     | 0.0902                      | 0.0902                                   | 38.0237                                                    | 50.7795                                                   |
| 6/24/2012        | 99.4381                         | 0.1853                         | 0.0000                     | 0.0903                      | 0.0903                                   | 38.0237                                                    | 50.7796                                                   |
| 6/25/2012        | 99.4378                         | 0.1854                         | 0.0000                     | 0.0903                      | 0.0903                                   | 38.0240                                                    | 50.7799                                                   |
| 6/26/2012        | 99.4374                         | 0.1855                         | 0.0000                     | 0.0904                      | 0.0904                                   | 38.0241                                                    | 50.7802                                                   |
| 6/27/2012        | 99.4358                         | 0.1844                         | 0.0000                     | 0.0946                      | 0.0946                                   | 38.0212                                                    | 50.7762                                                   |
| 6/28/2012        | 99.4376                         | 0.1854                         | 0.0000                     | 0.0891                      | 0.0891                                   | 38.0260                                                    | 50.7826                                                   |
| 6/29/2012        | 99.4394                         | 0.1846                         | 0.0000                     | 0.0889                      | 0.0889                                   | 38.0251                                                    | 50.7814                                                   |
| 6/30/2012        | 99.4363                         | 0.1857                         | 0.0000                     | 0.0891                      | 0.0891                                   | 38.0269                                                    | 50.7793                                                   |
| <b>Promedios</b> | <b>99.4329</b>                  | <b>0.1866</b>                  | <b>0.0000</b>              | <b>0.0903</b>               | <b>0.0903</b>                            | <b>38.0273</b>                                             | <b>50.7817</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 99.4394 | 0.1965 | 0.0000 | 0.0946 | 0.0946 | 38.0546                   | 50.7984           |
| <b>Mínimo</b>         | 99.3992 | 0.1844 | 0.0000 | 0.0870 | 0.0870 | 38.0212                   | 50.7762           |
| <b>Desv. Estándar</b> | 0.0096  | 0.0027 | 0.0000 | 0.0013 | 0.0013 | 0.0074                    | 0.0046            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad J. D. Covarrubias**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 85.0450                         | 7.2700                         | 7.1650                     | 0.0000                      | 7.1650                                   | 37.4378                                                    | 47.3432                                                   |
| 6/2/2012         | 84.8550                         | 7.6500                         | 6.4600                     | 0.0000                      | 6.4600                                   | 38.1288                                                    | 48.0478                                                   |
| 6/3/2012         | 84.2350                         | 8.1300                         | 6.8700                     | 0.0000                      | 6.8700                                   | 37.9329                                                    | 47.7637                                                   |
| 6/4/2012         | 84.8650                         | 7.8350                         | 6.8700                     | 0.0000                      | 6.8700                                   | 37.6469                                                    | 47.5898                                                   |
| 6/5/2012         | 85.0250                         | 7.5750                         | 7.0000                     | 0.0000                      | 7.0000                                   | 37.5086                                                    | 47.4529                                                   |
| 6/6/2012         | 83.9950                         | 7.9600                         | 7.4500                     | 0.0000                      | 7.4500                                   | 37.5695                                                    | 47.3097                                                   |
| 6/7/2012         | 84.0500                         | 7.3050                         | 8.2300                     | 0.0000                      | 8.2300                                   | 36.9692                                                    | 46.6296                                                   |
| 6/8/2012         | 83.7800                         | 7.4800                         | 8.3400                     | 0.0000                      | 8.3400                                   | 36.9631                                                    | 46.5825                                                   |
| 6/9/2012         | 84.2050                         | 7.6100                         | 7.8000                     | 0.0000                      | 7.8000                                   | 37.2037                                                    | 46.9453                                                   |
| 6/10/2012        | 83.6950                         | 7.2200                         | 8.6650                     | 0.0000                      | 8.6650                                   | 36.7851                                                    | 46.3439                                                   |
| 6/11/2012        | 84.3250                         | 7.2650                         | 8.0150                     | 0.0000                      | 8.0150                                   | 37.0305                                                    | 46.7527                                                   |
| 6/12/2012        | 85.2300                         | 6.9500                         | 7.4750                     | 0.0050                      | 7.4800                                   | 37.1178                                                    | 47.0189                                                   |
| 6/13/2012        | 85.2850                         | 7.0150                         | 7.3350                     | 0.0000                      | 7.3350                                   | 37.1938                                                    | 47.1250                                                   |
| 6/14/2012        | 85.3650                         | 6.3800                         | 7.9750                     | 0.0000                      | 7.9750                                   | 36.7214                                                    | 46.5764                                                   |
| 6/15/2012        | 84.3400                         | 6.7050                         | 8.5950                     | 0.0000                      | 8.5950                                   | 36.6332                                                    | 46.2761                                                   |
| 6/16/2012        | 84.4900                         | 7.0750                         | 8.1500                     | 0.0000                      | 8.1500                                   | 36.8635                                                    | 46.5954                                                   |
| 6/17/2012        | 83.8100                         | 7.4750                         | 8.4100                     | 0.0000                      | 8.4100                                   | 36.8828                                                    | 46.5049                                                   |
| 6/18/2012        | 83.9850                         | 7.3400                         | 8.3750                     | 0.0000                      | 8.3750                                   | 36.8536                                                    | 46.5004                                                   |
| 6/19/2012        | 83.3892                         | 7.5104                         | 8.7354                     | 0.0000                      | 8.7354                                   | 36.8096                                                    | 46.3318                                                   |
| 6/20/2012        | 83.9600                         | 7.3050                         | 8.3200                     | 0.0000                      | 8.3200                                   | 36.9352                                                    | 46.5730                                                   |
| 6/21/2012        | 84.1250                         | 7.2150                         | 8.3150                     | 0.0000                      | 8.3150                                   | 36.8748                                                    | 46.5373                                                   |
| 6/22/2012        | 83.6863                         | 7.3510                         | 8.6412                     | 0.0000                      | 8.6412                                   | 36.7731                                                    | 46.3457                                                   |
| 6/23/2012        | 84.3900                         | 6.9600                         | 8.3650                     | 0.0000                      | 8.3650                                   | 36.7426                                                    | 46.4351                                                   |
| 6/24/2012        | 82.9500                         | 8.0900                         | 8.5550                     | 0.0000                      | 8.5550                                   | 37.0674                                                    | 46.5632                                                   |
| 6/25/2012        | 83.1250                         | 7.6600                         | 8.8800                     | 0.0000                      | 8.8800                                   | 36.7833                                                    | 46.2589                                                   |
| 6/26/2012        | 83.2950                         | 8.6750                         | 7.6350                     | 0.0000                      | 7.6350                                   | 37.5719                                                    | 47.2375                                                   |
| 6/27/2012        | 84.5200                         | 7.7450                         | 7.1900                     | 0.0000                      | 7.1900                                   | 37.5771                                                    | 47.4183                                                   |
| 6/28/2012        | 83.6900                         | 7.9750                         | 7.9250                     | 0.0100                      | 7.9350                                   | 37.2660                                                    | 46.9282                                                   |
| 6/29/2012        | 83.8450                         | 8.2450                         | 7.3950                     | 0.0200                      | 7.4150                                   | 37.5856                                                    | 47.3293                                                   |
| 6/30/2012        | 83.0850                         | 9.0300                         | 7.4550                     | 0.0050                      | 7.4600                                   | 37.7540                                                    | 47.4175                                                   |
| <b>Promedios</b> | <b>84.1547</b>                  | <b>7.5334</b>                  | <b>7.8864</b>              | <b>0.0013</b>               | <b>7.8877</b>                            | <b>37.1728</b>                                             | <b>46.8911</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 85.3650 | 9.0300 | 8.8800 | 0.0200 | 8.8800 | 38.1288                   | 48.0478           |
| <b>Mínimo</b>         | 82.9500 | 6.3800 | 6.4600 | 0.0000 | 6.4600 | 36.6332                   | 46.2589           |
| <b>Desv. Estándar</b> | 0.6671  | 0.5556 | 0.6544 | 0.0041 | 0.6537 | 0.4034                    | 0.4957            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Pecosa Alta Presión**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 85.0450                         | 7.2700                         | 7.1650                     | 0.0000                      | 7.1650                                   | 37.4378                                                    | 47.3432                                                   |
| 6/2/2012         | 84.8550                         | 7.6500                         | 6.4600                     | 0.0000                      | 6.4600                                   | 38.1288                                                    | 48.0478                                                   |
| 6/3/2012         | 84.2350                         | 8.1300                         | 6.8700                     | 0.0000                      | 6.8700                                   | 37.9329                                                    | 47.7637                                                   |
| 6/4/2012         | 84.8650                         | 7.8350                         | 6.8700                     | 0.0000                      | 6.8700                                   | 37.6469                                                    | 47.5898                                                   |
| 6/5/2012         | 85.0250                         | 7.5750                         | 7.0000                     | 0.0000                      | 7.0000                                   | 37.5086                                                    | 47.4529                                                   |
| 6/6/2012         | 83.9950                         | 7.9600                         | 7.4500                     | 0.0000                      | 7.4500                                   | 37.5695                                                    | 47.3097                                                   |
| 6/7/2012         | 84.0500                         | 7.3050                         | 8.2300                     | 0.0000                      | 8.2300                                   | 36.9692                                                    | 46.6296                                                   |
| 6/8/2012         | 83.7800                         | 7.4800                         | 8.3400                     | 0.0000                      | 8.3400                                   | 36.9631                                                    | 46.5825                                                   |
| 6/9/2012         | 84.2050                         | 7.6100                         | 7.8000                     | 0.0000                      | 7.8000                                   | 37.2037                                                    | 46.9453                                                   |
| 6/10/2012        | 83.6950                         | 7.2200                         | 8.6650                     | 0.0000                      | 8.6650                                   | 36.7851                                                    | 46.3439                                                   |
| 6/11/2012        | 84.3250                         | 7.2650                         | 8.0150                     | 0.0000                      | 8.0150                                   | 37.0305                                                    | 46.7527                                                   |
| 6/12/2012        | 85.2300                         | 6.9500                         | 7.4750                     | 0.0050                      | 7.4800                                   | 37.1178                                                    | 47.0189                                                   |
| 6/13/2012        | 85.2850                         | 7.0150                         | 7.3350                     | 0.0000                      | 7.3350                                   | 37.1938                                                    | 47.1250                                                   |
| 6/14/2012        | 85.3650                         | 6.3800                         | 7.9750                     | 0.0000                      | 7.9750                                   | 36.7214                                                    | 46.5764                                                   |
| 6/15/2012        | 84.3400                         | 6.7050                         | 8.5950                     | 0.0000                      | 8.5950                                   | 36.6332                                                    | 46.2761                                                   |
| 6/16/2012        | 84.4900                         | 7.0750                         | 8.1500                     | 0.0000                      | 8.1500                                   | 36.8635                                                    | 46.5954                                                   |
| 6/17/2012        | 83.8100                         | 7.4750                         | 8.4100                     | 0.0000                      | 8.4100                                   | 36.8828                                                    | 46.5049                                                   |
| 6/18/2012        | 83.9850                         | 7.3400                         | 8.3750                     | 0.0000                      | 8.3750                                   | 36.8536                                                    | 46.5004                                                   |
| 6/19/2012        | 83.3892                         | 7.5104                         | 8.7354                     | 0.0000                      | 8.7354                                   | 36.8096                                                    | 46.3318                                                   |
| 6/20/2012        | 83.9600                         | 7.3050                         | 8.3200                     | 0.0000                      | 8.3200                                   | 36.9352                                                    | 46.5730                                                   |
| 6/21/2012        | 84.1250                         | 7.2150                         | 8.3150                     | 0.0000                      | 8.3150                                   | 36.8748                                                    | 46.5373                                                   |
| 6/22/2012        | 83.6863                         | 7.3510                         | 8.6412                     | 0.0000                      | 8.6412                                   | 36.7731                                                    | 46.3457                                                   |
| 6/23/2012        | 84.3900                         | 6.9600                         | 8.3650                     | 0.0000                      | 8.3650                                   | 36.7426                                                    | 46.4351                                                   |
| 6/24/2012        | 82.9500                         | 8.0900                         | 8.5550                     | 0.0000                      | 8.5550                                   | 37.0674                                                    | 46.5632                                                   |
| 6/25/2012        | 83.1250                         | 7.6600                         | 8.8800                     | 0.0000                      | 8.8800                                   | 36.7833                                                    | 46.2589                                                   |
| 6/26/2012        | 83.2950                         | 8.6750                         | 7.6350                     | 0.0000                      | 7.6350                                   | 37.5719                                                    | 47.2375                                                   |
| 6/27/2012        | 84.5200                         | 7.7450                         | 7.1900                     | 0.0000                      | 7.1900                                   | 37.5771                                                    | 47.4183                                                   |
| 6/28/2012        | 83.6900                         | 7.9750                         | 7.9250                     | 0.0100                      | 7.9350                                   | 37.2660                                                    | 46.9282                                                   |
| 6/29/2012        | 83.8450                         | 8.2450                         | 7.3950                     | 0.0200                      | 7.4150                                   | 37.5856                                                    | 47.3293                                                   |
| 6/30/2012        | 83.0850                         | 9.0300                         | 7.4550                     | 0.0050                      | 7.4600                                   | 37.7540                                                    | 47.4175                                                   |
| <b>Promedios</b> | <b>84.1547</b>                  | <b>7.5334</b>                  | <b>7.8864</b>              | <b>0.0013</b>               | <b>7.8877</b>                            | <b>37.1728</b>                                             | <b>46.8911</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 85.3650 | 9.0300 | 8.8800 | 0.0200 | 8.8800 | 38.1288                   | 48.0478           |
| <b>Mínimo</b>         | 82.9500 | 6.3800 | 6.4600 | 0.0000 | 6.4600 | 36.6332                   | 46.2589           |
| <b>Desv. Estándar</b> | 0.6671  | 0.5556 | 0.6544 | 0.0041 | 0.6537 | 0.4034                    | 0.4957            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Pecosa Baja Presión**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 85.0450                         | 7.2700                         | 7.1650                     | 0.0000                      | 7.1650                                   | 37.4378                                                    | 47.3432                                                   |
| 6/2/2012         | 84.8550                         | 7.6500                         | 6.4600                     | 0.0000                      | 6.4600                                   | 38.1288                                                    | 48.0478                                                   |
| 6/3/2012         | 84.2350                         | 8.1300                         | 6.8700                     | 0.0000                      | 6.8700                                   | 37.9329                                                    | 47.7637                                                   |
| 6/4/2012         | 84.8650                         | 7.8350                         | 6.8700                     | 0.0000                      | 6.8700                                   | 37.6469                                                    | 47.5898                                                   |
| 6/5/2012         | 85.0250                         | 7.5750                         | 7.0000                     | 0.0000                      | 7.0000                                   | 37.5086                                                    | 47.4529                                                   |
| 6/6/2012         | 83.9950                         | 7.9600                         | 7.4500                     | 0.0000                      | 7.4500                                   | 37.5695                                                    | 47.3097                                                   |
| 6/7/2012         | 84.0500                         | 7.3050                         | 8.2300                     | 0.0000                      | 8.2300                                   | 36.9692                                                    | 46.6296                                                   |
| 6/8/2012         | 83.7800                         | 7.4800                         | 8.3400                     | 0.0000                      | 8.3400                                   | 36.9631                                                    | 46.5825                                                   |
| 6/9/2012         | 84.2050                         | 7.6100                         | 7.8000                     | 0.0000                      | 7.8000                                   | 37.2037                                                    | 46.9453                                                   |
| 6/10/2012        | 83.6950                         | 7.2200                         | 8.6650                     | 0.0000                      | 8.6650                                   | 36.7851                                                    | 46.3439                                                   |
| 6/11/2012        | 84.3250                         | 7.2650                         | 8.0150                     | 0.0000                      | 8.0150                                   | 37.0305                                                    | 46.7527                                                   |
| 6/12/2012        | 85.2300                         | 6.9500                         | 7.4750                     | 0.0050                      | 7.4800                                   | 37.1178                                                    | 47.0189                                                   |
| 6/13/2012        | 85.2850                         | 7.0150                         | 7.3350                     | 0.0000                      | 7.3350                                   | 37.1938                                                    | 47.1250                                                   |
| 6/14/2012        | 85.3650                         | 6.3800                         | 7.9750                     | 0.0000                      | 7.9750                                   | 36.7214                                                    | 46.5764                                                   |
| 6/15/2012        | 84.3400                         | 6.7050                         | 8.5950                     | 0.0000                      | 8.5950                                   | 36.6332                                                    | 46.2761                                                   |
| 6/16/2012        | 84.4900                         | 7.0750                         | 8.1500                     | 0.0000                      | 8.1500                                   | 36.8635                                                    | 46.5954                                                   |
| 6/17/2012        | 83.8100                         | 7.4750                         | 8.4100                     | 0.0000                      | 8.4100                                   | 36.8828                                                    | 46.5049                                                   |
| 6/18/2012        | 83.9850                         | 7.3400                         | 8.3750                     | 0.0000                      | 8.3750                                   | 36.8536                                                    | 46.5004                                                   |
| 6/19/2012        | 83.3892                         | 7.5104                         | 8.7354                     | 0.0000                      | 8.7354                                   | 36.8096                                                    | 46.3318                                                   |
| 6/20/2012        | 83.9600                         | 7.3050                         | 8.3200                     | 0.0000                      | 8.3200                                   | 36.9352                                                    | 46.5730                                                   |
| 6/21/2012        | 84.1250                         | 7.2150                         | 8.3150                     | 0.0000                      | 8.3150                                   | 36.8748                                                    | 46.5373                                                   |
| 6/22/2012        | 83.6863                         | 7.3510                         | 8.6412                     | 0.0000                      | 8.6412                                   | 36.7731                                                    | 46.3457                                                   |
| 6/23/2012        | 84.3900                         | 6.9600                         | 8.3650                     | 0.0000                      | 8.3650                                   | 36.7426                                                    | 46.4351                                                   |
| 6/24/2012        | 82.9541                         | 8.0904                         | 8.5554                     | 0.0000                      | 8.5554                                   | 37.0617                                                    | 46.5595                                                   |
| 6/25/2012        | 83.1250                         | 7.6600                         | 8.8800                     | 0.0000                      | 8.8800                                   | 36.7833                                                    | 46.2589                                                   |
| 6/26/2012        | 83.2950                         | 8.6750                         | 7.6350                     | 0.0000                      | 7.6350                                   | 37.5719                                                    | 47.2375                                                   |
| 6/27/2012        | 84.5200                         | 7.7450                         | 7.1900                     | 0.0000                      | 7.1900                                   | 37.5771                                                    | 47.4183                                                   |
| 6/28/2012        | 83.6900                         | 7.9750                         | 7.9250                     | 0.0100                      | 7.9350                                   | 37.2660                                                    | 46.9282                                                   |
| 6/29/2012        | 83.8450                         | 8.2450                         | 7.3950                     | 0.0200                      | 7.4150                                   | 37.5856                                                    | 47.3293                                                   |
| 6/30/2012        | 83.0850                         | 9.0300                         | 7.4550                     | 0.0050                      | 7.4600                                   | 37.7540                                                    | 47.4175                                                   |
| <b>Promedios</b> | <b>84.1548</b>                  | <b>7.5334</b>                  | <b>7.8864</b>              | <b>0.0013</b>               | <b>7.8877</b>                            | <b>37.1726</b>                                             | <b>46.8910</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 85.3650 | 9.0300 | 8.8800 | 0.0200 | 8.8800 | 38.1288                   | 48.0478           |
| <b>Mínimo</b>         | 82.9541 | 6.3800 | 6.4600 | 0.0000 | 6.4600 | 36.6332                   | 46.2589           |
| <b>Desv. Estándar</b> | 0.6668  | 0.5556 | 0.6544 | 0.0041 | 0.6537 | 0.4034                    | 0.4958            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Caseta Gral. Pajaritos**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 92.6930                         | 2.3520                         | 4.8970                     | 0.0440                      | 4.9410                                   | 36.5727                                                    | 47.7340                                                   |
| 6/2/2012         | 92.4563                         | 2.4467                         | 5.0420                     | 0.0317                      | 5.0737                                   | 36.5547                                                    | 47.6686                                                   |
| 6/3/2012         | 91.8800                         | 2.6410                         | 5.4030                     | 0.0310                      | 5.4340                                   | 36.4850                                                    | 47.4719                                                   |
| 6/4/2012         | 92.2480                         | 2.3500                         | 5.3350                     | 0.0260                      | 5.3610                                   | 36.4279                                                    | 47.4694                                                   |
| 6/5/2012         | 92.1540                         | 2.4160                         | 5.3060                     | 0.0480                      | 5.3540                                   | 36.4729                                                    | 47.4949                                                   |
| 6/6/2012         | 92.0000                         | 2.9140                         | 5.0290                     | 0.0240                      | 5.0530                                   | 36.7041                                                    | 47.7697                                                   |
| 6/7/2012         | 91.7920                         | 2.6630                         | 5.4950                     | 0.0260                      | 5.5210                                   | 36.4474                                                    | 47.4130                                                   |
| 6/8/2012         | 91.7323                         | 2.6543                         | 5.5617                     | 0.0273                      | 5.5890                                   | 36.4195                                                    | 47.3666                                                   |
| 6/9/2012         | 91.8573                         | 2.5330                         | 5.5273                     | 0.0560                      | 5.5833                                   | 36.3884                                                    | 47.3437                                                   |
| 6/10/2012        | 91.8130                         | 2.7750                         | 5.3520                     | 0.0440                      | 5.3960                                   | 36.5218                                                    | 47.5076                                                   |
| 6/11/2012        | 91.6659                         | 2.6330                         | 5.6461                     | 0.0420                      | 5.6881                                   | 36.3696                                                    | 47.2908                                                   |
| 6/12/2012        | 91.2733                         | 2.5713                         | 6.0880                     | 0.0550                      | 6.1430                                   | 36.1800                                                    | 46.9790                                                   |
| 6/13/2012        | 92.1003                         | 2.5010                         | 5.3083                     | 0.0687                      | 5.3770                                   | 36.4546                                                    | 47.4693                                                   |
| 6/14/2012        | 92.2213                         | 2.2857                         | 5.3600                     | 0.0847                      | 5.4447                                   | 36.3832                                                    | 47.3932                                                   |
| 6/15/2012        | 92.1297                         | 2.1417                         | 5.6337                     | 0.0760                      | 5.7097                                   | 36.2257                                                    | 47.1859                                                   |
| 6/16/2012        | 91.4257                         | 2.3247                         | 6.1397                     | 0.0710                      | 6.2107                                   | 36.0997                                                    | 46.8975                                                   |
| 6/17/2012        | 91.0127                         | 2.6567                         | 6.2200                     | 0.0747                      | 6.2947                                   | 36.1603                                                    | 46.8989                                                   |
| 6/18/2012        | 91.4713                         | 2.2543                         | 6.1810                     | 0.0757                      | 6.2567                                   | 36.0503                                                    | 46.8466                                                   |
| 6/19/2012        | 90.9273                         | 2.6577                         | 6.3110                     | 0.0793                      | 6.3903                                   | 36.1181                                                    | 46.8316                                                   |
| 6/20/2012        | 91.1697                         | 2.7743                         | 5.9467                     | 0.0753                      | 6.0220                                   | 36.2955                                                    | 47.0966                                                   |
| 6/21/2012        | 91.8643                         | 2.5143                         | 5.5073                     | 0.0930                      | 5.6003                                   | 36.3737                                                    | 47.3192                                                   |
| 6/22/2012        | 91.6840                         | 2.3237                         | 5.8870                     | 0.0900                      | 5.9770                                   | 36.1742                                                    | 47.0378                                                   |
| 6/23/2012        | 91.5527                         | 2.2203                         | 6.0957                     | 0.0900                      | 6.1857                                   | 36.0809                                                    | 46.8922                                                   |
| 6/24/2012        | 91.8913                         | 3.1313                         | 4.8443                     | 0.0850                      | 4.9293                                   | 36.8170                                                    | 47.8774                                                   |
| 6/25/2012        | 91.7567                         | 2.4347                         | 5.6620                     | 0.1037                      | 5.7657                                   | 36.3011                                                    | 47.2022                                                   |
| 6/26/2012        | 91.0230                         | 2.7127                         | 6.0870                     | 0.1613                      | 6.2483                                   | 36.1823                                                    | 46.9129                                                   |
| 6/27/2012        | 91.5003                         | 2.6817                         | 5.7437                     | 0.0603                      | 5.8040                                   | 36.3402                                                    | 47.2195                                                   |
| 6/28/2012        | 92.2153                         | 2.4687                         | 5.2210                     | 0.0847                      | 5.3057                                   | 36.4659                                                    | 47.5031                                                   |
| 6/29/2012        | 90.5257                         | 4.2293                         | 4.8967                     | 0.0953                      | 4.9920                                   | 37.2225                                                    | 48.0923                                                   |
| 6/30/2012        | 90.3343                         | 4.3330                         | 4.9213                     | 0.0887                      | 5.0100                                   | 37.2902                                                    | 48.1268                                                   |
| <b>Promedios</b> | <b>91.6790</b>                  | <b>2.6532</b>                  | <b>5.5549</b>              | <b>0.0671</b>               | <b>5.6220</b>                            | <b>36.4193</b>                                             | <b>47.3437</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 92.6930 | 4.3330 | 6.3110 | 0.1613 | 6.3903 | 37.2902                   | 48.1268           |
| <b>Mínimo</b>         | 90.3343 | 2.1417 | 4.8443 | 0.0240 | 4.9293 | 36.0503                   | 46.8316           |
| <b>Desv. Estándar</b> | 0.5444  | 0.4921 | 0.4409 | 0.0301 | 0.4509 | 0.2919                    | 0.3560            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Pajaritos**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 92.5690                         | 2.4660                         | 4.8660                     | 0.0840                      | 4.9500                                   | 36.6077                                                    | 47.7422                                                   |
| 6/2/2012         | 92.4203                         | 2.3997                         | 5.0810                     | 0.0740                      | 5.1550                                   | 36.5116                                                    | 47.5979                                                   |
| 6/3/2012         | 91.8340                         | 2.7600                         | 5.2830                     | 0.0800                      | 5.3630                                   | 36.5444                                                    | 47.5274                                                   |
| 6/4/2012         | 91.3370                         | 2.3780                         | 5.8140                     | 0.0750                      | 5.8890                                   | 36.4423                                                    | 47.2429                                                   |
| 6/5/2012         | 91.6470                         | 2.7890                         | 5.4510                     | 0.0760                      | 5.5270                                   | 36.4920                                                    | 47.4265                                                   |
| 6/6/2012         | 91.7730                         | 3.0270                         | 5.0710                     | 0.0800                      | 5.1510                                   | 36.7082                                                    | 47.7175                                                   |
| 6/7/2012         | 91.7660                         | 2.7930                         | 5.3200                     | 0.0760                      | 5.3960                                   | 36.5433                                                    | 47.5136                                                   |
| 6/8/2012         | 91.2430                         | 2.9497                         | 5.6897                     | 0.0803                      | 5.7700                                   | 36.4421                                                    | 47.2919                                                   |
| 6/9/2012         | 91.4717                         | 2.7013                         | 5.6837                     | 0.0970                      | 5.7807                                   | 36.3729                                                    | 47.2413                                                   |
| 6/10/2012        | 91.4289                         | 2.8670                         | 5.5970                     | 0.0730                      | 5.6700                                   | 36.4537                                                    | 47.3430                                                   |
| 6/11/2012        | 91.5769                         | 2.9080                         | 5.4071                     | 0.0780                      | 5.4851                                   | 36.5338                                                    | 47.4693                                                   |
| 6/12/2012        | 91.8913                         | 3.1313                         | 4.8443                     | 0.0850                      | 4.9293                                   | 36.8170                                                    | 47.8774                                                   |
| 6/13/2012        | 91.2717                         | 2.7480                         | 5.8570                     | 0.0810                      | 5.9380                                   | 36.3244                                                    | 47.1486                                                   |
| 6/14/2012        | 92.1047                         | 2.6553                         | 5.0977                     | 0.0857                      | 5.1833                                   | 36.5912                                                    | 47.6315                                                   |
| 6/15/2012        | 92.0327                         | 2.3383                         | 5.5357                     | 0.0753                      | 5.6110                                   | 36.3181                                                    | 47.2846                                                   |
| 6/16/2012        | 90.4703                         | 3.4500                         | 5.9240                     | 0.0770                      | 6.0010                                   | 36.5200                                                    | 47.2429                                                   |
| 6/17/2012        | 91.0127                         | 2.6567                         | 6.2200                     | 0.0747                      | 6.2947                                   | 36.1603                                                    | 46.8989                                                   |
| 6/18/2012        | 91.4060                         | 2.4053                         | 6.0950                     | 0.0747                      | 6.1697                                   | 36.1267                                                    | 46.9306                                                   |
| 6/19/2012        | 91.1127                         | 2.9407                         | 5.8373                     | 0.0787                      | 5.9160                                   | 36.3807                                                    | 47.1929                                                   |
| 6/20/2012        | 91.1330                         | 2.9657                         | 5.7740                     | 0.0703                      | 5.8443                                   | 36.4298                                                    | 47.2551                                                   |
| 6/21/2012        | 91.2847                         | 0.0000                         | 5.6450                     | 0.0843                      | 5.7293                                   | 37.3010                                                    | 47.8313                                                   |
| 6/22/2012        | 91.0260                         | 2.6943                         | 6.1570                     | 0.0833                      | 6.2403                                   | 36.1934                                                    | 46.9402                                                   |
| 6/23/2012        | 90.8643                         | 3.0613                         | 5.9313                     | 0.0740                      | 6.0053                                   | 36.4029                                                    | 47.1699                                                   |
| 6/24/2012        | 88.7097                         | 5.4877                         | 5.4840                     | 0.0903                      | 5.5743                                   | 37.3429                                                    | 47.9196                                                   |
| 6/25/2012        | 91.8660                         | 2.4083                         | 5.6163                     | 0.0810                      | 5.6973                                   | 36.3112                                                    | 47.2424                                                   |
| 6/26/2012        | 90.1497                         | 3.9113                         | 5.8083                     | 0.0787                      | 5.8870                                   | 36.6786                                                    | 47.3875                                                   |
| 6/27/2012        | 92.0170                         | 2.4937                         | 5.4010                     | 0.0717                      | 5.4727                                   | 36.4136                                                    | 47.4027                                                   |
| 6/28/2012        | 92.3263                         | 2.4610                         | 5.1010                     | 0.0783                      | 5.1793                                   | 36.5245                                                    | 47.5944                                                   |
| 6/29/2012        | 90.4910                         | 4.3223                         | 4.8497                     | 0.1137                      | 4.9633                                   | 37.2408                                                    | 48.1114                                                   |
| 6/30/2012        | 88.5857                         | 6.0737                         | 4.8563                     | 0.1023                      | 4.9587                                   | 37.8284                                                    | 48.4674                                                   |
| <b>Promedios</b> | <b>91.2941</b>                  | <b>2.9415</b>                  | <b>5.5099</b>              | <b>0.0811</b>               | <b>5.5911</b>                            | <b>36.5852</b>                                             | <b>47.4548</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 92.5690 | 6.0737 | 6.2200 | 0.1137 | 6.2947 | 37.8284                   | 48.4674           |
| <b>Mínimo</b>         | 88.5857 | 0.0000 | 4.8443 | 0.0703 | 4.9293 | 36.1267                   | 46.8989           |
| <b>Desv. Estándar</b> | 0.9178  | 1.0292 | 0.4044 | 0.0093 | 0.4002 | 0.3787                    | 0.3530            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Ramones**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 94.6478                         | 3.8298                         | 0.2517                     | 1.0841                      | 1.3358                                   | 38.5000                                                    | 50.2353                                                   |
| 6/2/2012         | 94.6625                         | 3.7687                         | 0.2594                     | 1.1521                      | 1.4114                                   | 38.4335                                                    | 50.1468                                                   |
| 6/3/2012         | 94.8003                         | 3.6778                         | 0.2437                     | 1.1327                      | 1.3764                                   | 38.4148                                                    | 50.1566                                                   |
| 6/4/2012         | 94.8276                         | 3.6713                         | 0.2434                     | 1.1046                      | 1.3480                                   | 38.4297                                                    | 50.1846                                                   |
| 6/5/2012         | 94.8305                         | 3.6883                         | 0.2413                     | 1.0892                      | 1.3305                                   | 38.4405                                                    | 50.2024                                                   |
| 6/6/2012         | 94.7130                         | 3.7876                         | 0.2476                     | 1.0994                      | 1.3470                                   | 38.4619                                                    | 50.2048                                                   |
| 6/7/2012         | 94.7921                         | 3.6763                         | 0.2405                     | 1.0876                      | 1.3282                                   | 38.4714                                                    | 50.2213                                                   |
| 6/8/2012         | 94.9280                         | 3.5604                         | 0.2444                     | 1.0913                      | 1.3357                                   | 38.4141                                                    | 50.1843                                                   |
| 6/9/2012         | 94.7956                         | 3.6710                         | 0.2430                     | 1.1016                      | 1.3446                                   | 38.4518                                                    | 50.1994                                                   |
| 6/10/2012        | 94.8406                         | 3.5847                         | 0.2445                     | 1.1117                      | 1.3561                                   | 38.4447                                                    | 50.1875                                                   |
| 6/11/2012        | 94.7536                         | 3.6722                         | 0.2502                     | 1.0842                      | 1.3344                                   | 38.4971                                                    | 50.2338                                                   |
| 6/12/2012        | 94.6584                         | 3.7116                         | 0.2579                     | 1.1395                      | 1.3975                                   | 38.4788                                                    | 50.1818                                                   |
| 6/13/2012        | 94.5952                         | 3.8251                         | 0.2535                     | 1.1047                      | 1.3582                                   | 38.5163                                                    | 50.2292                                                   |
| 6/14/2012        | 94.7802                         | 3.7293                         | 0.2414                     | 1.0934                      | 1.3348                                   | 38.4512                                                    | 50.2056                                                   |
| 6/15/2012        | 94.8010                         | 3.6879                         | 0.2448                     | 1.0852                      | 1.3300                                   | 38.4626                                                    | 50.2161                                                   |
| 6/16/2012        | 94.9266                         | 3.5456                         | 0.2445                     | 1.0945                      | 1.3390                                   | 38.4185                                                    | 50.1845                                                   |
| 6/17/2012        | 95.0032                         | 3.4588                         | 0.2461                     | 1.0909                      | 1.3370                                   | 38.4039                                                    | 50.1777                                                   |
| 6/18/2012        | 95.0300                         | 3.4649                         | 0.2487                     | 1.0923                      | 1.3411                                   | 38.3790                                                    | 50.1615                                                   |
| 6/19/2012        | 95.0472                         | 3.4442                         | 0.2461                     | 1.1062                      | 1.3523                                   | 38.3631                                                    | 50.1440                                                   |
| 6/20/2012        | 94.7459                         | 3.6978                         | 0.2438                     | 1.0607                      | 1.3044                                   | 38.5225                                                    | 50.2675                                                   |
| 6/21/2012        | 94.6861                         | 3.7464                         | 0.2444                     | 1.1207                      | 1.3651                                   | 38.4804                                                    | 50.2019                                                   |
| 6/22/2012        | 94.7492                         | 3.7054                         | 0.2427                     | 1.0941                      | 1.3368                                   | 38.4785                                                    | 50.2200                                                   |
| 6/23/2012        | 94.9195                         | 3.5536                         | 0.2450                     | 1.0855                      | 1.3305                                   | 38.4276                                                    | 50.1957                                                   |
| 6/24/2012        | 94.8816                         | 3.5656                         | 0.2408                     | 1.0943                      | 1.3352                                   | 38.4431                                                    | 50.2003                                                   |
| 6/25/2012        | 94.7506                         | 3.6884                         | 0.2472                     | 1.0917                      | 1.3389                                   | 38.4812                                                    | 50.2211                                                   |
| 6/26/2012        | 94.8043                         | 3.6417                         | 0.2441                     | 1.0947                      | 1.3389                                   | 38.4602                                                    | 50.2084                                                   |
| 6/27/2012        | 94.7642                         | 3.6479                         | 0.2550                     | 1.0888                      | 1.3438                                   | 38.4843                                                    | 50.2212                                                   |
| 6/28/2012        | 94.8540                         | 3.6252                         | 0.2496                     | 1.0952                      | 1.3447                                   | 38.4286                                                    | 50.1874                                                   |
| 6/29/2012        | 94.9480                         | 3.5462                         | 0.2479                     | 1.1033                      | 1.3512                                   | 38.3883                                                    | 50.1597                                                   |
| 6/30/2012        | 94.8209                         | 3.5978                         | 0.2507                     | 1.1239                      | 1.3747                                   | 38.4298                                                    | 50.1678                                                   |
| <b>Promedios</b> | <b>94.8119</b>                  | <b>3.6490</b>                  | <b>0.2468</b>              | <b>1.0999</b>               | <b>1.3467</b>                            | <b>38.4486</b>                                             | <b>50.1969</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico | I. Wobbe |
|-----------------------|---------|--------|--------|--------|--------|------------------|----------|
| <b>Máximo</b>         | 95.0472 | 3.8298 | 0.2594 | 1.1521 | 1.4114 | 38.5225          | 50.2675  |
| <b>Mínimo</b>         | 94.5952 | 3.4442 | 0.2405 | 1.0607 | 1.3044 | 38.3631          | 50.1440  |
| <b>Desv. Estándar</b> | 0.1129  | 0.1008 | 0.0049 | 0.0185 | 0.0212 | 0.0390           | 0.0285   |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Escobedo de Alta**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 94.6478                         | 3.8298                         | 0.2517                     | 1.0841                      | 1.3358                                   | 38.5000                                                    | 50.2353                                                   |
| 6/2/2012         | 94.6625                         | 3.7687                         | 0.2594                     | 1.1521                      | 1.4114                                   | 38.4335                                                    | 50.1468                                                   |
| 6/3/2012         | 94.8003                         | 3.6778                         | 0.2437                     | 1.1327                      | 1.3764                                   | 38.4148                                                    | 50.1566                                                   |
| 6/4/2012         | 94.8276                         | 3.6713                         | 0.2434                     | 1.1046                      | 1.3480                                   | 38.4297                                                    | 50.1846                                                   |
| 6/5/2012         | 94.8305                         | 3.6883                         | 0.2413                     | 1.0892                      | 1.3305                                   | 38.4405                                                    | 50.2024                                                   |
| 6/6/2012         | 94.7130                         | 3.7876                         | 0.2476                     | 1.0994                      | 1.3470                                   | 38.4619                                                    | 50.2048                                                   |
| 6/7/2012         | 94.7921                         | 3.6763                         | 0.2405                     | 1.0876                      | 1.3282                                   | 38.4714                                                    | 50.2213                                                   |
| 6/8/2012         | 94.9280                         | 3.5604                         | 0.2444                     | 1.0913                      | 1.3357                                   | 38.4141                                                    | 50.1843                                                   |
| 6/9/2012         | 94.7956                         | 3.6710                         | 0.2430                     | 1.1016                      | 1.3446                                   | 38.4518                                                    | 50.1994                                                   |
| 6/10/2012        | 94.8406                         | 3.5847                         | 0.2445                     | 1.1117                      | 1.3561                                   | 38.4447                                                    | 50.1875                                                   |
| 6/11/2012        | 94.7536                         | 3.6722                         | 0.2502                     | 1.0842                      | 1.3344                                   | 38.4971                                                    | 50.2338                                                   |
| 6/12/2012        | 94.6584                         | 3.7116                         | 0.2579                     | 1.1395                      | 1.3975                                   | 38.4788                                                    | 50.1818                                                   |
| 6/13/2012        | 94.5952                         | 3.8251                         | 0.2535                     | 1.1047                      | 1.3582                                   | 38.5163                                                    | 50.2292                                                   |
| 6/14/2012        | 94.7802                         | 3.7293                         | 0.2414                     | 1.0934                      | 1.3348                                   | 38.4512                                                    | 50.2056                                                   |
| 6/15/2012        | 94.8010                         | 3.6879                         | 0.2448                     | 1.0852                      | 1.3300                                   | 38.4626                                                    | 50.2161                                                   |
| 6/16/2012        | 94.9266                         | 3.5456                         | 0.2445                     | 1.0945                      | 1.3390                                   | 38.4185                                                    | 50.1845                                                   |
| 6/17/2012        | 95.0032                         | 3.4588                         | 0.2461                     | 1.0909                      | 1.3370                                   | 38.4039                                                    | 50.1777                                                   |
| 6/18/2012        | 95.0300                         | 3.4649                         | 0.2487                     | 1.0923                      | 1.3411                                   | 38.3790                                                    | 50.1615                                                   |
| 6/19/2012        | 95.0472                         | 3.4442                         | 0.2461                     | 1.1062                      | 1.3523                                   | 38.3631                                                    | 50.1440                                                   |
| 6/20/2012        | 94.7459                         | 3.6978                         | 0.2438                     | 1.0607                      | 1.3044                                   | 38.5225                                                    | 50.2675                                                   |
| 6/21/2012        | 94.6861                         | 3.7464                         | 0.2444                     | 1.1207                      | 1.3651                                   | 38.4804                                                    | 50.2019                                                   |
| 6/22/2012        | 94.7492                         | 3.7054                         | 0.2427                     | 1.0941                      | 1.3368                                   | 38.4785                                                    | 50.2200                                                   |
| 6/23/2012        | 94.9195                         | 3.5536                         | 0.2450                     | 1.0855                      | 1.3305                                   | 38.4276                                                    | 50.1957                                                   |
| 6/24/2012        | 94.8816                         | 3.5656                         | 0.2408                     | 1.0943                      | 1.3352                                   | 38.4431                                                    | 50.2003                                                   |
| 6/25/2012        | 94.7506                         | 3.6884                         | 0.2472                     | 1.0917                      | 1.3389                                   | 38.4812                                                    | 50.2211                                                   |
| 6/26/2012        | 94.8043                         | 3.6417                         | 0.2441                     | 1.0947                      | 1.3389                                   | 38.4602                                                    | 50.2084                                                   |
| 6/27/2012        | 94.7642                         | 3.6479                         | 0.2550                     | 1.0888                      | 1.3438                                   | 38.4843                                                    | 50.2212                                                   |
| 6/28/2012        | 94.8540                         | 3.6252                         | 0.2496                     | 1.0952                      | 1.3447                                   | 38.4286                                                    | 50.1874                                                   |
| 6/29/2012        | 94.9480                         | 3.5462                         | 0.2479                     | 1.1033                      | 1.3512                                   | 38.3883                                                    | 50.1597                                                   |
| 6/30/2012        | 94.8209                         | 3.5978                         | 0.2507                     | 1.1239                      | 1.3747                                   | 38.4298                                                    | 50.1678                                                   |
| <b>Promedios</b> | <b>94.8119</b>                  | <b>3.6490</b>                  | <b>0.2468</b>              | <b>1.0999</b>               | <b>1.3467</b>                            | <b>38.4486</b>                                             | <b>50.1969</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 95.0472 | 3.8298 | 0.2594 | 1.1521 | 1.4114 | 38.5225                   | 50.2675           |
| <b>Mínimo</b>         | 94.5952 | 3.4442 | 0.2405 | 1.0607 | 1.3044 | 38.3631                   | 50.1440           |
| <b>Desv. Estándar</b> | 0.1129  | 0.1008 | 0.0049 | 0.0185 | 0.0212 | 0.0390                    | 0.0285            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Escobedo de Baja**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 95.1429                         | 2.3888                         | 0.1542                     | 1.6710                      | 1.8252                                   | 38.3004                                                    | 49.7589                                                   |
| 6/2/2012         | 94.9368                         | 2.2591                         | 0.1388                     | 1.9652                      | 2.1040                                   | 38.2096                                                    | 49.5140                                                   |
| 6/3/2012         | 95.0825                         | 2.0434                         | 0.1283                     | 2.0640                      | 2.1923                                   | 38.1001                                                    | 49.3884                                                   |
| 6/4/2012         | 95.1727                         | 2.3361                         | 0.1460                     | 1.7357                      | 1.8817                                   | 38.2413                                                    | 49.6846                                                   |
| 6/5/2012         | 95.0991                         | 2.4379                         | 0.1464                     | 1.7201                      | 1.8665                                   | 38.2638                                                    | 49.7081                                                   |
| 6/6/2012         | 95.0442                         | 2.4875                         | 0.1522                     | 1.7078                      | 1.8600                                   | 38.2905                                                    | 49.7318                                                   |
| 6/7/2012         | 95.0278                         | 2.3917                         | 0.1424                     | 1.7511                      | 1.8934                                   | 38.3250                                                    | 49.7239                                                   |
| 6/8/2012         | 95.1835                         | 2.2788                         | 0.1392                     | 1.7391                      | 1.8783                                   | 38.2794                                                    | 49.7070                                                   |
| 6/9/2012         | 95.1910                         | 2.1099                         | 0.1250                     | 1.8386                      | 1.9637                                   | 38.2613                                                    | 49.6350                                                   |
| 6/10/2012        | 95.2008                         | 2.0242                         | 0.1178                     | 1.8703                      | 1.9881                                   | 38.2709                                                    | 49.6221                                                   |
| 6/11/2012        | 95.0528                         | 2.2875                         | 0.1314                     | 1.8092                      | 1.9406                                   | 38.3064                                                    | 49.6785                                                   |
| 6/12/2012        | 95.1042                         | 2.3409                         | 0.1456                     | 1.7664                      | 1.9120                                   | 38.2669                                                    | 49.6786                                                   |
| 6/13/2012        | 95.0855                         | 2.4238                         | 0.1471                     | 1.7296                      | 1.8767                                   | 38.2770                                                    | 49.7103                                                   |
| 6/14/2012        | 95.1299                         | 2.3857                         | 0.1387                     | 1.7398                      | 1.8785                                   | 38.2597                                                    | 49.6957                                                   |
| 6/15/2012        | 95.1440                         | 2.2878                         | 0.1325                     | 1.7923                      | 1.9248                                   | 38.2466                                                    | 49.6551                                                   |
| 6/16/2012        | 95.2942                         | 2.0283                         | 0.1165                     | 1.8692                      | 1.9857                                   | 38.1876                                                    | 49.5755                                                   |
| 6/17/2012        | 95.3661                         | 1.8913                         | 0.1110                     | 1.9203                      | 2.0313                                   | 38.1460                                                    | 49.5190                                                   |
| 6/18/2012        | 95.3453                         | 1.9913                         | 0.1188                     | 1.8528                      | 1.9716                                   | 38.1812                                                    | 49.5818                                                   |
| 6/19/2012        | 95.4339                         | 2.0032                         | 0.1254                     | 1.7770                      | 1.9024                                   | 38.1812                                                    | 49.6303                                                   |
| 6/20/2012        | 94.9589                         | 2.3293                         | 0.1289                     | 1.8592                      | 1.9881                                   | 38.2919                                                    | 49.6376                                                   |
| 6/21/2012        | 95.0460                         | 2.3665                         | 0.1389                     | 1.7957                      | 1.9346                                   | 38.2636                                                    | 49.6599                                                   |
| 6/22/2012        | 95.1528                         | 2.1673                         | 0.1227                     | 1.8526                      | 1.9753                                   | 38.2317                                                    | 49.6098                                                   |
| 6/23/2012        | 95.1289                         | 2.1273                         | 0.1240                     | 1.8683                      | 1.9924                                   | 38.2487                                                    | 49.6082                                                   |
| 6/24/2012        | 95.0619                         | 2.5967                         | 0.1597                     | 1.6333                      | 1.7930                                   | 38.2868                                                    | 49.7749                                                   |
| 6/25/2012        | 95.2773                         | 1.9746                         | 0.1148                     | 1.9210                      | 2.0358                                   | 38.1625                                                    | 49.5267                                                   |
| 6/26/2012        | 95.3013                         | 1.9923                         | 0.1185                     | 1.8913                      | 2.0098                                   | 38.1633                                                    | 49.5456                                                   |
| 6/27/2012        | 95.1295                         | 2.3761                         | 0.1522                     | 1.6942                      | 1.8464                                   | 38.2886                                                    | 49.7373                                                   |
| 6/28/2012        | 95.2791                         | 2.3327                         | 0.1489                     | 1.7065                      | 1.8554                                   | 38.1881                                                    | 49.6746                                                   |
| 6/29/2012        | 95.4800                         | 1.9732                         | 0.1287                     | 1.8459                      | 1.9746                                   | 38.0745                                                    | 49.5205                                                   |
| 6/30/2012        | 95.5837                         | 1.7265                         | 0.1067                     | 1.9511                      | 2.0578                                   | 38.0214                                                    | 49.4278                                                   |
| <b>Promedios</b> | <b>95.1812</b>                  | <b>2.2120</b>                  | <b>0.1334</b>              | <b>1.8113</b>               | <b>1.9447</b>                            | <b>38.2272</b>                                             | <b>49.6307</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 95.5837 | 2.5967 | 0.1597 | 2.0640 | 2.1923 | 38.3250                   | 49.7749           |
| <b>Mínimo</b>         | 94.9368 | 1.7265 | 0.1067 | 1.6333 | 1.7930 | 38.0214                   | 49.3884           |
| <b>Desv. Estándar</b> | 0.1516  | 0.2078 | 0.0142 | 0.0983 | 0.0874 | 0.0733                    | 0.0953            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad CFE CCC Huinala**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 95.1454                         | 2.0904                         | 0.1382                     | 1.8631                      | 2.0013                                   | 38.2523                                                    | 49.6074                                                   |
| 6/2/2012         | 94.8560                         | 2.1745                         | 0.1332                     | 2.0944                      | 2.2276                                   | 38.1809                                                    | 49.4128                                                   |
| 6/3/2012         | 95.0897                         | 2.0656                         | 0.1284                     | 2.0258                      | 2.1542                                   | 38.1337                                                    | 49.4335                                                   |
| 6/4/2012         | 95.1491                         | 2.1683                         | 0.1341                     | 1.8574                      | 1.9916                                   | 38.2222                                                    | 49.5959                                                   |
| 6/5/2012         | 95.0884                         | 2.1857                         | 0.1280                     | 1.8972                      | 2.0252                                   | 38.2258                                                    | 49.5738                                                   |
| 6/6/2012         | 95.0318                         | 2.1621                         | 0.1303                     | 1.9033                      | 2.0335                                   | 38.2755                                                    | 49.5973                                                   |
| 6/7/2012         | 95.0929                         | 2.0718                         | 0.1233                     | 1.9097                      | 2.0329                                   | 38.2901                                                    | 49.6043                                                   |
| 6/8/2012         | 95.1812                         | 2.0220                         | 0.1181                     | 1.9166                      | 2.0347                                   | 38.2485                                                    | 49.5777                                                   |
| 6/9/2012         | 95.1763                         | 2.0415                         | 0.1201                     | 1.8837                      | 2.0037                                   | 38.2732                                                    | 49.6134                                                   |
| 6/10/2012        | 95.0028                         | 2.1508                         | 0.1171                     | 1.9202                      | 2.0373                                   | 38.3152                                                    | 49.6145                                                   |
| 6/11/2012        | 95.0363                         | 2.1652                         | 0.1227                     | 1.9103                      | 2.0330                                   | 38.2845                                                    | 49.6011                                                   |
| 6/12/2012        | 95.0330                         | 2.1674                         | 0.1229                     | 1.9403                      | 2.0631                                   | 38.2486                                                    | 49.5601                                                   |
| 6/13/2012        | 95.1350                         | 2.1072                         | 0.1214                     | 1.9231                      | 2.0446                                   | 38.2178                                                    | 49.5544                                                   |
| 6/14/2012        | 95.0881                         | 2.0936                         | 0.1128                     | 1.9662                      | 2.0790                                   | 38.2200                                                    | 49.5305                                                   |
| 6/15/2012        | 95.0607                         | 2.0855                         | 0.1098                     | 1.9957                      | 2.1054                                   | 38.2146                                                    | 49.5088                                                   |
| 6/16/2012        | 95.1300                         | 2.0930                         | 0.1112                     | 1.9408                      | 2.0520                                   | 38.2160                                                    | 49.5460                                                   |
| 6/17/2012        | 95.1557                         | 2.0697                         | 0.1111                     | 1.9433                      | 2.0545                                   | 38.2015                                                    | 49.5359                                                   |
| 6/18/2012        | 95.1643                         | 2.0491                         | 0.1092                     | 1.9397                      | 2.0490                                   | 38.2129                                                    | 49.5457                                                   |
| 6/19/2012        | 95.2024                         | 2.0983                         | 0.1184                     | 1.8498                      | 1.9682                                   | 38.2470                                                    | 49.6222                                                   |
| 6/20/2012        | 94.7701                         | 2.3525                         | 0.1184                     | 1.9781                      | 2.0965                                   | 38.3126                                                    | 49.5740                                                   |
| 6/21/2012        | 94.8362                         | 2.3280                         | 0.1210                     | 1.9676                      | 2.0886                                   | 38.2759                                                    | 49.5587                                                   |
| 6/22/2012        | 95.0646                         | 2.1102                         | 0.1126                     | 1.9440                      | 2.0567                                   | 38.2436                                                    | 49.5592                                                   |
| 6/23/2012        | 94.9751                         | 2.1565                         | 0.1155                     | 1.9613                      | 2.0768                                   | 38.2670                                                    | 49.5599                                                   |
| 6/24/2012        | 95.1525                         | 2.0219                         | 0.1086                     | 1.9760                      | 2.0846                                   | 38.1891                                                    | 49.5077                                                   |
| 6/25/2012        | 95.1282                         | 2.0289                         | 0.1095                     | 1.9845                      | 2.0939                                   | 38.1940                                                    | 49.5045                                                   |
| 6/26/2012        | 95.1157                         | 2.0486                         | 0.1096                     | 1.9753                      | 2.0849                                   | 38.2026                                                    | 49.5156                                                   |
| 6/27/2012        | 95.0112                         | 2.1732                         | 0.1209                     | 1.9103                      | 2.0311                                   | 38.2862                                                    | 49.6030                                                   |
| 6/28/2012        | 95.2743                         | 2.0261                         | 0.1204                     | 1.9320                      | 2.0525                                   | 38.1329                                                    | 49.4997                                                   |
| 6/29/2012        | 95.3715                         | 1.9701                         | 0.1164                     | 1.9290                      | 2.0455                                   | 38.0875                                                    | 49.4771                                                   |
| 6/30/2012        | 95.3356                         | 1.9240                         | 0.1114                     | 1.9880                      | 2.0994                                   | 38.0751                                                    | 49.4322                                                   |
| <b>Promedios</b> | <b>95.0951</b>                  | <b>2.1067</b>                  | <b>0.1191</b>              | <b>1.9409</b>               | <b>2.0600</b>                            | <b>38.2249</b>                                             | <b>49.5476</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico | I. Wobbe |
|-----------------------|---------|--------|--------|--------|--------|------------------|----------|
| <b>Máximo</b>         | 95.3715 | 2.3525 | 0.1382 | 2.0944 | 2.2276 | 38.3152          | 49.6222  |
| <b>Mínimo</b>         | 94.7701 | 1.9240 | 0.1086 | 1.8498 | 1.9682 | 38.0751          | 49.4128  |
| <b>Desv. Estándar</b> | 0.1296  | 0.0907 | 0.0081 | 0.0511 | 0.0497 | 0.0596           | 0.0566   |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Apodaca**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 95.1429                         | 2.3888                         | 0.1542                     | 1.6710                      | 1.8252                                   | 38.3004                                                    | 49.7589                                                   |
| 6/2/2012         | 94.9368                         | 2.2591                         | 0.1388                     | 1.9652                      | 2.1040                                   | 38.2096                                                    | 49.5140                                                   |
| 6/3/2012         | 95.0825                         | 2.0434                         | 0.1283                     | 2.0640                      | 2.1923                                   | 38.1001                                                    | 49.3884                                                   |
| 6/4/2012         | 95.1727                         | 2.3361                         | 0.1460                     | 1.7357                      | 1.8817                                   | 38.2413                                                    | 49.6846                                                   |
| 6/5/2012         | 95.0991                         | 2.4379                         | 0.1464                     | 1.7201                      | 1.8665                                   | 38.2638                                                    | 49.7081                                                   |
| 6/6/2012         | 95.0442                         | 2.4875                         | 0.1522                     | 1.7078                      | 1.8600                                   | 38.2905                                                    | 49.7318                                                   |
| 6/7/2012         | 95.0278                         | 2.3917                         | 0.1424                     | 1.7511                      | 1.8934                                   | 38.3250                                                    | 49.7239                                                   |
| 6/8/2012         | 95.1835                         | 2.2788                         | 0.1392                     | 1.7391                      | 1.8783                                   | 38.2794                                                    | 49.7070                                                   |
| 6/9/2012         | 95.1910                         | 2.1099                         | 0.1250                     | 1.8386                      | 1.9637                                   | 38.2613                                                    | 49.6350                                                   |
| 6/10/2012        | 95.2008                         | 2.0242                         | 0.1178                     | 1.8703                      | 1.9881                                   | 38.2709                                                    | 49.6221                                                   |
| 6/11/2012        | 95.0528                         | 2.2875                         | 0.1314                     | 1.8092                      | 1.9406                                   | 38.3064                                                    | 49.6785                                                   |
| 6/12/2012        | 95.1042                         | 2.3409                         | 0.1456                     | 1.7664                      | 1.9120                                   | 38.2669                                                    | 49.6786                                                   |
| 6/13/2012        | 95.0855                         | 2.4238                         | 0.1471                     | 1.7296                      | 1.8767                                   | 38.2770                                                    | 49.7103                                                   |
| 6/14/2012        | 95.1299                         | 2.3857                         | 0.1387                     | 1.7398                      | 1.8785                                   | 38.2597                                                    | 49.6957                                                   |
| 6/15/2012        | 95.1440                         | 2.2878                         | 0.1325                     | 1.7923                      | 1.9248                                   | 38.2466                                                    | 49.6551                                                   |
| 6/16/2012        | 95.2942                         | 2.0283                         | 0.1165                     | 1.8692                      | 1.9857                                   | 38.1876                                                    | 49.5755                                                   |
| 6/17/2012        | 95.3661                         | 1.8913                         | 0.1110                     | 1.9203                      | 2.0313                                   | 38.1460                                                    | 49.5190                                                   |
| 6/18/2012        | 95.3453                         | 1.9913                         | 0.1188                     | 1.8528                      | 1.9716                                   | 38.1812                                                    | 49.5818                                                   |
| 6/19/2012        | 95.4339                         | 2.0032                         | 0.1254                     | 1.7770                      | 1.9024                                   | 38.1812                                                    | 49.6303                                                   |
| 6/20/2012        | 94.9589                         | 2.3293                         | 0.1289                     | 1.8592                      | 1.9881                                   | 38.2919                                                    | 49.6376                                                   |
| 6/21/2012        | 95.0460                         | 2.3665                         | 0.1389                     | 1.7957                      | 1.9346                                   | 38.2636                                                    | 49.6599                                                   |
| 6/22/2012        | 95.1528                         | 2.1673                         | 0.1227                     | 1.8526                      | 1.9753                                   | 38.2317                                                    | 49.6098                                                   |
| 6/23/2012        | 95.1289                         | 2.1273                         | 0.1240                     | 1.8683                      | 1.9924                                   | 38.2487                                                    | 49.6082                                                   |
| 6/24/2012        | 95.0619                         | 2.5967                         | 0.1597                     | 1.6333                      | 1.7930                                   | 38.2868                                                    | 49.7749                                                   |
| 6/25/2012        | 95.2773                         | 1.9746                         | 0.1148                     | 1.9210                      | 2.0358                                   | 38.1625                                                    | 49.5267                                                   |
| 6/26/2012        | 95.3013                         | 1.9923                         | 0.1185                     | 1.8913                      | 2.0098                                   | 38.1633                                                    | 49.5456                                                   |
| 6/27/2012        | 95.1295                         | 2.3761                         | 0.1522                     | 1.6942                      | 1.8464                                   | 38.2886                                                    | 49.7373                                                   |
| 6/28/2012        | 95.2791                         | 2.3327                         | 0.1489                     | 1.7065                      | 1.8554                                   | 38.1881                                                    | 49.6746                                                   |
| 6/29/2012        | 95.4800                         | 1.9732                         | 0.1287                     | 1.8459                      | 1.9746                                   | 38.0745                                                    | 49.5205                                                   |
| 6/30/2012        | 95.5837                         | 1.7265                         | 0.1067                     | 1.9511                      | 2.0578                                   | 38.0214                                                    | 49.4278                                                   |
| <b>Promedios</b> | <b>95.1812</b>                  | <b>2.2120</b>                  | <b>0.1334</b>              | <b>1.8113</b>               | <b>1.9447</b>                            | <b>38.2272</b>                                             | <b>49.6307</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico | I. Wobbe |
|-----------------------|---------|--------|--------|--------|--------|------------------|----------|
| <b>Máximo</b>         | 95.5837 | 2.5967 | 0.1597 | 2.0640 | 2.1923 | 38.3250          | 49.7749  |
| <b>Mínimo</b>         | 94.9368 | 1.7265 | 0.1067 | 1.6333 | 1.7930 | 38.0214          | 49.3884  |
| <b>Desv. Estándar</b> | 0.1516  | 0.2078 | 0.0142 | 0.0983 | 0.0874 | 0.0733           | 0.0953   |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Red Monclova**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 97.5939                         | 0.9238                         | 1.1712                     | 0.2724                      | 1.4436                                   | 37.5308                                                    | 49.8214                                                   |
| 6/2/2012         | 97.7247                         | 0.7976                         | 1.2010                     | 0.2392                      | 1.4402                                   | 37.4941                                                    | 49.8109                                                   |
| 6/3/2012         | 97.8078                         | 0.7185                         | 1.2264                     | 0.2170                      | 1.4434                                   | 37.4633                                                    | 49.7964                                                   |
| 6/4/2012         | 97.5692                         | 0.9670                         | 1.1497                     | 0.2788                      | 1.4284                                   | 37.5451                                                    | 49.8347                                                   |
| 6/5/2012         | 97.4962                         | 1.0698                         | 1.0810                     | 0.3159                      | 1.3969                                   | 37.5889                                                    | 49.8661                                                   |
| 6/6/2012         | 97.4383                         | 1.0893                         | 1.1185                     | 0.3132                      | 1.4317                                   | 37.5850                                                    | 49.8483                                                   |
| 6/7/2012         | 97.5492                         | 0.9830                         | 1.1402                     | 0.2835                      | 1.4236                                   | 37.5593                                                    | 49.8444                                                   |
| 6/8/2012         | 97.2752                         | 1.2438                         | 1.0593                     | 0.3581                      | 1.4173                                   | 37.6531                                                    | 49.8833                                                   |
| 6/9/2012         | 97.3229                         | 1.2024                         | 1.0728                     | 0.3613                      | 1.4341                                   | 37.6160                                                    | 49.8535                                                   |
| 6/10/2012        | 97.5483                         | 0.9831                         | 1.1477                     | 0.2865                      | 1.4342                                   | 37.5469                                                    | 49.8317                                                   |
| 6/11/2012        | 97.4182                         | 1.1242                         | 1.0983                     | 0.3240                      | 1.4223                                   | 37.5930                                                    | 49.8547                                                   |
| 6/12/2012        | 97.2548                         | 1.2853                         | 1.0486                     | 0.3698                      | 1.4184                                   | 37.6474                                                    | 49.8768                                                   |
| 6/13/2012        | 97.1229                         | 1.4001                         | 1.0054                     | 0.4127                      | 1.4181                                   | 37.6945                                                    | 49.8926                                                   |
| 6/14/2012        | 97.1682                         | 1.3401                         | 1.0335                     | 0.3982                      | 1.4317                                   | 37.6742                                                    | 49.8791                                                   |
| 6/15/2012        | 97.0120                         | 1.4769                         | 0.9893                     | 0.4343                      | 1.4236                                   | 37.7374                                                    | 49.9105                                                   |
| 6/16/2012        | 97.6042                         | 0.8940                         | 1.1842                     | 0.2705                      | 1.4547                                   | 37.5254                                                    | 49.8135                                                   |
| 6/17/2012        | 97.4531                         | 1.0423                         | 1.1393                     | 0.3079                      | 1.4472                                   | 37.5805                                                    | 49.8397                                                   |
| 6/18/2012        | 97.7976                         | 0.7379                         | 1.2126                     | 0.2148                      | 1.4274                                   | 37.4814                                                    | 49.8144                                                   |
| 6/19/2012        | 97.9589                         | 0.5844                         | 1.2543                     | 0.1730                      | 1.4273                                   | 37.4296                                                    | 49.7948                                                   |
| 6/20/2012        | 97.6471                         | 0.9038                         | 1.1471                     | 0.2601                      | 1.4072                                   | 37.5405                                                    | 49.8469                                                   |
| 6/21/2012        | 97.7453                         | 0.8087                         | 1.1809                     | 0.2356                      | 1.4165                                   | 37.4984                                                    | 49.8243                                                   |
| 6/22/2012        | 97.7927                         | 0.7674                         | 1.1904                     | 0.2227                      | 1.4131                                   | 37.4850                                                    | 49.8213                                                   |
| 6/23/2012        | 98.1583                         | 0.3954                         | 1.3089                     | 0.1201                      | 1.4290                                   | 37.3624                                                    | 49.7681                                                   |
| 6/24/2012        | 98.1876                         | 0.3788                         | 1.3007                     | 0.1164                      | 1.4170                                   | 37.3613                                                    | 49.7740                                                   |
| 6/25/2012        | 98.1923                         | 0.3777                         | 1.2965                     | 0.1152                      | 1.4117                                   | 37.3648                                                    | 49.7788                                                   |
| 6/26/2012        | 98.1556                         | 0.4074                         | 1.2948                     | 0.1230                      | 1.4178                                   | 37.3719                                                    | 49.7781                                                   |
| 6/27/2012        | 97.5464                         | 1.0077                         | 1.1255                     | 0.2842                      | 1.4097                                   | 37.5653                                                    | 49.8542                                                   |
| 6/28/2012        | 97.7095                         | 0.9282                         | 1.0589                     | 0.2689                      | 1.3278                                   | 37.5717                                                    | 49.9008                                                   |
| 6/29/2012        | 97.8620                         | 0.6920                         | 1.2169                     | 0.2028                      | 1.4197                                   | 37.4604                                                    | 49.8089                                                   |
| 6/30/2012        | 97.8132                         | 0.7387                         | 1.2016                     | 0.2160                      | 1.4176                                   | 37.4785                                                    | 49.8171                                                   |
| <b>Promedios</b> | <b>97.6309</b>                  | <b>0.9090</b>                  | <b>1.1552</b>              | <b>0.2665</b>               | <b>1.4217</b>                            | <b>37.5335</b>                                             | <b>49.8346</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico | I. Wobbe |
|-----------------------|---------|--------|--------|--------|--------|------------------|----------|
| <b>Máximo</b>         | 98.1923 | 1.4769 | 1.3089 | 0.4343 | 1.4547 | 37.7374          | 49.9105  |
| <b>Mínimo</b>         | 97.0120 | 0.3777 | 0.9893 | 0.1152 | 1.3278 | 37.3613          | 49.7681  |
| <b>Desv. Estándar</b> | 0.3142  | 0.2997 | 0.0884 | 0.0866 | 0.0218 | 0.0986           | 0.0383   |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Monclova**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 97.5939                         | 0.9238                         | 1.1712                     | 0.2724                      | 1.4436                                   | 37.5308                                                    | 49.8214                                                   |
| 6/2/2012         | 97.7247                         | 0.7976                         | 1.2010                     | 0.2392                      | 1.4402                                   | 37.4941                                                    | 49.8109                                                   |
| 6/3/2012         | 97.8078                         | 0.7185                         | 1.2264                     | 0.2170                      | 1.4434                                   | 37.4633                                                    | 49.7964                                                   |
| 6/4/2012         | 97.5692                         | 0.9670                         | 1.1497                     | 0.2788                      | 1.4284                                   | 37.5451                                                    | 49.8347                                                   |
| 6/5/2012         | 97.4962                         | 1.0698                         | 1.0810                     | 0.3159                      | 1.3969                                   | 37.5889                                                    | 49.8661                                                   |
| 6/6/2012         | 97.4383                         | 1.0893                         | 1.1185                     | 0.3132                      | 1.4317                                   | 37.5850                                                    | 49.8483                                                   |
| 6/7/2012         | 97.5492                         | 0.9830                         | 1.1402                     | 0.2835                      | 1.4236                                   | 37.5593                                                    | 49.8444                                                   |
| 6/8/2012         | 97.2752                         | 1.2438                         | 1.0593                     | 0.3581                      | 1.4173                                   | 37.6531                                                    | 49.8833                                                   |
| 6/9/2012         | 97.3229                         | 1.2024                         | 1.0728                     | 0.3613                      | 1.4341                                   | 37.6160                                                    | 49.8535                                                   |
| 6/10/2012        | 97.5483                         | 0.9831                         | 1.1477                     | 0.2865                      | 1.4342                                   | 37.5469                                                    | 49.8317                                                   |
| 6/11/2012        | 97.4182                         | 1.1242                         | 1.0983                     | 0.3240                      | 1.4223                                   | 37.5930                                                    | 49.8547                                                   |
| 6/12/2012        | 97.2548                         | 1.2853                         | 1.0486                     | 0.3698                      | 1.4184                                   | 37.6474                                                    | 49.8768                                                   |
| 6/13/2012        | 97.1229                         | 1.4001                         | 1.0054                     | 0.4127                      | 1.4181                                   | 37.6945                                                    | 49.8926                                                   |
| 6/14/2012        | 97.1682                         | 1.3401                         | 1.0335                     | 0.3982                      | 1.4317                                   | 37.6742                                                    | 49.8791                                                   |
| 6/15/2012        | 97.0120                         | 1.4769                         | 0.9893                     | 0.4343                      | 1.4236                                   | 37.7374                                                    | 49.9105                                                   |
| 6/16/2012        | 97.6042                         | 0.8940                         | 1.1842                     | 0.2705                      | 1.4547                                   | 37.5254                                                    | 49.8135                                                   |
| 6/17/2012        | 97.4531                         | 1.0423                         | 1.1393                     | 0.3079                      | 1.4472                                   | 37.5805                                                    | 49.8397                                                   |
| 6/18/2012        | 97.7976                         | 0.7379                         | 1.2126                     | 0.2148                      | 1.4274                                   | 37.4814                                                    | 49.8144                                                   |
| 6/19/2012        | 97.9589                         | 0.5844                         | 1.2543                     | 0.1730                      | 1.4273                                   | 37.4296                                                    | 49.7948                                                   |
| 6/20/2012        | 97.6471                         | 0.9038                         | 1.1471                     | 0.2601                      | 1.4072                                   | 37.5405                                                    | 49.8469                                                   |
| 6/21/2012        | 97.7453                         | 0.8087                         | 1.1809                     | 0.2356                      | 1.4165                                   | 37.4984                                                    | 49.8243                                                   |
| 6/22/2012        | 97.7927                         | 0.7674                         | 1.1904                     | 0.2227                      | 1.4131                                   | 37.4850                                                    | 49.8213                                                   |
| 6/23/2012        | 98.1583                         | 0.3954                         | 1.3089                     | 0.1201                      | 1.4290                                   | 37.3624                                                    | 49.7681                                                   |
| 6/24/2012        | 98.1876                         | 0.3788                         | 1.3007                     | 0.1164                      | 1.4170                                   | 37.3613                                                    | 49.7740                                                   |
| 6/25/2012        | 98.1923                         | 0.3777                         | 1.2965                     | 0.1152                      | 1.4117                                   | 37.3648                                                    | 49.7788                                                   |
| 6/26/2012        | 98.1556                         | 0.4074                         | 1.2948                     | 0.1230                      | 1.4178                                   | 37.3719                                                    | 49.7781                                                   |
| 6/27/2012        | 97.5464                         | 1.0077                         | 1.1255                     | 0.2842                      | 1.4097                                   | 37.5653                                                    | 49.8542                                                   |
| 6/28/2012        | 97.7095                         | 0.9282                         | 1.0589                     | 0.2689                      | 1.3278                                   | 37.5717                                                    | 49.9008                                                   |
| 6/29/2012        | 97.8620                         | 0.6920                         | 1.2169                     | 0.2028                      | 1.4197                                   | 37.4604                                                    | 49.8089                                                   |
| 6/30/2012        | 97.8132                         | 0.7387                         | 1.2016                     | 0.2160                      | 1.4176                                   | 37.4785                                                    | 49.8171                                                   |
| <b>Promedios</b> | <b>97.6309</b>                  | <b>0.9090</b>                  | <b>1.1552</b>              | <b>0.2665</b>               | <b>1.4217</b>                            | <b>37.5335</b>                                             | <b>49.8346</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 98.1923 | 1.4769 | 1.3089 | 0.4343 | 1.4547 | 37.7374                   | 49.9105           |
| <b>Mínimo</b>         | 97.0120 | 0.3777 | 0.9893 | 0.1152 | 1.3278 | 37.3613                   | 49.7681           |
| <b>Desv. Estándar</b> | 0.3142  | 0.2997 | 0.0884 | 0.0866 | 0.0218 | 0.0986                    | 0.0383            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad GIMSA**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 95.3619                         | 2.9762                         | 0.2629                     | 0.8050                      | 1.0680                                   | 38.6648                                                    | 50.5173                                                   |
| 6/2/2012         | 95.5313                         | 2.8680                         | 0.3540                     | 0.6894                      | 1.0434                                   | 38.6014                                                    | 50.5165                                                   |
| 6/3/2012         | 95.4700                         | 2.8784                         | 0.4127                     | 0.6574                      | 1.0701                                   | 38.5946                                                    | 50.5034                                                   |
| 6/4/2012         | 96.1225                         | 2.5372                         | 0.2356                     | 0.6698                      | 0.9053                                   | 38.5135                                                    | 50.5359                                                   |
| 6/5/2012         | 95.9879                         | 2.7389                         | 0.2345                     | 0.6056                      | 0.8402                                   | 38.5577                                                    | 50.6069                                                   |
| 6/6/2012         | 95.7380                         | 2.8271                         | 0.2225                     | 0.6580                      | 0.8805                                   | 38.6662                                                    | 50.6361                                                   |
| 6/7/2012         | 95.6545                         | 2.8809                         | 0.2445                     | 0.6453                      | 0.8898                                   | 38.6628                                                    | 50.6447                                                   |
| 6/8/2012         | 94.8886                         | 3.3787                         | 0.2242                     | 0.6479                      | 0.8721                                   | 39.0162                                                    | 50.8406                                                   |
| 6/9/2012         | 95.1711                         | 3.0063                         | 0.2644                     | 0.6552                      | 0.9196                                   | 38.9330                                                    | 50.7695                                                   |
| 6/10/2012        | 94.5553                         | 3.2595                         | 0.2975                     | 0.8684                      | 1.1660                                   | 39.0121                                                    | 50.6509                                                   |
| 6/11/2012        | 94.0293                         | 3.4414                         | 0.3603                     | 0.9095                      | 1.2699                                   | 39.1919                                                    | 50.6955                                                   |
| 6/12/2012        | 95.9960                         | 2.5647                         | 0.2685                     | 0.5376                      | 0.8061                                   | 38.6638                                                    | 50.6987                                                   |
| 6/13/2012        | 96.4354                         | 2.3827                         | 0.2279                     | 0.4766                      | 0.7046                                   | 38.5452                                                    | 50.6940                                                   |
| 6/14/2012        | 96.0887                         | 2.5219                         | 0.2471                     | 0.5156                      | 0.7627                                   | 38.6690                                                    | 50.7269                                                   |
| 6/15/2012        | 95.6353                         | 2.7694                         | 0.2408                     | 0.5718                      | 0.8126                                   | 38.8222                                                    | 50.7764                                                   |
| 6/16/2012        | 95.9704                         | 2.5147                         | 0.2480                     | 0.5952                      | 0.8432                                   | 38.6608                                                    | 50.6658                                                   |
| 6/17/2012        | 96.2271                         | 2.4040                         | 0.2426                     | 0.6411                      | 0.8837                                   | 38.4744                                                    | 50.5313                                                   |
| 6/18/2012        | 95.5045                         | 2.7745                         | 0.2535                     | 0.7090                      | 0.9625                                   | 38.7491                                                    | 50.6334                                                   |
| 6/19/2012        | 95.5292                         | 2.7542                         | 0.2527                     | 0.6086                      | 0.8614                                   | 38.8574                                                    | 50.7646                                                   |
| 6/20/2012        | 96.1895                         | 2.4150                         | 0.2272                     | 0.6541                      | 0.8813                                   | 38.5022                                                    | 50.5449                                                   |
| 6/21/2012        | 96.3909                         | 2.3463                         | 0.2052                     | 0.5706                      | 0.7759                                   | 38.5013                                                    | 50.6135                                                   |
| 6/22/2012        | 96.5477                         | 2.2527                         | 0.2079                     | 0.5720                      | 0.7798                                   | 38.4235                                                    | 50.5675                                                   |
| 6/23/2012        | 95.7360                         | 2.8366                         | 0.1972                     | 0.6188                      | 0.8160                                   | 38.7111                                                    | 50.7017                                                   |
| 6/24/2012        | 95.3919                         | 3.0046                         | 0.2159                     | 0.6483                      | 0.8642                                   | 38.8311                                                    | 50.7398                                                   |
| 6/25/2012        | 95.5705                         | 2.8914                         | 0.2372                     | 0.6363                      | 0.8735                                   | 38.7387                                                    | 50.6865                                                   |
| 6/26/2012        | 95.2514                         | 3.0090                         | 0.3021                     | 0.7071                      | 1.0091                                   | 38.7750                                                    | 50.6275                                                   |
| 6/27/2012        | 95.7477                         | 2.7429                         | 0.2499                     | 0.6891                      | 0.9390                                   | 38.6083                                                    | 50.5701                                                   |
| 6/28/2012        | 95.6592                         | 2.7106                         | 0.2700                     | 0.7381                      | 1.0081                                   | 38.6051                                                    | 50.5245                                                   |
| 6/29/2012        | 95.2317                         | 2.8877                         | 0.2568                     | 0.7597                      | 1.0165                                   | 38.8317                                                    | 50.6431                                                   |
| 6/30/2012        | 95.4970                         | 2.7934                         | 0.2517                     | 0.7538                      | 1.0055                                   | 38.6985                                                    | 50.5746                                                   |
| <b>Promedios</b> | <b>95.6370</b>                  | <b>2.7790</b>                  | <b>0.2572</b>              | <b>0.6605</b>               | <b>0.9177</b>                            | <b>38.7028</b>                                             | <b>50.6401</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico | I. Wobbe |
|-----------------------|---------|--------|--------|--------|--------|------------------|----------|
| <b>Máximo</b>         | 96.5477 | 3.4414 | 0.4127 | 0.9095 | 1.2699 | 39.1919          | 50.8406  |
| <b>Mínimo</b>         | 94.0293 | 2.2527 | 0.1972 | 0.4766 | 0.7046 | 38.4235          | 50.5034  |
| <b>Desv. Estándar</b> | 0.5445  | 0.2892 | 0.0474 | 0.0954 | 0.1249 | 0.1770           | 0.0901   |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Burgos 1 2 3**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.6500                         | 5.0700                         | 0.2200                     | 1.0400                      | 1.2600                                   | 38.7267                                                    | 50.3753                                                   |
| 6/2/2012         | 93.6900                         | 5.0500                         | 0.1900                     | 1.0500                      | 1.2400                                   | 38.7659                                                    | 50.4262                                                   |
| 6/3/2012         | 93.7500                         | 5.0200                         | 0.1700                     | 1.0400                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/4/2012         | 93.7600                         | 5.0300                         | 0.1600                     | 1.0200                      | 1.1800                                   | 38.7659                                                    | 50.4689                                                   |
| 6/5/2012         | 93.5900                         | 5.1200                         | 0.2000                     | 1.0700                      | 1.2700                                   | 38.7659                                                    | 50.4262                                                   |
| 6/6/2012         | 93.6800                         | 5.0500                         | 0.1800                     | 1.0700                      | 1.2500                                   | 38.7267                                                    | 50.3752                                                   |
| 6/7/2012         | 93.7900                         | 4.9700                         | 0.1800                     | 1.0300                      | 1.2100                                   | 38.3352                                                    | 49.9082                                                   |
| 6/8/2012         | 93.6600                         | 5.0800                         | 0.2000                     | 1.0400                      | 1.2400                                   | 38.7267                                                    | 50.3752                                                   |
| 6/9/2012         | 93.6500                         | 5.1100                         | 0.1900                     | 1.0300                      | 1.2200                                   | 38.7659                                                    | 50.4262                                                   |
| 6/10/2012        | 93.6900                         | 5.0600                         | 0.1700                     | 1.0500                      | 1.2200                                   | 38.7659                                                    | 50.4262                                                   |
| 6/11/2012        | 93.7300                         | 5.0500                         | 0.1800                     | 1.0200                      | 1.2000                                   | 38.7659                                                    | 50.4689                                                   |
| 6/12/2012        | 93.7000                         | 5.0600                         | 0.1800                     | 1.0200                      | 1.2000                                   | 38.7659                                                    | 50.4262                                                   |
| 6/13/2012        | 93.6900                         | 5.0600                         | 0.1800                     | 1.0500                      | 1.2300                                   | 38.7659                                                    | 50.4262                                                   |
| 6/14/2012        | 93.6500                         | 5.0700                         | 0.1900                     | 1.0700                      | 1.2600                                   | 38.7267                                                    | 50.3752                                                   |
| 6/15/2012        | 93.6294                         | 5.1205                         | 0.2000                     | 1.0301                      | 1.2301                                   | 38.7659                                                    | 50.4262                                                   |
| 6/16/2012        | 93.7099                         | 5.0400                         | 0.1900                     | 1.0301                      | 1.2201                                   | 38.7659                                                    | 50.4689                                                   |
| 6/17/2012        | 93.7100                         | 5.0400                         | 0.1900                     | 1.0300                      | 1.2200                                   | 38.7659                                                    | 50.4262                                                   |
| 6/18/2012        | 93.6900                         | 5.0500                         | 0.1900                     | 1.0500                      | 1.2400                                   | 38.7659                                                    | 50.4262                                                   |
| 6/19/2012        | 93.6900                         | 5.0700                         | 0.1600                     | 1.0500                      | 1.2100                                   | 38.7659                                                    | 50.4262                                                   |
| 6/20/2012        | 93.6800                         | 5.0400                         | 0.1700                     | 1.0900                      | 1.2600                                   | 38.7659                                                    | 50.4262                                                   |
| 6/21/2012        | 93.7000                         | 5.0200                         | 0.1800                     | 1.0700                      | 1.2500                                   | 38.7659                                                    | 50.4262                                                   |
| 6/22/2012        | 93.7500                         | 4.9900                         | 0.1800                     | 1.0500                      | 1.2300                                   | 38.7659                                                    | 50.4689                                                   |
| 6/23/2012        | 93.7194                         | 5.0205                         | 0.1800                     | 1.0601                      | 1.2401                                   | 38.7659                                                    | 50.4262                                                   |
| 6/24/2012        | 93.7300                         | 5.0100                         | 0.1700                     | 1.0600                      | 1.2300                                   | 38.7659                                                    | 50.4689                                                   |
| 6/25/2012        | 93.7006                         | 5.0395                         | 0.1700                     | 1.0499                      | 1.2199                                   | 38.7659                                                    | 50.4262                                                   |
| 6/26/2012        | 93.7500                         | 4.9700                         | 0.1700                     | 1.0700                      | 1.2400                                   | 38.7659                                                    | 50.4262                                                   |
| 6/27/2012        | 93.7900                         | 4.9200                         | 0.1800                     | 1.0800                      | 1.2600                                   | 38.7268                                                    | 50.4179                                                   |
| 6/28/2012        | 93.8000                         | 4.9200                         | 0.1700                     | 1.0800                      | 1.2500                                   | 38.7268                                                    | 50.4179                                                   |
| 6/29/2012        | 93.8588                         | 4.9210                         | 0.1700                     | 1.0402                      | 1.2102                                   | 38.7268                                                    | 50.4180                                                   |
| 6/30/2012        | 93.8094                         | 4.9405                         | 0.1800                     | 1.0501                      | 1.2301                                   | 38.7268                                                    | 50.4179                                                   |
| <b>Promedios</b> | <b>93.7132</b>                  | <b>5.0304</b>                  | <b>0.1813</b>              | <b>1.0497</b>               | <b>1.2310</b>                            | <b>38.7411</b>                                             | <b>50.4096</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.8588 | 5.1205 | 0.2200 | 1.0900 | 1.2700 | 38.7659                   | 50.4689           |
| <b>Mínimo</b>         | 93.5900 | 4.9200 | 0.1600 | 1.0200 | 1.1800 | 38.3352                   | 49.9082           |
| <b>Desv. Estándar</b> | 0.0584  | 0.0552 | 0.0131 | 0.0192 | 0.0214 | 0.0786                    | 0.0986            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Burgos 4**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.7900                         | 5.0100                         | 0.2000                     | 1.0000                      | 1.2000                                   | 38.7659                                                    | 50.4262                                                   |
| 6/2/2012         | 93.6294                         | 5.1005                         | 0.2000                     | 1.0701                      | 1.2701                                   | 38.7267                                                    | 50.3752                                                   |
| 6/3/2012         | 93.7500                         | 5.0300                         | 0.1700                     | 1.0500                      | 1.2200                                   | 38.7659                                                    | 50.4689                                                   |
| 6/4/2012         | 93.6800                         | 5.0800                         | 0.1800                     | 1.0600                      | 1.2400                                   | 38.7659                                                    | 50.4262                                                   |
| 6/5/2012         | 93.7200                         | 5.0500                         | 0.1900                     | 1.0400                      | 1.2300                                   | 38.7267                                                    | 50.4179                                                   |
| 6/6/2012         | 93.7100                         | 5.0300                         | 0.1800                     | 1.0800                      | 1.2600                                   | 38.7267                                                    | 50.4179                                                   |
| 6/7/2012         | 93.6700                         | 5.1100                         | 0.1600                     | 1.0600                      | 1.2200                                   | 38.7659                                                    | 50.4689                                                   |
| 6/8/2012         | 93.6494                         | 5.1205                         | 0.2000                     | 1.0301                      | 1.2301                                   | 38.7659                                                    | 50.4262                                                   |
| 6/9/2012         | 93.6494                         | 5.1105                         | 0.1900                     | 1.0501                      | 1.2401                                   | 38.7659                                                    | 50.4262                                                   |
| 6/10/2012        | 93.7294                         | 5.0305                         | 0.1600                     | 1.0801                      | 1.2401                                   | 38.7659                                                    | 50.4262                                                   |
| 6/11/2012        | 93.6706                         | 5.0295                         | 0.1700                     | 1.0999                      | 1.2699                                   | 38.7267                                                    | 50.3752                                                   |
| 6/12/2012        | 93.8000                         | 4.9600                         | 0.1700                     | 1.0700                      | 1.2400                                   | 38.7268                                                    | 50.4179                                                   |
| 6/13/2012        | 93.6800                         | 5.0700                         | 0.1700                     | 1.0800                      | 1.2500                                   | 38.7659                                                    | 50.4262                                                   |
| 6/14/2012        | 93.6900                         | 5.0500                         | 0.1900                     | 1.0600                      | 1.2500                                   | 38.7659                                                    | 50.4689                                                   |
| 6/15/2012        | 93.7500                         | 5.0300                         | 0.1800                     | 1.0300                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/16/2012        | 93.7400                         | 5.0400                         | 0.1900                     | 1.0200                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/17/2012        | 93.7300                         | 5.0400                         | 0.1900                     | 1.0400                      | 1.2300                                   | 38.7659                                                    | 50.4689                                                   |
| 6/18/2012        | 93.7500                         | 5.0400                         | 0.1800                     | 1.0300                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/19/2012        | 93.7800                         | 5.0200                         | 0.1600                     | 1.0400                      | 1.2000                                   | 38.7268                                                    | 50.4179                                                   |
| 6/20/2012        | 93.7700                         | 5.0100                         | 0.1700                     | 1.0500                      | 1.2200                                   | 38.7268                                                    | 50.4179                                                   |
| 6/21/2012        | 93.7500                         | 5.0400                         | 0.1700                     | 1.0400                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/22/2012        | 93.7800                         | 5.0100                         | 0.1700                     | 1.0400                      | 1.2100                                   | 38.7268                                                    | 50.4179                                                   |
| 6/23/2012        | 93.7200                         | 5.0500                         | 0.1600                     | 1.0600                      | 1.2200                                   | 38.7659                                                    | 50.4689                                                   |
| 6/24/2012        | 93.7400                         | 4.9900                         | 0.1800                     | 1.0900                      | 1.2700                                   | 38.7268                                                    | 50.4179                                                   |
| 6/25/2012        | 93.7106                         | 5.0095                         | 0.1700                     | 1.1099                      | 1.2799                                   | 38.7267                                                    | 50.3753                                                   |
| 6/26/2012        | 93.7200                         | 5.0300                         | 0.1700                     | 1.0700                      | 1.2400                                   | 38.7267                                                    | 50.3753                                                   |
| 6/27/2012        | 93.8500                         | 4.8900                         | 0.1600                     | 1.0900                      | 1.2500                                   | 38.6876                                                    | 50.3670                                                   |
| 6/28/2012        | 93.7500                         | 4.9600                         | 0.1700                     | 1.1200                      | 1.2900                                   | 38.6876                                                    | 50.3244                                                   |
| 6/29/2012        | 93.8298                         | 4.9600                         | 0.1600                     | 1.0402                      | 1.2002                                   | 38.7268                                                    | 50.4179                                                   |
| 6/30/2012        | 93.8200                         | 4.9900                         | 0.1800                     | 1.0100                      | 1.1900                                   | 38.7268                                                    | 50.4179                                                   |
| <b>Promedios</b> | <b>93.7336</b>                  | <b>5.0297</b>                  | <b>0.1763</b>              | <b>1.0570</b>               | <b>1.2333</b>                            | <b>38.7437</b>                                             | <b>50.4244</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.8500 | 5.1205 | 0.2000 | 1.1200 | 1.2900 | 38.7659                   | 50.4689           |
| <b>Mínimo</b>         | 93.6294 | 4.8900 | 0.1600 | 1.0000 | 1.1900 | 38.6876                   | 50.3244           |
| <b>Desv. Estándar</b> | 0.0549  | 0.0495 | 0.0127 | 0.0286 | 0.0262 | 0.0245                    | 0.0377            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Burgos 5 6**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.6600                         | 5.0900                         | 0.2100                     | 1.0300                      | 1.2400                                   | 38.7659                                                    | 50.4262                                                   |
| 6/2/2012         | 93.6900                         | 5.0600                         | 0.2100                     | 1.0300                      | 1.2400                                   | 38.7267                                                    | 50.4179                                                   |
| 6/3/2012         | 93.7200                         | 5.0500                         | 0.1700                     | 1.0600                      | 1.2300                                   | 38.7659                                                    | 50.4689                                                   |
| 6/4/2012         | 93.7294                         | 5.0705                         | 0.1700                     | 1.0301                      | 1.2001                                   | 38.7659                                                    | 50.4689                                                   |
| 6/5/2012         | 93.6200                         | 5.1300                         | 0.1700                     | 1.0800                      | 1.2500                                   | 38.7659                                                    | 50.4262                                                   |
| 6/6/2012         | 93.6400                         | 5.0800                         | 0.1900                     | 1.0900                      | 1.2800                                   | 38.7267                                                    | 50.3753                                                   |
| 6/7/2012         | 93.7494                         | 5.0205                         | 0.1900                     | 1.0401                      | 1.2301                                   | 38.7659                                                    | 50.4689                                                   |
| 6/8/2012         | 93.7000                         | 5.0900                         | 0.1800                     | 1.0300                      | 1.2100                                   | 38.7267                                                    | 50.4179                                                   |
| 6/9/2012         | 93.6694                         | 5.1105                         | 0.1700                     | 1.0501                      | 1.2201                                   | 38.7659                                                    | 50.4262                                                   |
| 6/10/2012        | 93.7000                         | 5.0900                         | 0.1800                     | 1.0300                      | 1.2100                                   | 38.7659                                                    | 50.4262                                                   |
| 6/11/2012        | 93.6700                         | 5.0700                         | 0.1700                     | 1.0600                      | 1.2300                                   | 38.7659                                                    | 50.4262                                                   |
| 6/12/2012        | 93.7100                         | 5.0700                         | 0.1800                     | 1.0300                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/13/2012        | 93.7400                         | 5.0200                         | 0.1800                     | 1.0500                      | 1.2300                                   | 38.7267                                                    | 50.4179                                                   |
| 6/14/2012        | 93.6800                         | 5.0600                         | 0.1800                     | 1.0700                      | 1.2500                                   | 38.7659                                                    | 50.4262                                                   |
| 6/15/2012        | 93.6900                         | 5.0700                         | 0.1900                     | 1.0400                      | 1.2300                                   | 38.7267                                                    | 50.3753                                                   |
| 6/16/2012        | 93.7400                         | 5.0400                         | 0.1900                     | 1.0200                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/17/2012        | 93.7300                         | 5.0400                         | 0.1900                     | 1.0400                      | 1.2300                                   | 38.7659                                                    | 50.4689                                                   |
| 6/18/2012        | 93.7500                         | 5.0400                         | 0.1800                     | 1.0300                      | 1.2100                                   | 38.7659                                                    | 50.4689                                                   |
| 6/19/2012        | 93.7300                         | 5.0400                         | 0.1700                     | 1.0500                      | 1.2200                                   | 38.7659                                                    | 50.4689                                                   |
| 6/20/2012        | 93.6200                         | 5.1100                         | 0.1800                     | 1.0800                      | 1.2600                                   | 38.7659                                                    | 50.4262                                                   |
| 6/21/2012        | 93.7800                         | 4.9900                         | 0.1700                     | 1.0500                      | 1.2200                                   | 38.7268                                                    | 50.4179                                                   |
| 6/22/2012        | 93.7000                         | 5.0600                         | 0.1700                     | 1.0500                      | 1.2200                                   | 38.7659                                                    | 50.4262                                                   |
| 6/23/2012        | 93.7400                         | 5.0100                         | 0.1800                     | 1.0600                      | 1.2400                                   | 38.7659                                                    | 50.4689                                                   |
| 6/24/2012        | 93.7300                         | 5.0200                         | 0.1700                     | 1.0600                      | 1.2300                                   | 38.7659                                                    | 50.4689                                                   |
| 6/25/2012        | 93.7000                         | 5.0600                         | 0.1700                     | 1.0500                      | 1.2200                                   | 38.7659                                                    | 50.4262                                                   |
| 6/26/2012        | 93.7300                         | 5.0100                         | 0.1700                     | 1.0700                      | 1.2400                                   | 38.7659                                                    | 50.4689                                                   |
| 6/27/2012        | 93.8400                         | 4.8900                         | 0.1700                     | 1.0800                      | 1.2500                                   | 38.7268                                                    | 50.4179                                                   |
| 6/28/2012        | 93.7800                         | 4.9200                         | 0.1700                     | 1.1000                      | 1.2700                                   | 38.7267                                                    | 50.3752                                                   |
| 6/29/2012        | 93.8100                         | 4.9400                         | 0.1800                     | 1.0600                      | 1.2400                                   | 38.7268                                                    | 50.4179                                                   |
| 6/30/2012        | 93.7700                         | 4.9700                         | 0.1800                     | 1.0700                      | 1.2500                                   | 38.7268                                                    | 50.4179                                                   |
| <b>Promedios</b> | <b>93.7173</b>                  | <b>5.0407</b>                  | <b>0.1793</b>              | <b>1.0530</b>               | <b>1.2323</b>                            | <b>38.7529</b>                                             | <b>50.4348</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.8400 | 5.1300 | 0.2100 | 1.1000 | 1.2800 | 38.7659                   | 50.4689           |
| <b>Mínimo</b>         | 93.6200 | 4.8900 | 0.1700 | 1.0200 | 1.2001 | 38.7267                   | 50.3752           |
| <b>Desv. Estándar</b> | 0.0511  | 0.0556 | 0.0111 | 0.0205 | 0.0189 | 0.0188                    | 0.0300            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Culebra Norte**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 95.2208                         | 1.8521                         | 0.0900                     | 1.9161                      | 2.0061                                   | 38.3227                                                    | 49.6401                                                   |
| 6/2/2012         | 95.1528                         | 1.8781                         | 0.0930                     | 1.9131                      | 2.0061                                   | 38.1587                                                    | 49.4277                                                   |
| 6/3/2012         | 95.2453                         | 1.8709                         | 0.0820                     | 1.8709                      | 1.9529                                   | 38.1938                                                    | 49.5147                                                   |
| 6/4/2012         | 95.1201                         | 1.9140                         | 0.0910                     | 1.8890                      | 1.9800                                   | 38.1840                                                    | 49.4190                                                   |
| 6/5/2012         | 95.2038                         | 1.8671                         | 0.0930                     | 1.8671                      | 1.9601                                   | 38.2301                                                    | 49.5201                                                   |
| 6/6/2012         | 95.1771                         | 1.9119                         | 0.0900                     | 1.8819                      | 1.9719                                   | 38.2211                                                    | 49.5085                                                   |
| 6/7/2012         | 95.1160                         | 1.9600                         | 0.0930                     | 1.8590                      | 1.9520                                   | 38.1988                                                    | 49.4796                                                   |
| 6/8/2012         | 95.1581                         | 1.9049                         | 0.0870                     | 1.8699                      | 1.9569                                   | 38.2468                                                    | 49.5418                                                   |
| 6/9/2012         | 95.1550                         | 1.9120                         | 0.0890                     | 1.8750                      | 1.9640                                   | 38.2330                                                    | 49.5239                                                   |
| 6/10/2012        | 95.1632                         | 1.8799                         | 0.0890                     | 1.8779                      | 1.9669                                   | 38.2267                                                    | 49.5157                                                   |
| 6/11/2012        | 95.0949                         | 1.8840                         | 0.0910                     | 1.9110                      | 2.0020                                   | 38.2248                                                    | 49.4718                                                   |
| 6/12/2012        | 95.2150                         | 1.8550                         | 0.0880                     | 1.8950                      | 1.9830                                   | 38.2388                                                    | 49.5314                                                   |
| 6/13/2012        | 95.1681                         | 1.8789                         | 0.0870                     | 1.8919                      | 1.9789                                   | 38.1814                                                    | 49.4571                                                   |
| 6/14/2012        | 95.1620                         | 1.9090                         | 0.0860                     | 1.8670                      | 1.9530                                   | 38.2136                                                    | 49.4988                                                   |
| 6/15/2012        | 95.0959                         | 1.9430                         | 0.0910                     | 1.8400                      | 1.9310                                   | 38.2334                                                    | 49.4830                                                   |
| 6/16/2012        | 95.0921                         | 1.9439                         | 0.0890                     | 1.8459                      | 1.9349                                   | 38.2929                                                    | 49.5600                                                   |
| 6/17/2012        | 95.1132                         | 1.9429                         | 0.0800                     | 1.8689                      | 1.9489                                   | 38.2851                                                    | 49.5915                                                   |
| 6/18/2012        | 95.1551                         | 1.8710                         | 0.0900                     | 1.8880                      | 1.9780                                   | 38.2549                                                    | 49.5523                                                   |
| 6/19/2012        | 95.1372                         | 1.8560                         | 0.0799                     | 1.8920                      | 1.9719                                   | 38.2238                                                    | 49.5536                                                   |
| 6/20/2012        | 95.1622                         | 1.8769                         | 0.0870                     | 1.8849                      | 1.9719                                   | 38.1716                                                    | 49.4445                                                   |
| 6/21/2012        | 95.1822                         | 1.8839                         | 0.0890                     | 1.8799                      | 1.9689                                   | 38.2215                                                    | 49.5090                                                   |
| 6/22/2012        | 95.2740                         | 1.7990                         | 0.0890                     | 1.9470                      | 2.0360                                   | 38.2055                                                    | 49.5299                                                   |
| 6/23/2012        | 95.2161                         | 1.8400                         | 0.0860                     | 1.9020                      | 1.9880                                   | 38.0999                                                    | 49.3515                                                   |
| 6/24/2012        | 95.2290                         | 1.8760                         | 0.0850                     | 1.8680                      | 1.9530                                   | 38.1760                                                    | 49.4917                                                   |
| 6/25/2012        | 95.1619                         | 1.8750                         | 0.0860                     | 1.8870                      | 1.9730                                   | 38.1940                                                    | 49.4735                                                   |
| 6/26/2012        | 95.0568                         | 1.8501                         | 0.0900                     | 1.9901                      | 2.0801                                   | 38.2204                                                    | 49.4247                                                   |
| 6/27/2012        | 95.2648                         | 1.8121                         | 0.0840                     | 1.9021                      | 1.9861                                   | 38.1920                                                    | 49.5124                                                   |
| 6/28/2012        | 95.0440                         | 1.9800                         | 0.0860                     | 1.8420                      | 1.9280                                   | 38.1590                                                    | 49.3867                                                   |
| 6/29/2012        | 95.0189                         | 1.9611                         | 0.0890                     | 1.8501                      | 1.9391                                   | 38.3059                                                    | 49.5768                                                   |
| 6/30/2012        | 95.2140                         | 1.8668                         | 0.0720                     | 1.8668                      | 1.9388                                   | 38.3017                                                    | 49.6964                                                   |
| <b>Promedios</b> | <b>95.1590</b>                  | <b>1.8885</b>                  | <b>0.0874</b>              | <b>1.8846</b>               | <b>1.9720</b>                            | <b>38.2204</b>                                             | <b>49.5063</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 95.2740 | 1.9800 | 0.0930 | 1.9901 | 2.0801 | 38.3227                   | 49.6964           |
| <b>Mínimo</b>         | 95.0189 | 1.7990 | 0.0720 | 1.8400 | 1.9280 | 38.0999                   | 49.3515           |
| <b>Desv. Estándar</b> | 0.0629  | 0.0430 | 0.0045 | 0.0308 | 0.0318 | 0.0487                    | 0.0708            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Nejo**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 91.9500                         | 5.7020                         | 0.5890                     | 0.7290                      | 1.3180                                   | 39.4815                                                    | 50.8857                                                   |
| 6/2/2012         | 91.9680                         | 5.6660                         | 0.5850                     | 0.7020                      | 1.2870                                   | 39.5162                                                    | 50.9304                                                   |
| 6/3/2012         | 91.8592                         | 5.7219                         | 0.5860                     | 0.7240                      | 1.3100                                   | 39.5387                                                    | 50.9594                                                   |
| 6/4/2012         | 91.9221                         | 5.7109                         | 0.5860                     | 0.7120                      | 1.2980                                   | 39.5149                                                    | 50.9287                                                   |
| 6/5/2012         | 91.9780                         | 5.7140                         | 0.5880                     | 0.7130                      | 1.3010                                   | 39.4761                                                    | 50.9210                                                   |
| 6/6/2012         | 91.9769                         | 5.6961                         | 0.5890                     | 0.7230                      | 1.3120                                   | 39.4725                                                    | 50.8741                                                   |
| 6/7/2012         | 91.9279                         | 5.7351                         | 0.5880                     | 0.7070                      | 1.2950                                   | 39.5056                                                    | 50.9167                                                   |
| 6/8/2012         | 91.8850                         | 5.7180                         | 0.5890                     | 0.7270                      | 1.3160                                   | 39.5188                                                    | 50.9337                                                   |
| 6/9/2012         | 91.9551                         | 5.6849                         | 0.5910                     | 0.7010                      | 1.2920                                   | 39.5102                                                    | 50.9226                                                   |
| 6/10/2012        | 91.8780                         | 5.7450                         | 0.5910                     | 0.7220                      | 1.3130                                   | 39.5161                                                    | 50.9303                                                   |
| 6/11/2012        | 91.8730                         | 5.7620                         | 0.5900                     | 0.7020                      | 1.2920                                   | 39.5340                                                    | 50.9533                                                   |
| 6/12/2012        | 91.8801                         | 5.7549                         | 0.5880                     | 0.7180                      | 1.3060                                   | 39.5177                                                    | 50.9323                                                   |
| 6/13/2012        | 91.8810                         | 5.7660                         | 0.5860                     | 0.7170                      | 1.3030                                   | 39.5166                                                    | 50.9309                                                   |
| 6/14/2012        | 91.9791                         | 5.6839                         | 0.5910                     | 0.7110                      | 1.3020                                   | 39.4866                                                    | 50.9345                                                   |
| 6/15/2012        | 91.9135                         | 5.7365                         | 0.5920                     | 0.7292                      | 1.3211                                   | 39.4860                                                    | 50.8889                                                   |
| 6/16/2012        | 91.9052                         | 5.7638                         | 0.5920                     | 0.7120                      | 1.3040                                   | 39.5012                                                    | 50.9111                                                   |
| 6/17/2012        | 91.9760                         | 5.6840                         | 0.5890                     | 0.7200                      | 1.3090                                   | 39.4922                                                    | 50.8995                                                   |
| 6/18/2012        | 92.0680                         | 5.6290                         | 0.5960                     | 0.7130                      | 1.3090                                   | 39.4415                                                    | 50.8763                                                   |
| 6/19/2012        | 92.0110                         | 5.6680                         | 0.5950                     | 0.7190                      | 1.3140                                   | 39.4603                                                    | 50.9007                                                   |
| 6/20/2012        | 92.0810                         | 5.6390                         | 0.5940                     | 0.7080                      | 1.3020                                   | 39.4362                                                    | 50.8696                                                   |
| 6/21/2012        | 92.0221                         | 5.6819                         | 0.5940                     | 0.7210                      | 1.3150                                   | 39.4451                                                    | 50.8810                                                   |
| 6/22/2012        | 91.9408                         | 5.7441                         | 0.5940                     | 0.7200                      | 1.3140                                   | 39.4749                                                    | 50.9195                                                   |
| 6/23/2012        | 91.9861                         | 5.7029                         | 0.5970                     | 0.7190                      | 1.3160                                   | 39.4596                                                    | 50.8998                                                   |
| 6/24/2012        | 91.9880                         | 5.7060                         | 0.5980                     | 0.7220                      | 1.3200                                   | 39.4539                                                    | 50.8924                                                   |
| 6/25/2012        | 92.0160                         | 5.6630                         | 0.5970                     | 0.7190                      | 1.3160                                   | 39.4555                                                    | 50.8944                                                   |
| 6/26/2012        | 92.0180                         | 5.6780                         | 0.5980                     | 0.7240                      | 1.3220                                   | 39.4433                                                    | 50.8787                                                   |
| 6/27/2012        | 91.9301                         | 5.7499                         | 0.5860                     | 0.7010                      | 1.2870                                   | 39.5074                                                    | 50.9190                                                   |
| 6/28/2012        | 92.0020                         | 5.7270                         | 0.5900                     | 0.7000                      | 1.2900                                   | 39.4678                                                    | 50.9104                                                   |
| 6/29/2012        | 91.9540                         | 5.7560                         | 0.5850                     | 0.6900                      | 1.2750                                   | 39.5032                                                    | 50.9559                                                   |
| 6/30/2012        | 91.9826                         | 5.7421                         | 0.5869                     | 0.6899                      | 1.2768                                   | 39.4376                                                    | 50.7859                                                   |
| <b>Promedios</b> | <b>91.9569</b>                  | <b>5.7111</b>                  | <b>0.5907</b>              | <b>0.7138</b>               | <b>1.3045</b>                            | <b>39.4857</b>                                             | <b>50.9079</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 92.0810 | 5.7660 | 0.5980 | 0.7292 | 1.3220 | 39.5387                   | 50.9594           |
| <b>Mínimo</b>         | 91.8592 | 5.6290 | 0.5850 | 0.6899 | 1.2750 | 39.4362                   | 50.7859           |
| <b>Desv. Estándar</b> | 0.0575  | 0.0377 | 0.0040 | 0.0107 | 0.0129 | 0.0306                    | 0.0339            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Kinder Morgan Reynosa**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 95.2969                         | 2.8047                         | 0.2494                     | 1.3098                      | 1.5591                                   | 38.2632                                                    | 49.9436                                                   |
| 6/2/2012         | 95.8344                         | 2.4717                         | 0.2380                     | 1.2292                      | 1.4672                                   | 38.1136                                                    | 49.9181                                                   |
| 6/3/2012         | 95.5821                         | 2.6800                         | 0.2308                     | 1.2693                      | 1.5001                                   | 38.1690                                                    | 49.9258                                                   |
| 6/4/2012         | 95.3511                         | 2.8822                         | 0.2287                     | 1.2612                      | 1.4899                                   | 38.2598                                                    | 49.9846                                                   |
| 6/5/2012         | 95.3431                         | 2.8871                         | 0.2294                     | 1.2711                      | 1.5005                                   | 38.2511                                                    | 49.9725                                                   |
| 6/6/2012         | 95.9636                         | 2.3066                         | 0.2284                     | 1.2721                      | 1.5005                                   | 38.0530                                                    | 49.8578                                                   |
| 6/7/2012         | 95.9712                         | 2.3120                         | 0.2270                     | 1.2697                      | 1.4967                                   | 38.0498                                                    | 49.8584                                                   |
| 6/8/2012         | 95.8565                         | 2.4276                         | 0.2321                     | 1.2389                      | 1.4710                                   | 38.1048                                                    | 49.9091                                                   |
| 6/9/2012         | 95.9285                         | 2.4222                         | 0.2254                     | 1.1966                      | 1.4220                                   | 38.1148                                                    | 49.9471                                                   |
| 6/10/2012        | 95.4567                         | 2.9280                         | 0.2178                     | 1.0977                      | 1.3155                                   | 38.3630                                                    | 50.1616                                                   |
| 6/11/2012        | 95.4461                         | 2.7912                         | 0.2331                     | 1.2966                      | 1.5297                                   | 38.1745                                                    | 49.9093                                                   |
| 6/12/2012        | 94.9622                         | 3.2413                         | 0.2282                     | 1.2701                      | 1.4982                                   | 38.3697                                                    | 50.0422                                                   |
| 6/13/2012        | 94.8400                         | 3.4187                         | 0.2219                     | 1.2503                      | 1.4721                                   | 38.4060                                                    | 50.0798                                                   |
| 6/14/2012        | 95.2563                         | 2.9869                         | 0.2289                     | 1.2242                      | 1.4531                                   | 38.3128                                                    | 50.0406                                                   |
| 6/15/2012        | 95.6283                         | 2.6712                         | 0.2314                     | 1.2251                      | 1.4565                                   | 38.1825                                                    | 49.9638                                                   |
| 6/16/2012        | 95.4744                         | 2.8011                         | 0.2297                     | 1.2432                      | 1.4729                                   | 38.2209                                                    | 49.9742                                                   |
| 6/17/2012        | 95.5667                         | 2.7102                         | 0.2295                     | 1.2370                      | 1.4665                                   | 38.2010                                                    | 49.9671                                                   |
| 6/18/2012        | 94.9317                         | 3.1673                         | 0.2250                     | 1.2473                      | 1.4723                                   | 38.4654                                                    | 50.1137                                                   |
| 6/19/2012        | 95.1481                         | 3.2074                         | 0.2114                     | 1.1087                      | 1.3201                                   | 38.4509                                                    | 50.2075                                                   |
| 6/20/2012        | 94.5637                         | 3.5302                         | 0.2395                     | 1.2533                      | 1.4928                                   | 38.5288                                                    | 50.1398                                                   |
| 6/21/2012        | 94.6348                         | 3.4260                         | 0.2292                     | 1.2424                      | 1.4717                                   | 38.5456                                                    | 50.1612                                                   |
| 6/22/2012        | 94.7674                         | 3.2624                         | 0.2297                     | 1.2597                      | 1.4894                                   | 38.5003                                                    | 50.1230                                                   |
| 6/23/2012        | 94.8427                         | 3.2016                         | 0.2317                     | 1.2584                      | 1.4900                                   | 38.4724                                                    | 50.1071                                                   |
| 6/24/2012        | 94.6818                         | 3.3494                         | 0.2373                     | 1.2680                      | 1.5053                                   | 38.5049                                                    | 50.1166                                                   |
| 6/25/2012        | 94.6838                         | 3.2916                         | 0.2296                     | 1.2839                      | 1.5135                                   | 38.5246                                                    | 50.1204                                                   |
| 6/26/2012        | 95.3230                         | 2.8273                         | 0.2425                     | 1.2080                      | 1.4505                                   | 38.3422                                                    | 50.0619                                                   |
| 6/27/2012        | 95.5710                         | 2.7243                         | 0.2307                     | 1.2548                      | 1.4855                                   | 38.1720                                                    | 49.9376                                                   |
| 6/28/2012        | 95.4351                         | 2.8559                         | 0.2430                     | 1.2737                      | 1.5167                                   | 38.1700                                                    | 49.9181                                                   |
| 6/29/2012        | 95.6409                         | 2.5991                         | 0.2460                     | 1.2645                      | 1.5105                                   | 38.1342                                                    | 49.9021                                                   |
| 6/30/2012        | 95.6343                         | 2.6640                         | 0.2454                     | 1.2289                      | 1.4743                                   | 38.1537                                                    | 49.9383                                                   |
| <b>Promedios</b> | <b>95.3206</b>                  | <b>2.8950</b>                  | <b>0.2317</b>              | <b>1.2438</b>               | <b>1.4755</b>                            | <b>38.2858</b>                                             | <b>50.0101</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 95.9712 | 3.5302 | 0.2494 | 1.3098 | 1.5591 | 38.5456                   | 50.2075           |
| <b>Mínimo</b>         | 94.5637 | 2.3066 | 0.2114 | 1.0977 | 1.3155 | 38.0498                   | 49.8578           |
| <b>Desv. Estándar</b> | 0.4256  | 0.3472 | 0.0082 | 0.0453 | 0.0503 | 0.1578                    | 0.1010            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Tennessee**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 95.2641                         | 3.0655                         | 0.2739                     | 0.7738                      | 1.0477                                   | 38.6699                                                    | 50.5320                                                   |
| 6/2/2012         | 95.6098                         | 2.9999                         | 0.2268                     | 0.7141                      | 0.9409                                   | 38.5739                                                    | 50.5415                                                   |
| 6/3/2012         | 96.0926                         | 2.6667                         | 0.2063                     | 0.6666                      | 0.8728                                   | 38.4546                                                    | 50.5166                                                   |
| 6/4/2012         | 96.2712                         | 2.4849                         | 0.2338                     | 0.6601                      | 0.8940                                   | 38.3814                                                    | 50.4669                                                   |
| 6/5/2012         | 96.0059                         | 2.7251                         | 0.2442                     | 0.5952                      | 0.8394                                   | 38.5196                                                    | 50.5861                                                   |
| 6/6/2012         | 95.7118                         | 2.8431                         | 0.2345                     | 0.6505                      | 0.8850                                   | 38.6281                                                    | 50.6127                                                   |
| 6/7/2012         | 95.6575                         | 2.9003                         | 0.2619                     | 0.6303                      | 0.8922                                   | 38.6289                                                    | 50.6148                                                   |
| 6/8/2012         | 94.9887                         | 3.3232                         | 0.2363                     | 0.6250                      | 0.8613                                   | 38.9504                                                    | 50.8112                                                   |
| 6/9/2012         | 95.2034                         | 3.0085                         | 0.2720                     | 0.6407                      | 0.9127                                   | 38.8782                                                    | 50.7426                                                   |
| 6/10/2012        | 94.7983                         | 3.1600                         | 0.3000                     | 0.8463                      | 1.1463                                   | 38.8518                                                    | 50.5720                                                   |
| 6/11/2012        | 96.7259                         | 2.2303                         | 0.2330                     | 0.4703                      | 0.7033                                   | 38.3817                                                    | 50.6163                                                   |
| 6/12/2012        | 96.6897                         | 2.2493                         | 0.2316                     | 0.4736                      | 0.7052                                   | 38.3914                                                    | 50.5851                                                   |
| 6/13/2012        | 96.1340                         | 2.5061                         | 0.2590                     | 0.5603                      | 0.8193                                   | 38.5502                                                    | 50.6203                                                   |
| 6/14/2012        | 96.1416                         | 2.5053                         | 0.2528                     | 0.5071                      | 0.7600                                   | 38.6067                                                    | 50.6925                                                   |
| 6/15/2012        | 95.7119                         | 2.7430                         | 0.2481                     | 0.5592                      | 0.8073                                   | 38.7509                                                    | 50.7391                                                   |
| 6/16/2012        | 96.0505                         | 2.4865                         | 0.2543                     | 0.5828                      | 0.8371                                   | 38.5907                                                    | 50.6293                                                   |
| 6/17/2012        | 96.2894                         | 2.3833                         | 0.2493                     | 0.6268                      | 0.8761                                   | 38.4244                                                    | 50.5072                                                   |
| 6/18/2012        | 95.5685                         | 2.7616                         | 0.2602                     | 0.6935                      | 0.9537                                   | 38.6835                                                    | 50.6014                                                   |
| 6/19/2012        | 95.6439                         | 2.7099                         | 0.2589                     | 0.5944                      | 0.8533                                   | 38.7583                                                    | 50.7134                                                   |
| 6/20/2012        | 96.2408                         | 2.4022                         | 0.2349                     | 0.6418                      | 0.8767                                   | 38.4497                                                    | 50.5175                                                   |
| 6/21/2012        | 96.4531                         | 2.3203                         | 0.2178                     | 0.5581                      | 0.7759                                   | 38.4447                                                    | 50.5817                                                   |
| 6/22/2012        | 96.6105                         | 2.2258                         | 0.2174                     | 0.5605                      | 0.7779                                   | 38.3727                                                    | 50.5396                                                   |
| 6/23/2012        | 95.7812                         | 2.8277                         | 0.2086                     | 0.6062                      | 0.8147                                   | 38.6576                                                    | 50.6724                                                   |
| 6/24/2012        | 95.4506                         | 2.9901                         | 0.2265                     | 0.6341                      | 0.8606                                   | 38.7687                                                    | 50.7070                                                   |
| 6/25/2012        | 95.6307                         | 2.8724                         | 0.2457                     | 0.6236                      | 0.8693                                   | 38.6817                                                    | 50.6565                                                   |
| 6/26/2012        | 95.3299                         | 2.9887                         | 0.3062                     | 0.6914                      | 0.9976                                   | 38.7077                                                    | 50.5958                                                   |
| 6/27/2012        | 95.8059                         | 2.7311                         | 0.2572                     | 0.6750                      | 0.9322                                   | 38.5522                                                    | 50.5421                                                   |
| 6/28/2012        | 95.7076                         | 2.7000                         | 0.2773                     | 0.7238                      | 1.0012                                   | 38.5558                                                    | 50.5004                                                   |
| 6/29/2012        | 95.3115                         | 2.8680                         | 0.2639                     | 0.7426                      | 1.0066                                   | 38.7569                                                    | 50.6068                                                   |
| 6/30/2012        | 95.5719                         | 2.7755                         | 0.2591                     | 0.7377                      | 0.9968                                   | 38.6252                                                    | 50.5383                                                   |
| <b>Promedios</b> | <b>95.8151</b>                  | <b>2.7151</b>                  | <b>0.2484</b>              | <b>0.6355</b>               | <b>0.8839</b>                            | <b>38.6082</b>                                             | <b>50.6053</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 96.7259 | 3.3232 | 0.3062 | 0.8463 | 1.1463 | 38.9504                   | 50.8112           |
| <b>Mínimo</b>         | 94.7983 | 2.2258 | 0.2063 | 0.4703 | 0.7033 | 38.3727                   | 50.4669           |
| <b>Desv. Estándar</b> | 0.4887  | 0.2863 | 0.0239 | 0.0851 | 0.0993 | 0.1555                    | 0.0824            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Pandura**
**Junio**

| Día       | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|-----------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|           | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012  | 92.4551                         | 4.1959                         | 0.1100                     | 1.1680                      | 1.2780                                   | 40.0148                                                    | 50.9836                                                   |
| 6/2/2012  | 92.4561                         | 4.1960                         | 0.1100                     | 1.1680                      | 1.2780                                   | 40.0151                                                    | 50.9840                                                   |
| 6/3/2012  | 92.4561                         | 4.1960                         | 0.1100                     | 1.1680                      | 1.2780                                   | 40.0155                                                    | 50.9844                                                   |
| 6/4/2012  | 92.4301                         | 4.3950                         | 0.0760                     | 0.9870                      | 1.0630                                   | 40.2774                                                    | 51.3182                                                   |
| 6/5/2012  | 92.4542                         | 4.1969                         | 0.1100                     | 1.1670                      | 1.2770                                   | 40.0158                                                    | 50.9849                                                   |
| 6/6/2012  | 92.3812                         | 4.1936                         | 0.1099                     | 1.1650                      | 1.2750                                   | 40.0161                                                    | 50.9853                                                   |
| 6/7/2012  | 92.4533                         | 4.1978                         | 0.1100                     | 1.1660                      | 1.2759                                   | 40.0164                                                    | 50.9857                                                   |
| 6/8/2012  | 92.4529                         | 4.1980                         | 0.1100                     | 1.1660                      | 1.2760                                   | 40.0167                                                    | 50.9861                                                   |
| 6/9/2012  | 92.4530                         | 4.1990                         | 0.1100                     | 1.1650                      | 1.2750                                   | 40.0171                                                    | 50.9865                                                   |
| 6/10/2012 | 92.4533                         | 4.1988                         | 0.1100                     | 1.1650                      | 1.2749                                   | 40.0174                                                    | 50.9869                                                   |
| 6/11/2012 | 92.4533                         | 4.1988                         | 0.1100                     | 1.1650                      | 1.2749                                   | 40.0177                                                    | 50.9873                                                   |
| 6/12/2012 | 92.4542                         | 4.1999                         | 0.1090                     | 1.1640                      | 1.2730                                   | 40.0180                                                    | 50.9877                                                   |
| 6/13/2012 | 92.4542                         | 4.1999                         | 0.1090                     | 1.1640                      | 1.2730                                   | 40.0184                                                    | 50.9881                                                   |
| 6/14/2012 | 92.4542                         | 4.2009                         | 0.1090                     | 1.1630                      | 1.2720                                   | 40.0186                                                    | 50.9885                                                   |
| 6/15/2012 | 92.4541                         | 4.2009                         | 0.1090                     | 1.1630                      | 1.2720                                   | 40.0189                                                    | 50.9889                                                   |
| 6/16/2012 | 92.4542                         | 4.2019                         | 0.1090                     | 1.1620                      | 1.2710                                   | 40.0193                                                    | 50.9893                                                   |
| 6/17/2012 | 92.4542                         | 4.2019                         | 0.1090                     | 1.1620                      | 1.2710                                   | 40.0196                                                    | 50.9896                                                   |
| 6/18/2012 | 92.4634                         | 4.2023                         | 0.1090                     | 1.1621                      | 1.2711                                   | 40.0199                                                    | 50.9901                                                   |
| 6/19/2012 | 92.4625                         | 4.2033                         | 0.1090                     | 1.1621                      | 1.2711                                   | 40.0202                                                    | 50.9905                                                   |
| 6/20/2012 | 92.4532                         | 4.2029                         | 0.1090                     | 1.1610                      | 1.2700                                   | 40.0205                                                    | 50.9908                                                   |
| 6/21/2012 | 92.4514                         | 4.2038                         | 0.1090                     | 1.1609                      | 1.2699                                   | 40.0208                                                    | 50.9912                                                   |
| 6/22/2012 | 92.4523                         | 4.2038                         | 0.1090                     | 1.1600                      | 1.2689                                   | 40.0211                                                    | 50.9916                                                   |
| 6/23/2012 | 92.4551                         | 4.2040                         | 0.1090                     | 1.1600                      | 1.2690                                   | 40.0212                                                    | 50.9917                                                   |
| 6/24/2012 | 92.4505                         | 4.2047                         | 0.1090                     | 1.1599                      | 1.2689                                   | 40.0213                                                    | 50.9918                                                   |
| 6/25/2012 | 92.4505                         | 4.2047                         | 0.1090                     | 1.1599                      | 1.2689                                   | 40.0214                                                    | 50.9919                                                   |
| 6/26/2012 | 92.4542                         | 4.2049                         | 0.1080                     | 1.1590                      | 1.2670                                   | 40.0213                                                    | 50.9919                                                   |
| 6/27/2012 | 92.4533                         | 4.2058                         | 0.1080                     | 1.1590                      | 1.2669                                   | 40.0213                                                    | 50.9918                                                   |
| 6/28/2012 | 92.4635                         | 4.2063                         | 0.1080                     | 1.1591                      | 1.2671                                   | 40.0211                                                    | 50.9916                                                   |
| 6/29/2012 | 92.4635                         | 4.2063                         | 0.1080                     | 1.1581                      | 1.2661                                   | 40.0211                                                    | 50.9916                                                   |
| 6/30/2012 | 92.4645                         | 4.2063                         | 0.1080                     | 1.1581                      | 1.2661                                   | 40.0209                                                    | 50.9914                                                   |
| Promedios | 92.4521                         | 4.2077                         | 0.1081                     | 1.1569                      | 1.2650                                   | 40.0275                                                    | 50.9998                                                   |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|----------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| Máximo         | 92.4645 | 4.3950 | 0.1100 | 1.1680 | 1.2780 | 40.2774                   | 51.3182           |
| Mínimo         | 92.3812 | 4.1936 | 0.0760 | 0.9870 | 1.0630 | 40.0148                   | 50.9836           |
| Desv. Estándar | 0.0147  | 0.0356 | 0.0061 | 0.0322 | 0.0383 | 0.0473                    | 0.0602            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Valtierra**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 89.2546                         | 6.6591                         | 3.4106                     | 0.2442                      | 3.6547                                   | 38.5718                                                    | 49.4462                                                   |
| 6/2/2012         | 90.2785                         | 5.6278                         | 3.4874                     | 0.2528                      | 3.7402                                   | 38.2006                                                    | 49.1887                                                   |
| 6/3/2012         | 89.7366                         | 5.9676                         | 3.3952                     | 0.2323                      | 3.6275                                   | 38.5380                                                    | 49.4396                                                   |
| 6/4/2012         | 89.2628                         | 6.3285                         | 3.5433                     | 0.2076                      | 3.7508                                   | 38.5817                                                    | 49.4179                                                   |
| 6/5/2012         | 89.4771                         | 6.1967                         | 3.6454                     | 0.2363                      | 3.8817                                   | 38.3586                                                    | 49.2246                                                   |
| 6/6/2012         | 89.5411                         | 6.1617                         | 3.6530                     | 0.2524                      | 3.9054                                   | 38.3076                                                    | 49.1809                                                   |
| 6/7/2012         | 90.2891                         | 5.5985                         | 3.2988                     | 0.2403                      | 3.5392                                   | 38.4002                                                    | 49.3953                                                   |
| 6/8/2012         | 90.7398                         | 5.0261                         | 3.6071                     | 0.2420                      | 3.8491                                   | 38.0014                                                    | 49.0187                                                   |
| 6/9/2012         | 90.7185                         | 4.9767                         | 3.6195                     | 0.2638                      | 3.8834                                   | 37.9959                                                    | 49.0017                                                   |
| 6/10/2012        | 90.8666                         | 5.0660                         | 3.2526                     | 0.2685                      | 3.5211                                   | 38.2384                                                    | 49.3015                                                   |
| 6/11/2012        | 91.1169                         | 4.9110                         | 3.1060                     | 0.2960                      | 3.4020                                   | 38.2553                                                    | 49.3463                                                   |
| 6/12/2012        | 90.1181                         | 5.5136                         | 3.5735                     | 0.3068                      | 3.8803                                   | 38.1939                                                    | 49.1114                                                   |
| 6/13/2012        | 90.3191                         | 5.5129                         | 3.4400                     | 0.2850                      | 3.7250                                   | 38.2250                                                    | 49.1846                                                   |
| 6/14/2012        | 91.0269                         | 5.1431                         | 3.0680                     | 0.2730                      | 3.3410                                   | 38.3007                                                    | 49.4049                                                   |
| 6/15/2012        | 90.8641                         | 4.9440                         | 3.4520                     | 0.2760                      | 3.7280                                   | 38.0806                                                    | 49.1210                                                   |
| 6/16/2012        | 90.5462                         | 4.9577                         | 3.7934                     | 0.2471                      | 4.0405                                   | 37.9515                                                    | 48.9150                                                   |
| 6/17/2012        | 90.3762                         | 5.2617                         | 3.6001                     | 0.2528                      | 3.8529                                   | 38.1405                                                    | 49.1040                                                   |
| 6/18/2012        | 90.2686                         | 5.1330                         | 3.9615                     | 0.2293                      | 4.1908                                   | 37.9152                                                    | 48.8303                                                   |
| 6/19/2012        | 89.9012                         | 5.4727                         | 3.9767                     | 0.2402                      | 4.2168                                   | 38.0014                                                    | 48.8682                                                   |
| 6/20/2012        | 90.2252                         | 5.4541                         | 3.6352                     | 0.2783                      | 3.9135                                   | 38.1096                                                    | 49.0542                                                   |
| 6/21/2012        | 90.2437                         | 5.3683                         | 3.6149                     | 0.2531                      | 3.8681                                   | 38.1721                                                    | 49.1160                                                   |
| 6/22/2012        | 90.3031                         | 5.2854                         | 3.6618                     | 0.2486                      | 3.9104                                   | 38.1207                                                    | 49.0684                                                   |
| 6/23/2012        | 90.1337                         | 5.3419                         | 3.8584                     | 0.2395                      | 4.0979                                   | 38.0202                                                    | 48.9305                                                   |
| 6/24/2012        | 89.7933                         | 5.3547                         | 4.3411                     | 0.2163                      | 4.5574                                   | 37.7665                                                    | 48.5883                                                   |
| 6/25/2012        | 89.3549                         | 5.5034                         | 4.6661                     | 0.1817                      | 4.8478                                   | 37.6984                                                    | 48.4317                                                   |
| 6/26/2012        | 88.3304                         | 5.9252                         | 5.2634                     | 0.1455                      | 5.4089                                   | 37.6310                                                    | 48.1628                                                   |
| 6/27/2012        | 88.5506                         | 6.1950                         | 4.7646                     | 0.1524                      | 4.9170                                   | 37.8946                                                    | 48.5268                                                   |
| 6/28/2012        | 89.4424                         | 6.0726                         | 3.9784                     | 0.1804                      | 4.1588                                   | 38.1406                                                    | 48.9898                                                   |
| 6/29/2012        | 90.2988                         | 5.4685                         | 3.6644                     | 0.2145                      | 3.8789                                   | 38.0912                                                    | 49.0729                                                   |
| 6/30/2012        | 90.0549                         | 5.4671                         | 3.9274                     | 0.2073                      | 4.1347                                   | 37.9884                                                    | 48.9034                                                   |
| <b>Promedios</b> | <b>90.0478</b>                  | <b>5.5298</b>                  | <b>3.7420</b>              | <b>0.2388</b>               | <b>3.9808</b>                            | <b>38.1297</b>                                             | <b>49.0449</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 91.1169 | 6.6591 | 5.2634 | 0.3068 | 5.4089 | 38.5817                   | 49.4462           |
| <b>Mínimo</b>         | 88.3304 | 4.9110 | 3.0680 | 0.1455 | 3.3410 | 37.6310                   | 48.1628           |
| <b>Desv. Estándar</b> | 0.6751  | 0.4636 | 0.4816 | 0.0384 | 0.4509 | 0.2340                    | 0.3074            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Puebla**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 98.7502                         | 0.5970                         | 0.1844                     | 0.1370                      | 0.3215                                   | 38.1132                                                    | 50.7133                                                   |
| 6/2/2012         | 98.8044                         | 0.5660                         | 0.1726                     | 0.1278                      | 0.3004                                   | 38.1133                                                    | 50.7257                                                   |
| 6/3/2012         | 98.7993                         | 0.5775                         | 0.1730                     | 0.1257                      | 0.2987                                   | 38.1127                                                    | 50.7268                                                   |
| 6/4/2012         | 98.4705                         | 0.7395                         | 0.3512                     | 0.1274                      | 0.4786                                   | 38.0775                                                    | 50.6212                                                   |
| 6/5/2012         | 97.9772                         | 0.9744                         | 0.6181                     | 0.1237                      | 0.7418                                   | 38.0381                                                    | 50.4755                                                   |
| 6/6/2012         | 98.5606                         | 0.6990                         | 0.3065                     | 0.1263                      | 0.4328                                   | 38.0790                                                    | 50.6441                                                   |
| 6/7/2012         | 98.7555                         | 0.6104                         | 0.1973                     | 0.1262                      | 0.3235                                   | 38.0988                                                    | 50.7071                                                   |
| 6/8/2012         | 98.7692                         | 0.6051                         | 0.1801                     | 0.1285                      | 0.3087                                   | 38.1084                                                    | 50.7189                                                   |
| 6/9/2012         | 98.7675                         | 0.6101                         | 0.1777                     | 0.1269                      | 0.3046                                   | 38.1121                                                    | 50.7234                                                   |
| 6/10/2012        | 98.7821                         | 0.5991                         | 0.1734                     | 0.1260                      | 0.2994                                   | 38.1124                                                    | 50.7262                                                   |
| 6/11/2012        | 98.7842                         | 0.5946                         | 0.1798                     | 0.1248                      | 0.3046                                   | 38.1048                                                    | 50.7198                                                   |
| 6/12/2012        | 98.7324                         | 0.6317                         | 0.1776                     | 0.1389                      | 0.3165                                   | 38.1138                                                    | 50.7157                                                   |
| 6/13/2012        | 98.7349                         | 0.6301                         | 0.1819                     | 0.1333                      | 0.3152                                   | 38.1153                                                    | 50.7181                                                   |
| 6/14/2012        | 98.7463                         | 0.6281                         | 0.1772                     | 0.1302                      | 0.3073                                   | 38.1151                                                    | 50.7230                                                   |
| 6/15/2012        | 98.7543                         | 0.6227                         | 0.1773                     | 0.1296                      | 0.3069                                   | 38.1129                                                    | 50.7221                                                   |
| 6/16/2012        | 98.7786                         | 0.6061                         | 0.1748                     | 0.1260                      | 0.3008                                   | 38.1078                                                    | 50.7230                                                   |
| 6/17/2012        | 98.3409                         | 0.8026                         | 0.4252                     | 0.1194                      | 0.5447                                   | 38.0692                                                    | 50.5872                                                   |
| 6/18/2012        | 98.1708                         | 0.8855                         | 0.5170                     | 0.1172                      | 0.6342                                   | 38.0559                                                    | 50.5380                                                   |
| 6/19/2012        | 97.6861                         | 1.1710                         | 0.6955                     | 0.1188                      | 0.8143                                   | 38.0804                                                    | 50.4667                                                   |
| 6/20/2012        | 97.5898                         | 1.1876                         | 0.7607                     | 0.1193                      | 0.8800                                   | 38.0687                                                    | 50.4290                                                   |
| 6/21/2012        | 97.7763                         | 1.0747                         | 0.7036                     | 0.1206                      | 0.8242                                   | 38.0465                                                    | 50.4423                                                   |
| 6/22/2012        | 97.7358                         | 1.0775                         | 0.7397                     | 0.1208                      | 0.8606                                   | 38.0362                                                    | 50.4193                                                   |
| 6/23/2012        | 97.8510                         | 1.0236                         | 0.6802                     | 0.1214                      | 0.8017                                   | 38.0405                                                    | 50.4493                                                   |
| 6/24/2012        | 97.5938                         | 1.1263                         | 0.8471                     | 0.1179                      | 0.9650                                   | 37.9995                                                    | 50.3503                                                   |
| 6/25/2012        | 97.9460                         | 0.9662                         | 0.6523                     | 0.1257                      | 0.7780                                   | 38.0212                                                    | 50.4485                                                   |
| 6/26/2012        | 97.8856                         | 1.0035                         | 0.6810                     | 0.1210                      | 0.8019                                   | 38.0215                                                    | 50.4386                                                   |
| 6/27/2012        | 97.6716                         | 1.1152                         | 0.7792                     | 0.1192                      | 0.8983                                   | 38.0211                                                    | 50.3935                                                   |
| 6/28/2012        | 97.7384                         | 1.1183                         | 0.6708                     | 0.1552                      | 0.8260                                   | 38.0518                                                    | 50.4419                                                   |
| 6/29/2012        | 97.0548                         | 1.5140                         | 1.0227                     | 0.1105                      | 1.1332                                   | 38.0282                                                    | 50.2902                                                   |
| 6/30/2012        | 98.6212                         | 0.6992                         | 0.2455                     | 0.1208                      | 0.3663                                   | 38.1050                                                    | 50.6917                                                   |
| <b>Promedios</b> | <b>98.2876</b>                  | <b>0.8352</b>                  | <b>0.4341</b>              | <b>0.1255</b>               | <b>0.5597</b>                            | <b>38.0760</b>                                             | <b>50.5830</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 98.8044 | 1.5140 | 1.0227 | 0.1552 | 1.1332 | 38.1153                   | 50.7268           |
| <b>Mínimo</b>         | 97.0548 | 0.5660 | 0.1726 | 0.1105 | 0.2987 | 37.9995                   | 50.2902           |
| <b>Desv. Estándar</b> | 0.5213  | 0.2556 | 0.2722 | 0.0082 | 0.2686 | 0.0373                    | 0.1453            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Torreon**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 94.4821                         | 3.9521                         | 0.2555                     | 1.1023                      | 1.3578                                   | 38.5405                                                    | 50.2441                                                   |
| 6/2/2012         | 94.5275                         | 3.9503                         | 0.2486                     | 1.0795                      | 1.3281                                   | 38.5409                                                    | 50.2633                                                   |
| 6/3/2012         | 94.5052                         | 3.9127                         | 0.2577                     | 1.1678                      | 1.4255                                   | 38.4713                                                    | 50.1554                                                   |
| 6/4/2012         | 94.7302                         | 3.7370                         | 0.2420                     | 1.1479                      | 1.3899                                   | 38.4268                                                    | 50.1565                                                   |
| 6/5/2012         | 94.6265                         | 3.8687                         | 0.2428                     | 1.1132                      | 1.3560                                   | 38.4789                                                    | 50.2073                                                   |
| 6/6/2012         | 94.6194                         | 3.8749                         | 0.2413                     | 1.1059                      | 1.3472                                   | 38.4913                                                    | 50.2201                                                   |
| 6/7/2012         | 94.5543                         | 3.9390                         | 0.2450                     | 1.1125                      | 1.3575                                   | 38.4968                                                    | 50.2171                                                   |
| 6/8/2012         | 94.6740                         | 3.7743                         | 0.2374                     | 1.1086                      | 1.3461                                   | 38.4914                                                    | 50.2198                                                   |
| 6/9/2012         | 94.7375                         | 3.7358                         | 0.2451                     | 1.1043                      | 1.3494                                   | 38.4589                                                    | 50.2008                                                   |
| 6/10/2012        | 94.6392                         | 3.8062                         | 0.2393                     | 1.1208                      | 1.3602                                   | 38.4872                                                    | 50.2082                                                   |
| 6/11/2012        | 94.7028                         | 3.7148                         | 0.2453                     | 1.1253                      | 1.3706                                   | 38.4711                                                    | 50.1930                                                   |
| 6/12/2012        | 94.4751                         | 3.9228                         | 0.2509                     | 1.1089                      | 1.3597                                   | 38.5611                                                    | 50.2533                                                   |
| 6/13/2012        | 94.4346                         | 3.9073                         | 0.2562                     | 1.1578                      | 1.4140                                   | 38.5334                                                    | 50.2019                                                   |
| 6/14/2012        | 94.5371                         | 3.9145                         | 0.2495                     | 1.1092                      | 1.3587                                   | 38.5174                                                    | 50.2290                                                   |
| 6/15/2012        | 94.5592                         | 3.9325                         | 0.2382                     | 1.1088                      | 1.3470                                   | 38.5096                                                    | 50.2300                                                   |
| 6/16/2012        | 94.5693                         | 3.8940                         | 0.2460                     | 1.1033                      | 1.3493                                   | 38.5153                                                    | 50.2334                                                   |
| 6/17/2012        | 94.6676                         | 3.7913                         | 0.2405                     | 1.1157                      | 1.3562                                   | 38.4787                                                    | 50.2063                                                   |
| 6/18/2012        | 94.6474                         | 3.8058                         | 0.2443                     | 1.1068                      | 1.3512                                   | 38.4936                                                    | 50.2192                                                   |
| 6/19/2012        | 94.6065                         | 3.8774                         | 0.2469                     | 1.1129                      | 1.3598                                   | 38.4835                                                    | 50.2082                                                   |
| 6/20/2012        | 94.6122                         | 3.8441                         | 0.2455                     | 1.1188                      | 1.3643                                   | 38.4880                                                    | 50.2073                                                   |
| 6/21/2012        | 94.4579                         | 4.0279                         | 0.2439                     | 1.0297                      | 1.2736                                   | 38.6198                                                    | 50.3447                                                   |
| 6/22/2012        | 94.5026                         | 3.9320                         | 0.2435                     | 1.1254                      | 1.3689                                   | 38.5255                                                    | 50.2251                                                   |
| 6/23/2012        | 94.4921                         | 3.9520                         | 0.2407                     | 1.1075                      | 1.3482                                   | 38.5430                                                    | 50.2487                                                   |
| 6/24/2012        | 94.5961                         | 3.8632                         | 0.2422                     | 1.1042                      | 1.3464                                   | 38.5083                                                    | 50.2305                                                   |
| 6/25/2012        | 94.5414                         | 3.8860                         | 0.2389                     | 1.1126                      | 1.3514                                   | 38.5304                                                    | 50.2388                                                   |
| 6/26/2012        | 94.3536                         | 4.0468                         | 0.2524                     | 1.1057                      | 1.3581                                   | 38.6000                                                    | 50.2772                                                   |
| 6/27/2012        | 94.3890                         | 4.0346                         | 0.2416                     | 1.1100                      | 1.3516                                   | 38.5761                                                    | 50.2655                                                   |
| 6/28/2012        | 94.4354                         | 3.9730                         | 0.2570                     | 1.1086                      | 1.3656                                   | 38.5581                                                    | 50.2500                                                   |
| 6/29/2012        | 94.5822                         | 3.8901                         | 0.2444                     | 1.1173                      | 1.3616                                   | 38.4924                                                    | 50.2115                                                   |
| 6/30/2012        | 94.5815                         | 3.8710                         | 0.2474                     | 1.1339                      | 1.3812                                   | 38.4786                                                    | 50.1908                                                   |
| <b>Promedios</b> | <b>94.5613</b>                  | <b>3.8877</b>                  | <b>0.2457</b>              | <b>1.1128</b>               | <b>1.3585</b>                            | <b>38.5123</b>                                             | <b>50.2252</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 94.7375 | 4.0468 | 0.2577 | 1.1678 | 1.4255 | 38.6198                   | 50.3447           |
| <b>Mínimo</b>         | 94.3536 | 3.7148 | 0.2374 | 1.0297 | 1.2736 | 38.4268                   | 50.1554           |
| <b>Desv. Estándar</b> | 0.0972  | 0.0851 | 0.0056 | 0.0233 | 0.0253 | 0.0424                    | 0.0360            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Venta de Carpio 36"**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 90.2659                         | 5.5491                         | 3.4485                     | 0.3184                      | 3.7668                                   | 38.2213                                                    | 49.1961                                                   |
| 6/2/2012         | 90.7769                         | 5.1204                         | 3.3769                     | 0.3215                      | 3.6984                                   | 38.1178                                                    | 49.1389                                                   |
| 6/3/2012         | 90.3219                         | 5.3757                         | 3.2611                     | 0.2996                      | 3.5607                                   | 38.4527                                                    | 49.3996                                                   |
| 6/4/2012         | 89.7688                         | 5.7899                         | 3.4656                     | 0.2668                      | 3.7324                                   | 38.4798                                                    | 49.3492                                                   |
| 6/5/2012         | 90.0668                         | 5.6219                         | 3.5428                     | 0.3115                      | 3.8543                                   | 38.2270                                                    | 49.1385                                                   |
| 6/6/2012         | 90.1511                         | 5.5606                         | 3.4458                     | 0.3339                      | 3.7797                                   | 38.2728                                                    | 49.1924                                                   |
| 6/7/2012         | 90.0150                         | 5.7038                         | 3.4196                     | 0.2770                      | 3.6966                                   | 38.3890                                                    | 49.3093                                                   |
| 6/8/2012         | 90.0754                         | 5.2880                         | 3.8726                     | 0.3275                      | 4.2001                                   | 37.9908                                                    | 48.8463                                                   |
| 6/9/2012         | 90.1515                         | 5.3216                         | 3.6641                     | 0.3436                      | 4.0077                                   | 38.1232                                                    | 49.0035                                                   |
| 6/10/2012        | 90.4614                         | 5.3203                         | 3.2329                     | 0.3472                      | 3.5801                                   | 38.3609                                                    | 49.3269                                                   |
| 6/11/2012        | 90.6821                         | 5.1149                         | 3.2262                     | 0.3947                      | 3.6209                                   | 38.2525                                                    | 49.2348                                                   |
| 6/12/2012        | 90.6482                         | 5.0548                         | 3.3675                     | 0.3916                      | 3.7591                                   | 38.1598                                                    | 49.1212                                                   |
| 6/13/2012        | 90.8251                         | 5.1323                         | 3.1718                     | 0.3587                      | 3.5305                                   | 38.2533                                                    | 49.2828                                                   |
| 6/14/2012        | 90.7717                         | 5.1407                         | 3.2036                     | 0.3381                      | 3.5417                                   | 38.2706                                                    | 49.2927                                                   |
| 6/15/2012        | 90.4740                         | 4.9890                         | 3.6699                     | 0.3410                      | 4.0109                                   | 38.0383                                                    | 48.9521                                                   |
| 6/16/2012        | 90.2500                         | 5.0720                         | 3.8408                     | 0.3157                      | 4.1565                                   | 38.0022                                                    | 48.8739                                                   |
| 6/17/2012        | 90.1844                         | 5.2854                         | 3.6553                     | 0.3233                      | 3.9786                                   | 38.1493                                                    | 49.0359                                                   |
| 6/18/2012        | 89.9625                         | 5.3024                         | 3.9567                     | 0.2941                      | 4.2508                                   | 38.0114                                                    | 48.8441                                                   |
| 6/19/2012        | 89.6207                         | 5.2728                         | 3.9355                     | 0.2928                      | 4.2283                                   | 38.0108                                                    | 48.8443                                                   |
| 6/20/2012        | 90.0042                         | 5.3710                         | 3.8255                     | 0.3345                      | 4.1600                                   | 38.0397                                                    | 48.8936                                                   |
| 6/21/2012        | 90.0481                         | 5.4332                         | 3.6020                     | 0.3137                      | 3.9157                                   | 38.2348                                                    | 49.1157                                                   |
| 6/22/2012        | 90.0455                         | 5.3157                         | 3.7985                     | 0.3153                      | 4.1138                                   | 38.0794                                                    | 48.9384                                                   |
| 6/23/2012        | 89.9088                         | 5.3568                         | 3.9789                     | 0.3068                      | 4.2857                                   | 37.9786                                                    | 48.8071                                                   |
| 6/24/2012        | 89.5046                         | 5.4073                         | 4.4865                     | 0.2681                      | 4.7546                                   | 37.7425                                                    | 48.4754                                                   |
| 6/25/2012        | 88.9216                         | 5.6665                         | 4.8383                     | 0.2177                      | 5.0559                                   | 37.7156                                                    | 48.3430                                                   |
| 6/26/2012        | 88.0607                         | 5.9535                         | 5.4408                     | 0.1848                      | 5.6256                                   | 37.5844                                                    | 48.0326                                                   |
| 6/27/2012        | 88.6400                         | 6.3589                         | 4.4055                     | 0.2048                      | 4.6104                                   | 38.1010                                                    | 48.7652                                                   |
| 6/28/2012        | 89.5755                         | 5.9217                         | 3.8779                     | 0.2500                      | 4.1279                                   | 38.1509                                                    | 48.9902                                                   |
| 6/29/2012        | 89.9472                         | 5.4877                         | 3.8945                     | 0.2738                      | 4.1683                                   | 38.0246                                                    | 48.8923                                                   |
| 6/30/2012        | 89.9169                         | 5.5702                         | 3.8412                     | 0.2652                      | 4.1064                                   | 38.0791                                                    | 48.9532                                                   |
| <b>Promedios</b> | <b>90.0016</b>                  | <b>5.4286</b>                  | <b>3.7582</b>              | <b>0.3044</b>               | <b>4.0626</b>                            | <b>38.1171</b>                                             | <b>48.9863</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 90.8251 | 6.3589 | 5.4408 | 0.3947 | 5.6256 | 38.4798                   | 49.3996           |
| <b>Mínimo</b>         | 88.0607 | 4.9890 | 3.1718 | 0.1848 | 3.5305 | 37.5844                   | 48.0326           |
| <b>Desv. Estándar</b> | 0.6145  | 0.3047 | 0.5045 | 0.0488 | 0.4670 | 0.2020                    | 0.3050            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Venta de Carpio 30"**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 98.7439                         | 0.6195                         | 0.1718                     | 0.1372                      | 0.3090                                   | 38.1225                                                    | 50.7244                                                   |
| 6/2/2012         | 98.7528                         | 0.6093                         | 0.1719                     | 0.1385                      | 0.3104                                   | 38.1201                                                    | 50.7232                                                   |
| 6/3/2012         | 98.8192                         | 0.5658                         | 0.1657                     | 0.1260                      | 0.2917                                   | 38.1125                                                    | 50.7298                                                   |
| 6/4/2012         | 98.6795                         | 0.6529                         | 0.2304                     | 0.1244                      | 0.3547                                   | 38.1044                                                    | 50.6958                                                   |
| 6/5/2012         | 98.0849                         | 0.9361                         | 0.5504                     | 0.1236                      | 0.6739                                   | 38.0571                                                    | 50.5183                                                   |
| 6/6/2012         | 98.3690                         | 0.7905                         | 0.4113                     | 0.1237                      | 0.5351                                   | 38.0665                                                    | 50.5891                                                   |
| 6/7/2012         | 98.7465                         | 0.6213                         | 0.2039                     | 0.1240                      | 0.3278                                   | 38.0970                                                    | 50.7046                                                   |
| 6/8/2012         | 98.7856                         | 0.6017                         | 0.1774                     | 0.1259                      | 0.3032                                   | 38.1052                                                    | 50.7204                                                   |
| 6/9/2012         | 98.7840                         | 0.6066                         | 0.1726                     | 0.1244                      | 0.2970                                   | 38.1113                                                    | 50.7295                                                   |
| 6/10/2012        | 98.8009                         | 0.5954                         | 0.1636                     | 0.1249                      | 0.2885                                   | 38.1143                                                    | 50.7327                                                   |
| 6/11/2012        | 98.8267                         | 0.5747                         | 0.1597                     | 0.1231                      | 0.2828                                   | 38.1121                                                    | 50.7347                                                   |
| 6/12/2012        | 98.7700                         | 0.6074                         | 0.1748                     | 0.1311                      | 0.3059                                   | 38.1127                                                    | 50.7220                                                   |
| 6/13/2012        | 98.7283                         | 0.6400                         | 0.1814                     | 0.1327                      | 0.3142                                   | 38.1200                                                    | 50.7230                                                   |
| 6/14/2012        | 98.7698                         | 0.6142                         | 0.1678                     | 0.1304                      | 0.2982                                   | 38.1211                                                    | 50.7290                                                   |
| 6/15/2012        | 98.7717                         | 0.6174                         | 0.1679                     | 0.1272                      | 0.2951                                   | 38.1202                                                    | 50.7323                                                   |
| 6/16/2012        | 98.7883                         | 0.6046                         | 0.1655                     | 0.1269                      | 0.2924                                   | 38.1158                                                    | 50.7312                                                   |
| 6/17/2012        | 98.7184                         | 0.6284                         | 0.2208                     | 0.1217                      | 0.3424                                   | 38.1006                                                    | 50.7002                                                   |
| 6/18/2012        | 97.9292                         | 1.0157                         | 0.6328                     | 0.1119                      | 0.7447                                   | 38.0575                                                    | 50.4880                                                   |
| 6/19/2012        | 98.1611                         | 0.9313                         | 0.4747                     | 0.1173                      | 0.5920                                   | 38.0922                                                    | 50.5784                                                   |
| 6/20/2012        | 97.6414                         | 1.2089                         | 0.6885                     | 0.1173                      | 0.8058                                   | 38.1073                                                    | 50.4862                                                   |
| 6/21/2012        | 97.7123                         | 1.1232                         | 0.7237                     | 0.1180                      | 0.8417                                   | 38.0577                                                    | 50.4411                                                   |
| 6/22/2012        | 97.9013                         | 1.0286                         | 0.6263                     | 0.1202                      | 0.7466                                   | 38.0677                                                    | 50.4909                                                   |
| 6/23/2012        | 97.9390                         | 1.0030                         | 0.6150                     | 0.1196                      | 0.7346                                   | 38.0653                                                    | 50.4953                                                   |
| 6/24/2012        | 97.6708                         | 1.1133                         | 0.7761                     | 0.1166                      | 0.8928                                   | 38.0359                                                    | 50.4019                                                   |
| 6/25/2012        | 97.8850                         | 1.0116                         | 0.6724                     | 0.1209                      | 0.7932                                   | 38.0336                                                    | 50.4476                                                   |
| 6/26/2012        | 97.9997                         | 0.9593                         | 0.6140                     | 0.1207                      | 0.7347                                   | 38.0388                                                    | 50.4800                                                   |
| 6/27/2012        | 97.8116                         | 1.0697                         | 0.6918                     | 0.1186                      | 0.8104                                   | 38.0413                                                    | 50.4464                                                   |
| 6/28/2012        | 97.7707                         | 1.1524                         | 0.6290                     | 0.1288                      | 0.7578                                   | 38.0908                                                    | 50.4967                                                   |
| 6/29/2012        | 97.5962                         | 1.2025                         | 0.7787                     | 0.1164                      | 0.8951                                   | 38.0463                                                    | 50.4100                                                   |
| 6/30/2012        | 97.5907                         | 1.2063                         | 0.7818                     | 0.1158                      | 0.8976                                   | 38.0460                                                    | 50.4108                                                   |
| <b>Promedios</b> | <b>98.3183</b>                  | <b>0.8304</b>                  | <b>0.4121</b>              | <b>0.1236</b>               | <b>0.5356</b>                            | <b>38.0865</b>                                             | <b>50.6005</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 98.8267 | 1.2089 | 0.7818 | 0.1385 | 0.8976 | 38.1225                   | 50.7347           |
| <b>Mínimo</b>         | 97.5907 | 0.5658 | 0.1597 | 0.1119 | 0.2828 | 38.0336                   | 50.4019           |
| <b>Desv. Estándar</b> | 0.4812  | 0.2390 | 0.2482 | 0.0063 | 0.2436 | 0.0312                    | 0.1300            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Venta de Carpio 24"**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 90.8389                         | 8.0236                         | 0.8420                     | 0.0295                      | 0.8715                                   | 39.8927                                                    | 51.4850                                                   |
| 6/2/2012         | 90.8511                         | 7.9479                         | 0.8426                     | 0.0065                      | 0.8490                                   | 39.9294                                                    | 51.5208                                                   |
| 6/3/2012         | 90.8103                         | 7.9944                         | 0.8201                     | 0.0049                      | 0.8250                                   | 39.9600                                                    | 51.5492                                                   |
| 6/4/2012         | 90.3092                         | 8.4485                         | 0.7945                     | 0.0094                      | 0.8040                                   | 40.1395                                                    | 51.6574                                                   |
| 6/5/2012         | 90.2459                         | 8.5680                         | 0.8406                     | 0.0047                      | 0.8453                                   | 40.1007                                                    | 51.6186                                                   |
| 6/6/2012         | 90.8268                         | 5.8190                         | 2.7127                     | 0.2071                      | 2.9198                                   | 38.6121                                                    | 49.7975                                                   |
| 6/7/2012         | 90.8184                         | 5.3561                         | 3.0996                     | 0.2411                      | 3.3407                                   | 38.3528                                                    | 49.4538                                                   |
| 6/8/2012         | 90.9800                         | 5.0147                         | 3.3743                     | 0.2478                      | 3.6222                                   | 38.0874                                                    | 49.1739                                                   |
| 6/9/2012         | 91.2635                         | 4.8082                         | 3.2283                     | 0.2558                      | 3.4840                                   | 38.1213                                                    | 49.2518                                                   |
| 6/10/2012        | 91.7758                         | 4.7241                         | 2.7021                     | 0.2556                      | 2.9576                                   | 38.3615                                                    | 49.6228                                                   |
| 6/11/2012        | 91.3704                         | 4.9416                         | 2.8635                     | 0.3067                      | 3.1703                                   | 38.3217                                                    | 49.4947                                                   |
| 6/12/2012        | 91.4278                         | 4.8439                         | 2.9491                     | 0.3026                      | 3.2517                                   | 38.2425                                                    | 49.4137                                                   |
| 6/13/2012        | 91.4659                         | 4.9280                         | 2.8765                     | 0.2781                      | 3.1546                                   | 38.2873                                                    | 49.4882                                                   |
| 6/14/2012        | 91.6496                         | 4.8463                         | 2.7670                     | 0.2580                      | 3.0250                                   | 38.3300                                                    | 49.5745                                                   |
| 6/15/2012        | 91.3091                         | 4.7068                         | 3.2610                     | 0.2615                      | 3.5225                                   | 38.0916                                                    | 49.2162                                                   |
| 6/16/2012        | 91.6102                         | 4.5006                         | 3.2080                     | 0.2348                      | 3.4427                                   | 38.0558                                                    | 49.2359                                                   |
| 6/17/2012        | 92.5735                         | 4.1550                         | 2.5915                     | 0.2248                      | 2.8163                                   | 38.2089                                                    | 49.6032                                                   |
| 6/18/2012        | 91.2313                         | 4.7657                         | 3.3704                     | 0.2172                      | 3.5876                                   | 38.0582                                                    | 49.1783                                                   |
| 6/19/2012        | 91.0149                         | 5.0026                         | 3.3396                     | 0.2468                      | 3.5863                                   | 38.1114                                                    | 49.2037                                                   |
| 6/20/2012        | 90.8234                         | 5.0999                         | 3.3859                     | 0.2685                      | 3.6543                                   | 38.1283                                                    | 49.1792                                                   |
| 6/21/2012        | 90.7836                         | 5.1943                         | 3.2377                     | 0.2423                      | 3.4800                                   | 38.2935                                                    | 49.3577                                                   |
| 6/22/2012        | 90.2293                         | 5.3194                         | 3.6270                     | 0.2451                      | 3.8721                                   | 38.2046                                                    | 49.1350                                                   |
| 6/23/2012        | 90.4727                         | 5.1569                         | 3.5970                     | 0.2461                      | 3.8431                                   | 38.1347                                                    | 49.1060                                                   |
| 6/24/2012        | 91.7515                         | 4.3663                         | 3.3825                     | 0.1901                      | 3.5726                                   | 37.8891                                                    | 49.0913                                                   |
| 6/25/2012        | 90.8215                         | 4.8303                         | 3.8620                     | 0.1661                      | 4.0281                                   | 37.8516                                                    | 48.8769                                                   |
| 6/26/2012        | 90.3632                         | 5.0411                         | 4.1350                     | 0.1436                      | 4.2786                                   | 37.8144                                                    | 48.7520                                                   |
| 6/27/2012        | 90.4125                         | 5.2770                         | 3.8170                     | 0.1590                      | 3.9760                                   | 38.0047                                                    | 48.9920                                                   |
| 6/28/2012        | 91.6669                         | 5.7496                         | 2.1801                     | 0.1049                      | 2.2849                                   | 38.7462                                                    | 50.1802                                                   |
| 6/29/2012        | 94.3145                         | 4.6196                         | 0.8510                     | 0.0001                      | 0.8511                                   | 38.8991                                                    | 50.9438                                                   |
| 6/30/2012        | 93.9263                         | 4.9460                         | 0.8434                     | 0.0000                      | 0.8434                                   | 39.0342                                                    | 51.0233                                                   |
| <b>Promedios</b> | <b>91.2646</b>                  | <b>5.4998</b>                  | <b>2.6467</b>              | <b>0.1786</b>               | <b>2.8253</b>                            | <b>38.5422</b>                                             | <b>49.8059</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 94.3145 | 8.5680 | 4.1350 | 0.3067 | 4.2786 | 40.1395                   | 51.6574           |
| <b>Mínimo</b>         | 90.2293 | 4.1550 | 0.7945 | 0.0000 | 0.8040 | 37.8144                   | 48.7520           |
| <b>Desv. Estándar</b> | 0.9471  | 1.2783 | 1.0920 | 0.1052 | 1.1799 | 0.7207                    | 0.9441            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Venta de Carpio 14"**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 92.9964                         | 4.1083                         | 2.2996                     | 0.2169                      | 2.5165                                   | 38.2661                                                    | 49.7719                                                   |
| 6/2/2012         | 93.9762                         | 3.3679                         | 2.1063                     | 0.2075                      | 2.3138                                   | 38.1131                                                    | 49.7760                                                   |
| 6/3/2012         | 93.8948                         | 3.4179                         | 1.9628                     | 0.1932                      | 2.1560                                   | 38.3074                                                    | 49.9621                                                   |
| 6/4/2012         | 91.8735                         | 4.7376                         | 2.5005                     | 0.2311                      | 2.7317                                   | 38.5396                                                    | 49.8310                                                   |
| 6/5/2012         | 91.4802                         | 4.9442                         | 2.9537                     | 0.2290                      | 3.1826                                   | 38.2437                                                    | 49.4618                                                   |
| 6/6/2012         | 90.9176                         | 5.2182                         | 3.1667                     | 0.2545                      | 3.4212                                   | 38.2603                                                    | 49.3614                                                   |
| 6/7/2012         | 90.9836                         | 5.3017                         | 2.9941                     | 0.2124                      | 3.2065                                   | 38.4035                                                    | 49.5485                                                   |
| 6/8/2012         | 90.8967                         | 5.0011                         | 3.4709                     | 0.2510                      | 3.7219                                   | 38.0437                                                    | 49.1041                                                   |
| 6/9/2012         | 91.2625                         | 4.8136                         | 3.2227                     | 0.2564                      | 3.4791                                   | 38.1250                                                    | 49.2561                                                   |
| 6/10/2012        | 91.7737                         | 4.7243                         | 2.7046                     | 0.2557                      | 2.9603                                   | 38.3599                                                    | 49.6207                                                   |
| 6/11/2012        | 91.3743                         | 4.9397                         | 2.8622                     | 0.3064                      | 3.1685                                   | 38.3219                                                    | 49.4957                                                   |
| 6/12/2012        | 91.4339                         | 4.8412                         | 2.9465                     | 0.3021                      | 3.2486                                   | 38.2426                                                    | 49.4152                                                   |
| 6/13/2012        | 91.4693                         | 4.9262                         | 2.8751                     | 0.2778                      | 3.1529                                   | 38.2876                                                    | 49.4892                                                   |
| 6/14/2012        | 91.6596                         | 4.8401                         | 2.7640                     | 0.2579                      | 3.0218                                   | 38.3292                                                    | 49.5755                                                   |
| 6/15/2012        | 91.3080                         | 4.7077                         | 3.2618                     | 0.2615                      | 3.5234                                   | 38.0910                                                    | 49.2154                                                   |
| 6/16/2012        | 91.6058                         | 4.5039                         | 3.2095                     | 0.2345                      | 3.4440                                   | 38.0561                                                    | 49.2355                                                   |
| 6/17/2012        | 92.5762                         | 4.1536                         | 2.5901                     | 0.2244                      | 2.8145                                   | 38.2095                                                    | 49.6045                                                   |
| 6/18/2012        | 91.2288                         | 4.7653                         | 3.3740                     | 0.2168                      | 3.5908                                   | 38.0567                                                    | 49.1762                                                   |
| 6/19/2012        | 91.0169                         | 4.9999                         | 3.3410                     | 0.2464                      | 3.5874                                   | 38.1099                                                    | 49.2025                                                   |
| 6/20/2012        | 90.8270                         | 5.0976                         | 3.3849                     | 0.2681                      | 3.6530                                   | 38.1281                                                    | 49.1797                                                   |
| 6/21/2012        | 90.7965                         | 5.1846                         | 3.2352                     | 0.2420                      | 3.4772                                   | 38.2916                                                    | 49.3579                                                   |
| 6/22/2012        | 90.7806                         | 5.0185                         | 3.4892                     | 0.2415                      | 3.7306                                   | 38.1055                                                    | 49.1386                                                   |
| 6/23/2012        | 92.1292                         | 4.2423                         | 3.0189                     | 0.2136                      | 3.2325                                   | 38.0412                                                    | 49.3242                                                   |
| 6/24/2012        | 91.8108                         | 4.3338                         | 3.3626                     | 0.1883                      | 3.5509                                   | 37.8854                                                    | 49.0991                                                   |
| 6/25/2012        | 90.7747                         | 4.8718                         | 3.8697                     | 0.1641                      | 4.0338                                   | 37.8599                                                    | 48.8799                                                   |
| 6/26/2012        | 90.0527                         | 5.2007                         | 4.2800                     | 0.1428                      | 4.4229                                   | 37.8080                                                    | 48.6865                                                   |
| 6/27/2012        | 90.6375                         | 5.3027                         | 3.5627                     | 0.1536                      | 3.7163                                   | 38.1172                                                    | 49.1721                                                   |
| 6/28/2012        | 92.1110                         | 4.5849                         | 2.7899                     | 0.1790                      | 2.9688                                   | 38.1975                                                    | 49.5403                                                   |
| 6/29/2012        | 92.1384                         | 4.3411                         | 2.9851                     | 0.1908                      | 3.1759                                   | 38.0549                                                    | 49.3627                                                   |
| 6/30/2012        | 92.4085                         | 4.2438                         | 2.8200                     | 0.1823                      | 3.0023                                   | 38.0925                                                    | 49.4632                                                   |
| <b>Promedios</b> | <b>91.6065</b>                  | <b>4.6911</b>                  | <b>3.0468</b>              | <b>0.2267</b>               | <b>3.2735</b>                            | <b>38.1649</b>                                             | <b>49.3769</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.9762 | 5.3027 | 4.2800 | 0.3064 | 4.4229 | 38.5396                   | 49.9621           |
| <b>Mínimo</b>         | 90.0527 | 3.3679 | 1.9628 | 0.1428 | 2.1560 | 37.8080                   | 48.6865           |
| <b>Desv. Estándar</b> | 0.9001  | 0.4904 | 0.4888 | 0.0407 | 0.4824 | 0.1621                    | 0.2793            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Cempoala Sur**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 90.2796                         | 5.4502                         | 4.2002                     | 0.0132                      | 4.2134                                   | 37.8383                                                    | 48.8839                                                   |
| 6/2/2012         | 90.0029                         | 5.6863                         | 4.2159                     | 0.0107                      | 4.2266                                   | 37.9306                                                    | 48.9510                                                   |
| 6/3/2012         | 89.2769                         | 6.1772                         | 4.4675                     | 0.0097                      | 4.4772                                   | 37.9334                                                    | 48.8105                                                   |
| 6/4/2012         | 90.0527                         | 5.8750                         | 4.0051                     | 0.0180                      | 4.0231                                   | 38.0248                                                    | 49.0840                                                   |
| 6/5/2012         | 89.7543                         | 5.8383                         | 4.3333                     | 0.0134                      | 4.3467                                   | 37.9206                                                    | 48.9052                                                   |
| 6/6/2012         | 89.8315                         | 5.8588                         | 4.2338                     | 0.0124                      | 4.2462                                   | 37.9948                                                    | 49.0315                                                   |
| 6/7/2012         | 89.5568                         | 5.4521                         | 4.9274                     | 0.0140                      | 4.9413                                   | 37.5586                                                    | 48.4043                                                   |
| 6/8/2012         | 89.5784                         | 5.4580                         | 4.8966                     | 0.0132                      | 4.9098                                   | 37.6805                                                    | 48.5996                                                   |
| 6/9/2012         | 90.0900                         | 5.4010                         | 4.4374                     | 0.0145                      | 4.4518                                   | 37.7769                                                    | 48.7884                                                   |
| 6/10/2012        | 90.2132                         | 5.1845                         | 4.5294                     | 0.0166                      | 4.5460                                   | 37.6909                                                    | 48.7037                                                   |
| 6/11/2012        | 90.0133                         | 5.1463                         | 4.7719                     | 0.0132                      | 4.7851                                   | 37.5529                                                    | 48.4810                                                   |
| 6/12/2012        | 89.8322                         | 5.2203                         | 4.5128                     | 0.1068                      | 4.6196                                   | 37.7908                                                    | 48.6421                                                   |
| 6/13/2012        | 90.0047                         | 5.2097                         | 4.2510                     | 0.1390                      | 4.3900                                   | 37.9530                                                    | 48.8612                                                   |
| 6/14/2012        | 89.5868                         | 4.9842                         | 4.9503                     | 0.1254                      | 5.0757                                   | 37.6047                                                    | 48.3657                                                   |
| 6/15/2012        | 89.7463                         | 5.2903                         | 4.3189                     | 0.1947                      | 4.5137                                   | 37.9464                                                    | 48.7855                                                   |
| 6/16/2012        | 89.1025                         | 5.3780                         | 5.0100                     | 0.1218                      | 5.1318                                   | 37.7153                                                    | 48.4172                                                   |
| 6/17/2012        | 88.8160                         | 5.6137                         | 5.0992                     | 0.1207                      | 5.2199                                   | 37.6530                                                    | 48.2748                                                   |
| 6/18/2012        | 88.9178                         | 5.6255                         | 4.9479                     | 0.1518                      | 5.0997                                   | 37.7489                                                    | 48.4197                                                   |
| 6/19/2012        | 88.8664                         | 5.5808                         | 5.0368                     | 0.1467                      | 5.1835                                   | 37.7257                                                    | 48.3823                                                   |
| 6/20/2012        | 88.9452                         | 5.5023                         | 5.0106                     | 0.1256                      | 5.1361                                   | 37.7546                                                    | 48.4228                                                   |
| 6/21/2012        | 88.6987                         | 5.4137                         | 5.4514                     | 0.0965                      | 5.5478                                   | 37.4574                                                    | 48.0184                                                   |
| 6/22/2012        | 88.7183                         | 5.4949                         | 5.3255                     | 0.1187                      | 5.4442                                   | 37.6021                                                    | 48.2210                                                   |
| 6/23/2012        | 88.3756                         | 5.6853                         | 5.5305                     | 0.1023                      | 5.6327                                   | 37.5031                                                    | 48.0346                                                   |
| 6/24/2012        | 88.1630                         | 6.0730                         | 5.2918                     | 0.1246                      | 5.4163                                   | 37.7852                                                    | 48.3660                                                   |
| 6/25/2012        | 87.5313                         | 6.2834                         | 5.7419                     | 0.1141                      | 5.8559                                   | 37.6476                                                    | 48.0791                                                   |
| 6/26/2012        | 87.6760                         | 6.7684                         | 5.0789                     | 0.0989                      | 5.1779                                   | 38.0940                                                    | 48.6719                                                   |
| 6/27/2012        | 88.3850                         | 6.3134                         | 4.8501                     | 0.1002                      | 4.9503                                   | 37.9642                                                    | 48.6030                                                   |
| 6/28/2012        | 88.7021                         | 5.9576                         | 4.8636                     | 0.1179                      | 4.9815                                   | 37.9091                                                    | 48.6201                                                   |
| 6/29/2012        | 88.5695                         | 6.1544                         | 4.7850                     | 0.1159                      | 4.9009                                   | 37.9544                                                    | 48.6165                                                   |
| 6/30/2012        | 88.6656                         | 6.0620                         | 4.8257                     | 0.1130                      | 4.9387                                   | 37.9235                                                    | 48.6269                                                   |
| <b>Promedios</b> | <b>89.1984</b>                  | <b>5.6713</b>                  | <b>4.7967</b>              | <b>0.0828</b>               | <b>4.8795</b>                            | <b>37.7878</b>                                             | <b>48.5691</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 90.2796 | 6.7684 | 5.7419 | 0.1947 | 5.8559 | 38.0940                   | 49.0840           |
| <b>Mínimo</b>         | 87.5313 | 4.9842 | 4.0051 | 0.0097 | 4.0231 | 37.4574                   | 48.0184           |
| <b>Desv. Estándar</b> | 0.7622  | 0.4139 | 0.4376 | 0.0566 | 0.4663 | 0.1697                    | 0.2862            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Cempoala Centro**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 91.0915                         | 5.4133                         | 3.4141                     | 0.0230                      | 3.4370                                   | 38.0644                                                    | 49.2845                                                   |
| 6/2/2012         | 90.7797                         | 5.6693                         | 3.4496                     | 0.0203                      | 3.4699                                   | 38.1115                                                    | 49.2686                                                   |
| 6/3/2012         | 90.1351                         | 6.0593                         | 3.7191                     | 0.0183                      | 3.7374                                   | 38.1418                                                    | 49.2041                                                   |
| 6/4/2012         | 90.3684                         | 5.8361                         | 3.7244                     | 0.0215                      | 3.7459                                   | 38.0564                                                    | 49.1414                                                   |
| 6/5/2012         | 90.4895                         | 5.7583                         | 3.6712                     | 0.0221                      | 3.6933                                   | 38.0526                                                    | 49.1510                                                   |
| 6/6/2012         | 90.4661                         | 5.8661                         | 3.5861                     | 0.0191                      | 3.6052                                   | 38.1165                                                    | 49.2245                                                   |
| 6/7/2012         | 90.3837                         | 5.4625                         | 4.0803                     | 0.0227                      | 4.1031                                   | 37.8062                                                    | 48.8291                                                   |
| 6/8/2012         | 90.5762                         | 5.5061                         | 3.8360                     | 0.0239                      | 3.8598                                   | 37.9006                                                    | 48.9731                                                   |
| 6/9/2012         | 91.0327                         | 5.4350                         | 3.4412                     | 0.0246                      | 3.4658                                   | 38.0526                                                    | 49.2527                                                   |
| 6/10/2012        | 91.1215                         | 5.2527                         | 3.5377                     | 0.0272                      | 3.5649                                   | 37.9526                                                    | 49.1449                                                   |
| 6/11/2012        | 91.1405                         | 5.2042                         | 3.5677                     | 0.0271                      | 3.5948                                   | 37.9182                                                    | 49.0985                                                   |
| 6/12/2012        | 90.6690                         | 5.3663                         | 3.3338                     | 0.2268                      | 3.5606                                   | 38.2032                                                    | 49.2498                                                   |
| 6/13/2012        | 90.6005                         | 5.3386                         | 3.3315                     | 0.2478                      | 3.5793                                   | 38.2446                                                    | 49.2714                                                   |
| 6/14/2012        | 90.3149                         | 5.1848                         | 3.7813                     | 0.2514                      | 4.0327                                   | 38.0110                                                    | 48.9295                                                   |
| 6/15/2012        | 89.9703                         | 5.3094                         | 4.0284                     | 0.2238                      | 4.2522                                   | 37.9602                                                    | 48.8086                                                   |
| 6/16/2012        | 89.9082                         | 5.4737                         | 3.9264                     | 0.2325                      | 4.1589                                   | 38.0192                                                    | 48.8662                                                   |
| 6/17/2012        | 89.4681                         | 5.6488                         | 4.2628                     | 0.2021                      | 4.4649                                   | 37.9533                                                    | 48.7229                                                   |
| 6/18/2012        | 89.4820                         | 5.6870                         | 4.2118                     | 0.2242                      | 4.4360                                   | 37.9423                                                    | 48.7075                                                   |
| 6/19/2012        | 89.6384                         | 5.6750                         | 3.9943                     | 0.2443                      | 4.2385                                   | 38.0508                                                    | 48.8571                                                   |
| 6/20/2012        | 89.7496                         | 5.6492                         | 3.8512                     | 0.2219                      | 4.0731                                   | 38.1538                                                    | 48.9946                                                   |
| 6/21/2012        | 89.6541                         | 5.5676                         | 4.1033                     | 0.2163                      | 4.3196                                   | 38.0079                                                    | 48.8129                                                   |
| 6/22/2012        | 89.4377                         | 5.5688                         | 4.4122                     | 0.2043                      | 4.6165                                   | 37.8193                                                    | 48.5520                                                   |
| 6/23/2012        | 89.0345                         | 5.7249                         | 4.7505                     | 0.1734                      | 4.9238                                   | 37.7290                                                    | 48.3929                                                   |
| 6/24/2012        | 88.1756                         | 6.1269                         | 5.2076                     | 0.1351                      | 5.3427                                   | 37.6970                                                    | 48.1937                                                   |
| 6/25/2012        | 87.6535                         | 6.2862                         | 5.6061                     | 0.1232                      | 5.7293                                   | 37.5901                                                    | 47.9788                                                   |
| 6/26/2012        | 88.2036                         | 6.7159                         | 4.5671                     | 0.1382                      | 4.7053                                   | 38.1297                                                    | 48.7304                                                   |
| 6/27/2012        | 89.2307                         | 6.1514                         | 4.0934                     | 0.1718                      | 4.2652                                   | 38.1180                                                    | 48.8935                                                   |
| 6/28/2012        | 89.6064                         | 5.7912                         | 4.0316                     | 0.2017                      | 4.2333                                   | 38.0355                                                    | 48.8462                                                   |
| 6/29/2012        | 89.5157                         | 5.9599                         | 3.9436                     | 0.1948                      | 4.1384                                   | 38.1556                                                    | 48.9930                                                   |
| 6/30/2012        | 89.6715                         | 5.8697                         | 3.9017                     | 0.2051                      | 4.1068                                   | 38.1168                                                    | 48.9788                                                   |
| <b>Promedios</b> | <b>89.9190</b>                  | <b>5.6853</b>                  | <b>3.9789</b>              | <b>0.1363</b>               | <b>4.1151</b>                            | <b>38.0037</b>                                             | <b>48.9117</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 91.1405 | 6.7159 | 5.6061 | 0.2514 | 5.7293 | 38.2446                   | 49.2845           |
| <b>Mínimo</b>         | 87.6535 | 5.1848 | 3.3315 | 0.0183 | 3.4370 | 37.5901                   | 47.9788           |
| <b>Desv. Estándar</b> | 0.8808  | 0.3466 | 0.5259 | 0.0929 | 0.5559 | 0.1538                    | 0.3196            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Cempoala Norte**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 93.6852                         | 5.3006                         | 0.8968                     | 0.0543                      | 0.9511                                   | 38.9317                                                    | 50.8378                                                   |
| 6/2/2012         | 93.0034                         | 5.5730                         | 1.3050                     | 0.0459                      | 1.3509                                   | 38.8759                                                    | 50.6463                                                   |
| 6/3/2012         | 93.1627                         | 5.6865                         | 1.0368                     | 0.0470                      | 1.0838                                   | 38.9956                                                    | 50.8213                                                   |
| 6/4/2012         | 93.6089                         | 5.4463                         | 0.8283                     | 0.0597                      | 0.8880                                   | 38.9973                                                    | 50.9104                                                   |
| 6/5/2012         | 93.4432                         | 5.4571                         | 0.9882                     | 0.0554                      | 1.0436                                   | 38.9348                                                    | 50.7965                                                   |
| 6/6/2012         | 93.2309                         | 5.8447                         | 0.8188                     | 0.0465                      | 0.8654                                   | 39.1001                                                    | 50.9570                                                   |
| 6/7/2012         | 93.5466                         | 5.5306                         | 0.8128                     | 0.0551                      | 0.8679                                   | 39.0496                                                    | 50.9831                                                   |
| 6/8/2012         | 93.2712                         | 5.5775                         | 1.0315                     | 0.0518                      | 1.0834                                   | 38.9586                                                    | 50.8032                                                   |
| 6/9/2012         | 93.4476                         | 5.5255                         | 0.8879                     | 0.0506                      | 0.9384                                   | 39.0389                                                    | 50.9424                                                   |
| 6/10/2012        | 93.5859                         | 5.5074                         | 0.7767                     | 0.0558                      | 0.8325                                   | 39.0135                                                    | 50.9197                                                   |
| 6/11/2012        | 93.7662                         | 5.3471                         | 0.7559                     | 0.0590                      | 0.8149                                   | 39.0066                                                    | 50.9588                                                   |
| 6/12/2012        | 89.9340                         | 5.8104                         | 3.2161                     | 0.4686                      | 3.6847                                   | 38.3926                                                    | 49.2519                                                   |
| 6/13/2012        | 92.2629                         | 5.6692                         | 0.8297                     | 0.5359                      | 1.3656                                   | 39.3086                                                    | 50.7889                                                   |
| 6/14/2012        | 92.1745                         | 5.6845                         | 0.8469                     | 0.5616                      | 1.4085                                   | 39.2857                                                    | 50.7264                                                   |
| 6/15/2012        | 92.1401                         | 5.7513                         | 0.8980                     | 0.5136                      | 1.4116                                   | 39.2918                                                    | 50.7483                                                   |
| 6/16/2012        | 92.1339                         | 5.7725                         | 0.9031                     | 0.5278                      | 1.4309                                   | 39.2343                                                    | 50.6708                                                   |
| 6/17/2012        | 91.4671                         | 5.6857                         | 1.8037                     | 0.4368                      | 2.2405                                   | 38.9222                                                    | 50.2004                                                   |
| 6/18/2012        | 92.2351                         | 5.8722                         | 0.7585                     | 0.5593                      | 1.3178                                   | 39.3052                                                    | 50.8034                                                   |
| 6/19/2012        | 92.0736                         | 5.8510                         | 0.9071                     | 0.5402                      | 1.4473                                   | 39.2496                                                    | 50.6869                                                   |
| 6/20/2012        | 91.9563                         | 6.0079                         | 0.7590                     | 0.4802                      | 1.2392                                   | 39.4887                                                    | 50.9422                                                   |
| 6/21/2012        | 91.8637                         | 5.9033                         | 1.0373                     | 0.4830                      | 1.5203                                   | 39.2647                                                    | 50.6546                                                   |
| 6/22/2012        | 92.2170                         | 5.7959                         | 1.0038                     | 0.5117                      | 1.5155                                   | 39.1314                                                    | 50.6140                                                   |
| 6/23/2012        | 92.2206                         | 5.8316                         | 1.0884                     | 0.5005                      | 1.5890                                   | 39.0323                                                    | 50.5157                                                   |
| 6/24/2012        | 92.0356                         | 5.9100                         | 1.2034                     | 0.4620                      | 1.6654                                   | 39.0318                                                    | 50.4680                                                   |
| 6/25/2012        | 92.1442                         | 6.0282                         | 1.0188                     | 0.4359                      | 1.4547                                   | 39.1656                                                    | 50.6752                                                   |
| 6/26/2012        | 91.6583                         | 6.3437                         | 1.2506                     | 0.3875                      | 1.6381                                   | 39.1403                                                    | 50.5507                                                   |
| 6/27/2012        | 92.8254                         | 5.4981                         | 0.8384                     | 0.4751                      | 1.3135                                   | 39.0408                                                    | 50.6328                                                   |
| 6/28/2012        | 93.3435                         | 5.0067                         | 0.7632                     | 0.4993                      | 1.2625                                   | 38.9595                                                    | 50.6377                                                   |
| 6/29/2012        | 92.9535                         | 5.2537                         | 0.9002                     | 0.4635                      | 1.3637                                   | 39.0210                                                    | 50.6375                                                   |
| 6/30/2012        | 93.1431                         | 5.1798                         | 0.7516                     | 0.5130                      | 1.2646                                   | 38.9668                                                    | 50.5631                                                   |
| <b>Promedios</b> | <b>92.6178</b>                  | <b>5.6551</b>                  | <b>1.0306</b>              | <b>0.3312</b>               | <b>1.3618</b>                            | <b>39.0712</b>                                             | <b>50.6782</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 93.7662 | 6.3437 | 3.2161 | 0.5616 | 3.6847 | 39.4887                   | 50.9831           |
| <b>Mínimo</b>         | 89.9340 | 5.0067 | 0.7516 | 0.0459 | 0.8149 | 38.3926                   | 49.2519           |
| <b>Desv. Estándar</b> | 0.8586  | 0.2810 | 0.4668 | 0.2183 | 0.5382 | 0.1962                    | 0.3209            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Veracruz**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 89.1974                         | 5.5684                         | 4.5704                     | 0.0474                      | 4.6178                                   | 38.1409                                                    | 48.8200                                                   |
| 6/2/2012         | 88.7132                         | 5.8222                         | 4.5553                     | 0.0439                      | 4.5992                                   | 38.3709                                                    | 48.9649                                                   |
| 6/3/2012         | 88.4829                         | 6.0788                         | 4.7207                     | 0.0449                      | 4.7656                                   | 38.2442                                                    | 48.8199                                                   |
| 6/4/2012         | 88.7590                         | 5.9217                         | 4.8041                     | 0.0436                      | 4.8477                                   | 38.0135                                                    | 48.6487                                                   |
| 6/5/2012         | 88.5696                         | 5.9582                         | 4.7368                     | 0.0453                      | 4.7821                                   | 38.2050                                                    | 48.7894                                                   |
| 6/6/2012         | 88.7666                         | 5.7265                         | 4.9441                     | 0.0439                      | 4.9881                                   | 37.9516                                                    | 48.5519                                                   |
| 6/7/2012         | 88.5420                         | 5.3991                         | 5.5715                     | 0.0463                      | 5.6179                                   | 37.5657                                                    | 48.0547                                                   |
| 6/8/2012         | 88.6826                         | 5.4010                         | 5.4158                     | 0.0480                      | 5.4638                                   | 37.6372                                                    | 48.1619                                                   |
| 6/9/2012         | 89.0654                         | 5.2925                         | 5.1427                     | 0.0499                      | 5.1926                                   | 37.7221                                                    | 48.3265                                                   |
| 6/10/2012        | 88.9920                         | 5.1706                         | 5.3249                     | 0.0530                      | 5.3780                                   | 37.6172                                                    | 48.1847                                                   |
| 6/11/2012        | 89.4151                         | 5.0079                         | 5.0796                     | 0.0512                      | 5.1308                                   | 37.6784                                                    | 48.3257                                                   |
| 6/12/2012        | 89.7018                         | 5.0286                         | 4.8243                     | 0.0525                      | 4.8767                                   | 37.7289                                                    | 48.4635                                                   |
| 6/13/2012        | 89.6806                         | 4.9808                         | 4.8717                     | 0.0504                      | 4.9221                                   | 37.7114                                                    | 48.4340                                                   |
| 6/14/2012        | 89.4418                         | 4.7705                         | 5.3712                     | 0.0468                      | 5.4179                                   | 37.4315                                                    | 48.0570                                                   |
| 6/15/2012        | 88.1799                         | 6.1696                         | 5.0614                     | 0.0505                      | 5.1118                                   | 38.0554                                                    | 48.5607                                                   |
| 6/16/2012        | 88.7607                         | 5.2443                         | 5.5792                     | 0.0452                      | 5.6245                                   | 37.5024                                                    | 48.0140                                                   |
| 6/17/2012        | 88.4546                         | 5.5565                         | 5.5681                     | 0.0460                      | 5.6141                                   | 37.5818                                                    | 48.0665                                                   |
| 6/18/2012        | 88.4167                         | 5.4555                         | 5.7009                     | 0.0457                      | 5.7466                                   | 37.5177                                                    | 47.9723                                                   |
| 6/19/2012        | 88.3921                         | 5.3843                         | 5.7710                     | 0.0466                      | 5.8176                                   | 37.4850                                                    | 47.9226                                                   |
| 6/20/2012        | 88.5767                         | 5.3214                         | 5.6093                     | 0.0480                      | 5.6573                                   | 37.5453                                                    | 48.0256                                                   |
| 6/21/2012        | 88.5942                         | 5.2780                         | 5.7251                     | 0.0459                      | 5.7711                                   | 37.4303                                                    | 47.9091                                                   |
| 6/22/2012        | 88.2846                         | 5.3906                         | 5.8879                     | 0.0441                      | 5.9320                                   | 37.4387                                                    | 47.8476                                                   |
| 6/23/2012        | 88.0685                         | 5.6188                         | 5.8906                     | 0.0396                      | 5.9302                                   | 37.4934                                                    | 47.8828                                                   |
| 6/24/2012        | 87.3772                         | 6.1147                         | 6.0412                     | 0.0397                      | 6.0810                                   | 37.5936                                                    | 47.8816                                                   |
| 6/25/2012        | 86.7635                         | 6.3192                         | 6.4805                     | 0.0371                      | 6.5175                                   | 37.4687                                                    | 47.6271                                                   |
| 6/26/2012        | 87.3745                         | 6.7645                         | 5.3541                     | 0.0403                      | 5.3944                                   | 38.0654                                                    | 48.4514                                                   |
| 6/27/2012        | 88.2661                         | 6.1152                         | 5.1268                     | 0.0490                      | 5.1758                                   | 37.9624                                                    | 48.4786                                                   |
| 6/28/2012        | 88.0259                         | 6.0682                         | 5.3978                     | 0.0485                      | 5.4463                                   | 37.8667                                                    | 48.3079                                                   |
| 6/29/2012        | 88.1148                         | 6.2318                         | 5.1501                     | 0.0541                      | 5.2042                                   | 37.9854                                                    | 48.4795                                                   |
| 6/30/2012        | 88.3029                         | 6.0375                         | 5.2264                     | 0.0500                      | 5.2764                                   | 37.8354                                                    | 48.3604                                                   |
| <b>Promedios</b> | <b>88.5321</b>                  | <b>5.6399</b>                  | <b>5.3168</b>              | <b>0.0466</b>               | <b>5.3634</b>                            | <b>37.7615</b>                                             | <b>48.2797</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 89.7018 | 6.7645 | 6.4805 | 0.0541 | 6.5175 | 38.3709                   | 48.9649           |
| <b>Mínimo</b>         | 86.7635 | 4.7705 | 4.5553 | 0.0371 | 4.5992 | 37.4303                   | 47.6271           |
| <b>Desv. Estándar</b> | 0.6500  | 0.4751 | 0.4644 | 0.0041 | 0.4625 | 0.2759                    | 0.3410            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Matapionche**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 94.5296                         | 4.3694                         | 0.6360                     | 0.1996                      | 0.8357                                   | 38.8633                                                    | 50.8793                                                   |
| 6/2/2012         | 93.7049                         | 5.0872                         | 0.6778                     | 0.2157                      | 0.8935                                   | 39.0761                                                    | 50.9687                                                   |
| 6/3/2012         | 93.9153                         | 4.8297                         | 0.6654                     | 0.2757                      | 0.9411                                   | 38.9845                                                    | 50.8808                                                   |
| 6/4/2012         | 93.8591                         | 4.8407                         | 0.6671                     | 0.3115                      | 0.9786                                   | 38.9780                                                    | 50.8512                                                   |
| 6/5/2012         | 93.8464                         | 4.8692                         | 0.6721                     | 0.2934                      | 0.9655                                   | 38.9895                                                    | 50.8681                                                   |
| 6/6/2012         | 93.8667                         | 4.8710                         | 0.6744                     | 0.2706                      | 0.9449                                   | 38.9968                                                    | 50.8872                                                   |
| 6/7/2012         | 93.7865                         | 4.9398                         | 0.6760                     | 0.2764                      | 0.9523                                   | 39.0159                                                    | 50.8931                                                   |
| 6/8/2012         | 93.7814                         | 4.9687                         | 0.6783                     | 0.2476                      | 0.9259                                   | 39.0362                                                    | 50.9236                                                   |
| 6/9/2012         | 93.8118                         | 4.9572                         | 0.6767                     | 0.2347                      | 0.9114                                   | 39.0352                                                    | 50.9328                                                   |
| 6/10/2012        | 93.6179                         | 5.1425                         | 0.7022                     | 0.2220                      | 0.9243                                   | 39.0807                                                    | 50.9557                                                   |
| 6/11/2012        | 93.4873                         | 5.1006                         | 0.6933                     | 0.3902                      | 1.0836                                   | 39.0181                                                    | 50.8071                                                   |
| 6/12/2012        | 93.6065                         | 5.0482                         | 0.6894                     | 0.3267                      | 1.0161                                   | 39.0276                                                    | 50.8585                                                   |
| 6/13/2012        | 93.6929                         | 5.0150                         | 0.6885                     | 0.2792                      | 0.9677                                   | 39.0339                                                    | 50.8956                                                   |
| 6/14/2012        | 93.7094                         | 4.9963                         | 0.6899                     | 0.2838                      | 0.9737                                   | 39.0236                                                    | 50.8859                                                   |
| 6/15/2012        | 93.8468                         | 4.9225                         | 0.6842                     | 0.2366                      | 0.9208                                   | 39.0160                                                    | 50.9173                                                   |
| 6/16/2012        | 93.8964                         | 4.9128                         | 0.6831                     | 0.2071                      | 0.8903                                   | 39.0188                                                    | 50.9400                                                   |
| 6/17/2012        | 94.0574                         | 4.7674                         | 0.7088                     | 0.1730                      | 0.8818                                   | 38.9759                                                    | 50.9279                                                   |
| 6/18/2012        | 93.5930                         | 5.1388                         | 0.6908                     | 0.2372                      | 0.9280                                   | 39.0936                                                    | 50.9575                                                   |
| 6/19/2012        | 93.6406                         | 5.0832                         | 0.7037                     | 0.2433                      | 0.9470                                   | 39.0638                                                    | 50.9306                                                   |
| 6/20/2012        | 93.6283                         | 5.0888                         | 0.6911                     | 0.2393                      | 0.9304                                   | 39.0864                                                    | 50.9517                                                   |
| 6/21/2012        | 93.6381                         | 5.0928                         | 0.6917                     | 0.2427                      | 0.9343                                   | 39.0746                                                    | 50.9426                                                   |
| 6/22/2012        | 93.4758                         | 5.2150                         | 0.6829                     | 0.2695                      | 0.9524                                   | 39.1163                                                    | 50.9513                                                   |
| 6/23/2012        | 93.5965                         | 5.1177                         | 0.6832                     | 0.2578                      | 0.9409                                   | 39.0854                                                    | 50.9420                                                   |
| 6/24/2012        | 93.5103                         | 5.1189                         | 0.6853                     | 0.3360                      | 1.0213                                   | 39.0611                                                    | 50.8727                                                   |
| 6/25/2012        | 93.6647                         | 5.0376                         | 0.6810                     | 0.2793                      | 0.9603                                   | 39.0515                                                    | 50.9088                                                   |
| 6/26/2012        | 93.6398                         | 5.0450                         | 0.6817                     | 0.2746                      | 0.9563                                   | 39.0719                                                    | 50.9232                                                   |
| 6/27/2012        | 91.9113                         | 6.5334                         | 0.6890                     | 0.4483                      | 1.1373                                   | 39.4594                                                    | 51.0183                                                   |
| 6/28/2012        | 94.0614                         | 4.8636                         | 0.6828                     | 0.3292                      | 1.0120                                   | 38.9615                                                    | 50.7930                                                   |
| 6/29/2012        | 93.7588                         | 5.0300                         | 0.6828                     | 0.1876                      | 0.8704                                   | 39.0843                                                    | 50.9905                                                   |
| 6/30/2012        | 93.7520                         | 5.0539                         | 0.6828                     | 0.1608                      | 0.8436                                   | 39.1072                                                    | 51.0222                                                   |
| <b>Promedios</b> | <b>93.6962</b>                  | <b>5.0352</b>                  | <b>0.6831</b>              | <b>0.2650</b>               | <b>0.9480</b>                            | <b>39.0496</b>                                             | <b>50.9159</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 94.5296 | 6.5334 | 0.7088 | 0.4483 | 1.1373 | 39.4594                   | 51.0222           |
| <b>Mínimo</b>         | 91.9113 | 4.3694 | 0.6360 | 0.1608 | 0.8357 | 38.8633                   | 50.7930           |
| <b>Desv. Estándar</b> | 0.3959  | 0.3247 | 0.0132 | 0.0610 | 0.0630 | 0.0936                    | 0.0533            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad Playuela**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( NA ) | Etano<br>% VOL<br>NORMA ( 12 ) | N2<br>% VOL<br>NORMA ( 8 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 8 ) | Poder Calorifico<br>MJoules /m3<br>NORMA ( 36,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 46,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorifico                                           | I. Wobbe                                                  |
| 6/1/2012         | 99.3964                         | 0.1263                         | 0.1206                     | 0.1546                      | 0.2752                                   | 37.8790                                                    | 50.5999                                                   |
| 6/2/2012         | 99.3965                         | 0.1258                         | 0.1211                     | 0.1549                      | 0.2760                                   | 37.8781                                                    | 50.5987                                                   |
| 6/3/2012         | 99.3944                         | 0.1270                         | 0.1202                     | 0.1553                      | 0.2755                                   | 37.8798                                                    | 50.5964                                                   |
| 6/4/2012         | 99.3901                         | 0.1282                         | 0.1208                     | 0.1565                      | 0.2773                                   | 37.8808                                                    | 50.5977                                                   |
| 6/5/2012         | 99.3897                         | 0.1288                         | 0.1209                     | 0.1565                      | 0.2774                                   | 37.8806                                                    | 50.5975                                                   |
| 6/6/2012         | 99.3948                         | 0.1271                         | 0.1201                     | 0.1558                      | 0.2759                                   | 37.8788                                                    | 50.5950                                                   |
| 6/7/2012         | 99.3986                         | 0.1263                         | 0.1192                     | 0.1552                      | 0.2744                                   | 37.8776                                                    | 50.5980                                                   |
| 6/8/2012         | 99.3847                         | 0.1262                         | 0.1302                     | 0.1552                      | 0.2854                                   | 37.8782                                                    | 50.5943                                                   |
| 6/9/2012         | 99.3742                         | 0.1260                         | 0.1385                     | 0.1552                      | 0.2937                                   | 37.8790                                                    | 50.5908                                                   |
| 6/10/2012        | 99.3747                         | 0.1259                         | 0.1389                     | 0.1549                      | 0.2938                                   | 37.8782                                                    | 50.5897                                                   |
| 6/11/2012        | 99.3714                         | 0.1269                         | 0.1396                     | 0.1552                      | 0.2948                                   | 37.8792                                                    | 50.5866                                                   |
| 6/12/2012        | 99.3741                         | 0.1260                         | 0.1391                     | 0.1547                      | 0.2938                                   | 37.8786                                                    | 50.5903                                                   |
| 6/13/2012        | 99.3748                         | 0.1256                         | 0.1390                     | 0.1545                      | 0.2935                                   | 37.8785                                                    | 50.5902                                                   |
| 6/14/2012        | 99.3761                         | 0.1252                         | 0.1387                     | 0.1544                      | 0.2931                                   | 37.8779                                                    | 50.5894                                                   |
| 6/15/2012        | 99.3732                         | 0.1259                         | 0.1394                     | 0.1555                      | 0.2949                                   | 37.8777                                                    | 50.5891                                                   |
| 6/16/2012        | 99.3723                         | 0.1263                         | 0.1392                     | 0.1557                      | 0.2949                                   | 37.8782                                                    | 50.5853                                                   |
| 6/17/2012        | 99.3688                         | 0.1275                         | 0.1389                     | 0.1565                      | 0.2954                                   | 37.8802                                                    | 50.5879                                                   |
| 6/18/2012        | 99.3694                         | 0.1274                         | 0.1390                     | 0.1554                      | 0.2944                                   | 37.8804                                                    | 50.5882                                                   |
| 6/19/2012        | 99.3895                         | 0.1289                         | 0.1212                     | 0.1560                      | 0.2772                                   | 37.8809                                                    | 50.5979                                                   |
| 6/20/2012        | 99.4031                         | 0.1293                         | 0.1105                     | 0.1558                      | 0.2663                                   | 37.8804                                                    | 50.2162                                                   |
| 6/21/2012        | 99.4032                         | 0.1296                         | 0.1103                     | 0.1554                      | 0.2657                                   | 37.8811                                                    | 50.6027                                                   |
| 6/22/2012        | 99.3894                         | 0.1291                         | 0.1222                     | 0.1555                      | 0.2777                                   | 37.8803                                                    | 50.5971                                                   |
| 6/23/2012        | 99.3822                         | 0.1297                         | 0.1266                     | 0.1558                      | 0.2824                                   | 37.8817                                                    | 50.5945                                                   |
| 6/24/2012        | 99.3780                         | 0.1312                         | 0.1277                     | 0.1565                      | 0.2842                                   | 37.8830                                                    | 50.5962                                                   |
| 6/25/2012        | 99.3744                         | 0.1319                         | 0.1283                     | 0.1573                      | 0.2856                                   | 37.8833                                                    | 50.5966                                                   |
| 6/26/2012        | 99.3732                         | 0.1314                         | 0.1299                     | 0.1572                      | 0.2871                                   | 37.8832                                                    | 50.5919                                                   |
| 6/27/2012        | 99.3764                         | 0.1299                         | 0.1297                     | 0.1569                      | 0.2866                                   | 37.8816                                                    | 50.5944                                                   |
| 6/28/2012        | 99.3795                         | 0.1293                         | 0.1290                     | 0.1559                      | 0.2849                                   | 37.8813                                                    | 50.5940                                                   |
| 6/29/2012        | 99.3831                         | 0.1292                         | 0.1282                     | 0.1547                      | 0.2829                                   | 37.8808                                                    | 50.5933                                                   |
| 6/30/2012        | 99.3847                         | 0.1279                         | 0.1282                     | 0.1548                      | 0.2830                                   | 37.8797                                                    | 50.5964                                                   |
| <b>Promedios</b> | <b>99.3830</b>                  | <b>0.1279</b>                  | <b>0.1285</b>              | <b>0.1556</b>               | <b>0.2841</b>                            | <b>37.8799</b>                                             | <b>50.5812</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Sur

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorifico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 99.4032 | 0.1319 | 0.1396 | 0.1573 | 0.2954 | 37.8833                   | 50.6027           |
| <b>Mínimo</b>         | 99.3688 | 0.1252 | 0.1103 | 0.1544 | 0.2657 | 37.8776                   | 50.2162           |
| <b>Desv. Estándar</b> | 0.0105  | 0.0019 | 0.0090 | 0.0008 | 0.0089 | 0.0016                    | 0.0691            |

**AÑO 2012**
**CALIDAD DEL GAS**  
**NOM-001-SECRE-2010**
**Pto. de Calidad MAREOGRAFO**
**Junio**

| Día              | Metano<br>% VOL<br>NORMA ( 84 ) | Etano<br>% VOL<br>NORMA ( 11 ) | N2<br>% VOL<br>NORMA ( 4 ) | CO2<br>% VOL<br>NORMA ( 3 ) | Total de Inertes<br>% VOL<br>NORMA ( 4 ) | Poder Calorífico<br>MJoules /m3<br>NORMA ( 37,30 - 43,60 ) | Indice de Woobe<br>MJoules /m3<br>NORMA ( 48,20 - 53,20 ) |
|------------------|---------------------------------|--------------------------------|----------------------------|-----------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|                  | % C1                            | % C2                           | N2                         | CO2                         | CO2+N2                                   | Poder Calorífico                                           | I. Wobbe                                                  |
| 6/1/2012         | 97.5300                         | 0.3100                         | 0.1000                     | 2.0400                      | 2.1400                                   | 36.9699                                                    | 48.7121                                                   |
| 6/2/2012         | 97.5300                         | 0.3100                         | 0.1000                     | 2.0400                      | 2.1400                                   | 36.9699                                                    | 48.7121                                                   |
| 6/3/2012         | 97.5300                         | 0.3100                         | 0.1000                     | 2.0400                      | 2.1400                                   | 36.9699                                                    | 48.7121                                                   |
| 6/4/2012         | 97.5300                         | 0.3100                         | 0.1000                     | 2.0400                      | 2.1400                                   | 36.9699                                                    | 48.7121                                                   |
| 6/5/2012         | 97.5300                         | 0.3100                         | 0.1000                     | 2.0400                      | 2.1400                                   | 36.9699                                                    | 48.7121                                                   |
| 6/6/2012         | 97.5300                         | 0.3100                         | 0.1000                     | 2.0400                      | 2.1400                                   | 36.9699                                                    | 48.7121                                                   |
| 6/7/2012         | 97.5300                         | 0.3100                         | 0.1000                     | 2.0400                      | 2.1400                                   | 36.9699                                                    | 48.7121                                                   |
| 6/8/2012         | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/9/2012         | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/10/2012        | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/11/2012        | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/12/2012        | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/13/2012        | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/14/2012        | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/15/2012        | 97.4600                         | 0.3100                         | 0.1200                     | 2.0900                      | 2.2100                                   | 36.9435                                                    | 48.6774                                                   |
| 6/16/2012        | 97.5100                         | 0.2700                         | 0.1000                     | 2.1000                      | 2.2000                                   | 36.9359                                                    | 48.6674                                                   |
| 6/17/2012        | 97.5100                         | 0.2700                         | 0.1000                     | 2.1000                      | 2.2000                                   | 36.9359                                                    | 48.6674                                                   |
| 6/18/2012        | 97.5100                         | 0.2700                         | 0.1000                     | 2.1000                      | 2.2000                                   | 36.9359                                                    | 48.6674                                                   |
| 6/19/2012        | 97.5100                         | 0.2700                         | 0.1000                     | 2.1000                      | 2.2000                                   | 36.9359                                                    | 48.6674                                                   |
| 6/20/2012        | 97.5100                         | 0.2700                         | 0.1000                     | 2.1000                      | 2.2000                                   | 36.9359                                                    | 48.6674                                                   |
| 6/21/2012        | 97.5100                         | 0.2700                         | 0.1000                     | 2.1000                      | 2.2000                                   | 36.9359                                                    | 48.6674                                                   |
| 6/22/2012        | 97.5100                         | 0.2700                         | 0.1000                     | 2.1000                      | 2.2000                                   | 36.9359                                                    | 48.6674                                                   |
| 6/23/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| 6/24/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| 6/25/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| 6/26/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| 6/27/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| 6/28/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| 6/29/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| 6/30/2012        | 97.4500                         | 0.2900                         | 0.1100                     | 2.1300                      | 2.2400                                   | 36.9265                                                    | 48.6128                                                   |
| <b>Promedios</b> | <b>97.4853</b>                  | <b>0.2953</b>                  | <b>0.1080</b>              | <b>2.0913</b>               | <b>2.1993</b>                            | <b>36.9434</b>                                             | <b>48.6659</b>                                            |

\* Datos en condiciones estándar: Temp. : 288,15° K , Presion: 101,325 KPa.

Zona: Resto del País

|                       | % C1    | % C2   | N2     | CO2    | CO2+N2 | Poder Calorífico<br>MJ/m3 | I. Wobbe<br>MJ/m3 |
|-----------------------|---------|--------|--------|--------|--------|---------------------------|-------------------|
| <b>Máximo</b>         | 97.5300 | 0.3100 | 0.1200 | 2.1300 | 2.2400 | 36.9699                   | 48.7121           |
| <b>Mínimo</b>         | 97.4500 | 0.2700 | 0.1000 | 2.0400 | 2.1400 | 36.9265                   | 48.6128           |
| <b>Desv. Estándar</b> | 0.0339  | 0.0166 | 0.0085 | 0.0327 | 0.0366 | 0.0162                    | 0.0365            |