

PERMISIONARIO: Centro Nacional de Control del Gas Natural
PUNTO DE MEDICIÓN: Chihuahua
ZONA DE MEDICIÓN: RESTO DEL PAIS

| FECHA: (dd/mm/aa) | Metano (%vol) | Etano (%vol) | Nitrógeno (%vol) | Bióxido de Carbono (%vol) | Total de inertes (%vol) | Poder calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Temperatura de rocío de hidrocarburos (°K) | Humedad (mg/m ³) | Acido sulfhídrico (mg/m ³) | Oxígeno (% vol) | Azufre Total (mg/m ³) |
|----------------------|------------------|-----------------|---------------------|---------------------------------|-------------------------------|--|--------------------------------------|---|---------------------------------|--|--------------------|--------------------------------------|
| 01/12/2018 | 92.5307 | 5.1308 | 1.1502 | 0.3610 | 1.5112 | 39.2091 | 50.7292 | 229.4731 | 26.6399 | 0.1191 | N.D. | Menor a 10.8 |
| 02/12/2018 | 92.5386 | 5.1831 | 1.1676 | 0.3408 | 1.5084 | 39.1874 | 50.7232 | 228.5645 | 26.9087 | 0.1063 | | |
| 03/12/2018 | 92.1362 | 5.5313 | 1.1726 | 0.3571 | 1.5298 | 39.2991 | 50.7731 | 228.5892 | 25.7122 | 0.0955 | | |
| 04/12/2018 | 92.2244 | 5.4342 | 1.1517 | 0.3501 | 1.5018 | 39.3069 | 50.7915 | 229.2920 | 25.7892 | 0.1156 | | |
| 05/12/2018 | 92.2700 | 5.4653 | 1.2372 | 0.2933 | 1.5305 | 39.2338 | 50.7510 | 226.7370 | 25.6831 | 0.1078 | | |
| 06/12/2018 | 92.0938 | 5.5480 | 1.2274 | 0.3185 | 1.5459 | 39.3031 | 50.7771 | 228.8104 | 25.3143 | 0.1293 | | |
| 07/12/2018 | 92.2395 | 5.4073 | 1.2472 | 0.2936 | 1.5408 | 39.2620 | 50.7620 | 228.8504 | 23.2387 | 0.1019 | | |
| 08/12/2018 | 92.0782 | 5.3936 | 1.2151 | 0.3735 | 1.5887 | 39.3274 | 50.7581 | 229.8476 | 23.9995 | 0.1412 | | |
| 09/12/2018 | 92.4840 | 5.1442 | 1.2393 | 0.3881 | 1.6274 | 39.1126 | 50.6161 | 226.7677 | 25.0207 | 0.1701 | | |
| 10/12/2018 | 92.5957 | 5.0649 | 1.1956 | 0.3605 | 1.5561 | 39.1423 | 50.6714 | 227.5463 | 25.0172 | 0.1730 | | |
| 11/12/2018 | 92.8949 | 4.8453 | 1.1961 | 0.3524 | 1.5485 | 39.0349 | 50.6158 | 225.9545 | 24.6081 | 0.2283 | | |
| 12/12/2018 | 93.0113 | 4.7376 | 1.1936 | 0.3523 | 1.5459 | 39.0018 | 50.5982 | 227.7754 | 24.0867 | 0.3150 | | |
| 13/12/2018 | 92.6907 | 4.9721 | 1.2547 | 0.3416 | 1.5963 | 39.0689 | 50.6161 | 226.1958 | 22.8179 | 0.2463 | | |
| 14/12/2018 | 92.9212 | 4.6084 | 1.1738 | 0.3851 | 1.5588 | 39.0953 | 50.6369 | 230.0430 | 23.8722 | 0.2057 | | |
| 15/12/2018 | 92.6534 | 4.8673 | 1.2101 | 0.3615 | 1.5716 | 39.1591 | 50.6731 | 229.9144 | 25.6976 | 0.1551 | | |
| 16/12/2018 | 92.9959 | 4.7154 | 1.2825 | 0.3263 | 1.6087 | 38.9525 | 50.5480 | 224.8250 | 24.4709 | 0.1614 | | |
| 17/12/2018 | 92.8923 | 4.7942 | 1.4209 | 0.2639 | 1.6847 | 38.9080 | 50.5034 | 222.4928 | 24.6166 | 0.1444 | | |
| 18/12/2018 | 92.9142 | 4.7786 | 1.3733 | 0.2854 | 1.6587 | 38.9272 | 50.5208 | 223.2568 | 24.4259 | 0.1916 | | |
| 19/12/2018 | 92.1742 | 5.3054 | 1.3557 | 0.3210 | 1.6766 | 37.5882 | 50.6598 | 226.5482 | 23.1012 | 0.2129 | | |
| 20/12/2018 | 92.3425 | 5.1166 | 1.1656 | 0.3936 | 1.5591 | 39.2892 | 50.7448 | 233.4725 | 24.8849 | 0.1668 | | |
| 21/12/2018 | 92.6345 | 4.8837 | 1.0836 | 0.4103 | 1.4939 | 39.2571 | 50.7518 | 237.3581 | 27.0148 | 0.1656 | | |
| 22/12/2018 | 92.5292 | 5.0492 | 1.0974 | 0.3211 | 1.4185 | 39.3446 | 50.8563 | 246.1412 | 26.8440 | 0.1495 | | |
| 23/12/2018 | 92.3228 | 5.1446 | 1.0052 | 0.4162 | 1.4214 | 39.4438 | 50.8883 | 248.6038 | 27.3877 | 0.1970 | | |
| 24/12/2018 | 92.2397 | 5.1747 | 0.9559 | 0.4265 | 1.3823 | 39.5351 | 50.9542 | 251.1132 | 28.8650 | 0.1978 | | |
| 25/12/2018 | 93.1175 | 4.6946 | 1.1777 | 0.2669 | 1.4446 | 39.0547 | 50.6938 | 234.0666 | 29.0587 | 0.2027 | | |
| 26/12/2018 | 92.6452 | 4.9487 | 1.0337 | 0.3547 | 1.3883 | 39.3453 | 50.8621 | 245.0708 | 25.8494 | 0.1662 | | |
| 27/12/2018 | 92.7867 | 4.9482 | 1.1044 | 0.3139 | 1.4183 | 39.2063 | 50.7804 | 239.6370 | 27.5501 | 0.1698 | | |
| 28/12/2018 | 92.7774 | 4.9307 | 1.0890 | 0.3370 | 1.4260 | 39.2100 | 50.7735 | 232.4649 | 26.5620 | 0.2138 | | |
| 29/12/2018 | 92.7105 | 4.9614 | 1.1687 | 0.3266 | 1.4953 | 39.1709 | 50.7226 | 240.0128 | 24.4072 | 0.2096 | | |
| 30/12/2018 | 93.0547 | 4.7085 | 1.2504 | 0.2912 | 1.5417 | 38.9875 | 50.6064 | 227.9241 | 24.1096 | 0.1526 | | |
| 31/12/2018 | 93.0907 | 4.6076 | 1.3079 | 0.3047 | 1.6126 | 38.9280 | 50.7305 | 225.8888 | 23.5090 | 0.2003 | | |

*/ Los valores trimestrales se deberán reportar en los meses de marzo, junio, septiembre y diciembre de cada año, respecto del trimestre inmediato anterior.

| | | | | | | | | | | | | |
|-------------------|---------|--------|--------|--------|--------|---------|---------|----------|---------|--------|--|--|
| Mínimo | 92.0782 | 4.6076 | 0.9559 | 0.2639 | 1.3823 | 37.5882 | 50.5034 | 222.4928 | 22.8179 | 0.0955 | | |
| Promedios | 92.5997 | 5.0353 | 1.1905 | 0.3416 | 1.5320 | 39.1255 | 50.7126 | 231.7173 | 25.3891 | 0.1714 | | |
| Máximo | 93.1175 | 5.5480 | 1.4209 | 0.4265 | 1.6847 | 39.5351 | 50.9542 | 251.1132 | 29.0587 | 0.3150 | | |
| Desv. Est. | 0.3221 | 0.2769 | 0.1019 | 0.0420 | 0.0813 | 0.3253 | 0.1058 | 7.5328 | 1.6013 | 0.0478 | | |

Observaciones:

PERMISIONARIO: Centro Nacional de Control del Gas Natural
PUNTO DE MEDICIÓN: Chihuahua
ZONA DE MEDICIÓN: RESTO DEL PAIS

| FECHA: (dd/mm/aa) | Metano (%vol) | Etano (%vol) | Nitrógeno (%vol) | Bióxido de Carbono (%vol) | Total de inertes (%vol) | Poder calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Temperatura de rocío de hidrocarburos (°K) | Humedad (mg/m ³) | Acido sulfhídrico (mg/m ³) | Oxígeno (% vol) | Azufre Total (mg/m ³) |
|----------------------|------------------|-----------------|---------------------|---------------------------------|-------------------------------|--|--------------------------------------|---|---------------------------------|--|--------------------|--------------------------------------|
| 01/12/2018 | 92.8117 | 5.2589 | 1.1797 | 0.3967 | 1.5470 | 39.2883 | 50.7867 | 231.9835 | 29.7130 | 0.1761 | | |
| 02/12/2018 | 92.7450 | 5.3323 | 1.2122 | 0.3742 | 1.5669 | 39.2581 | 50.7789 | 230.1616 | 29.5644 | 0.1394 | | |
| 03/12/2018 | 92.4395 | 5.7880 | 1.2270 | 0.3718 | 1.5699 | 39.4082 | 50.8546 | 230.5986 | 29.1125 | 0.1519 | | |
| 04/12/2018 | 92.5975 | 5.7684 | 1.2342 | 0.3829 | 1.5393 | 39.4752 | 50.8825 | 231.4406 | 28.6656 | 0.1643 | | |
| 05/12/2018 | 92.5325 | 5.7512 | 1.2987 | 0.3459 | 1.5821 | 39.3454 | 50.8055 | 232.4726 | 27.3937 | 0.1362 | | |
| 06/12/2018 | 92.4215 | 5.9663 | 1.2545 | 0.3419 | 1.5850 | 39.4717 | 50.8712 | 234.8865 | 26.6067 | 0.1484 | | |
| 07/12/2018 | 92.4301 | 5.7725 | 1.3437 | 0.3272 | 1.5813 | 39.3646 | 50.8227 | 241.4637 | 23.6529 | 0.1366 | | |
| 08/12/2018 | 92.8587 | 5.8758 | 1.3689 | 0.4708 | 1.6453 | 39.6031 | 50.9003 | 234.4468 | 25.9702 | 0.2996 | | |
| 09/12/2018 | 92.6756 | 5.2811 | 1.2675 | 0.4050 | 1.6566 | 39.1773 | 50.6522 | 227.7997 | 28.0729 | 0.2229 | | |
| 10/12/2018 | 92.8686 | 5.3018 | 1.3148 | 0.4081 | 1.6839 | 39.2124 | 50.7183 | 231.2605 | 27.7921 | 0.2445 | | |
| 11/12/2018 | 93.4242 | 5.1356 | 1.3073 | 0.4738 | 1.6208 | 39.2763 | 50.7749 | 231.3474 | 26.3871 | 0.3310 | | |
| 12/12/2018 | 93.3505 | 4.9689 | 1.2796 | 0.3936 | 1.6029 | 39.1538 | 50.7085 | 236.0089 | 26.2792 | 0.3934 | | |
| 13/12/2018 | 92.9069 | 5.2060 | 1.3418 | 0.4449 | 1.6885 | 39.2082 | 50.6998 | 230.9698 | 25.8653 | 0.3706 | | |
| 14/12/2018 | 93.4221 | 4.9654 | 1.2595 | 0.4599 | 1.6803 | 39.2400 | 50.7343 | 231.4807 | 27.2003 | 0.2690 | | |
| 15/12/2018 | 93.0429 | 5.1498 | 1.3430 | 0.4210 | 1.6695 | 39.3055 | 50.7557 | 233.2989 | 27.5511 | 0.2143 | | |
| 16/12/2018 | 93.4574 | 4.9646 | 1.3908 | 0.4503 | 1.6486 | 39.2353 | 50.7018 | 232.4020 | 25.0588 | 0.1943 | | |
| 17/12/2018 | 93.3330 | 5.0189 | 1.4744 | 0.2922 | 1.7205 | 39.0141 | 50.5750 | 224.2741 | 27.3004 | 0.1596 | | |
| 18/12/2018 | 93.2624 | 4.9300 | 1.4659 | 0.3305 | 1.7216 | 39.0242 | 50.5877 | 226.8786 | 27.1926 | 0.2501 | | |
| 19/12/2018 | 93.4067 | 6.5906 | 1.6573 | 0.4771 | 1.8655 | 39.9212 | 51.0887 | 241.5918 | 27.5579 | 0.2878 | | |
| 20/12/2018 | 92.5531 | 5.2643 | 1.2870 | 0.4764 | 1.6434 | 39.3897 | 50.8099 | 238.8626 | 28.0457 | 0.2529 | | |
| 21/12/2018 | 92.9377 | 5.1357 | 1.1582 | 0.4529 | 1.5589 | 39.3818 | 50.8533 | 246.6354 | 30.2591 | 0.2123 | | |
| 22/12/2018 | 92.9036 | 5.3062 | 1.1732 | 0.3991 | 1.4846 | 39.5180 | 50.9511 | 247.5220 | 29.9297 | 0.1939 | | |
| 23/12/2018 | 92.6252 | 5.5351 | 1.0706 | 0.5342 | 1.5440 | 39.6740 | 51.0460 | 249.9619 | 30.9014 | 0.2529 | | |
| 24/12/2018 | 93.1668 | 5.6797 | 1.3132 | 0.7132 | 1.5097 | 40.1569 | 51.3344 | 255.5110 | 33.1935 | 0.2505 | | |
| 25/12/2018 | 93.5913 | 4.9316 | 1.3314 | 0.3471 | 1.5420 | 39.3565 | 50.8917 | 245.1112 | 32.1043 | 0.2915 | | |
| 26/12/2018 | 92.9054 | 5.1095 | 1.1149 | 0.3946 | 1.4142 | 39.4708 | 50.9458 | 248.5482 | 27.8105 | 0.1991 | | |
| 27/12/2018 | 93.2966 | 5.4410 | 1.2137 | 0.4018 | 1.4924 | 39.4329 | 50.8931 | 248.6402 | 30.0667 | 0.1993 | | |
| 28/12/2018 | 93.0882 | 5.2765 | 1.1656 | 0.4003 | 1.4658 | 39.3055 | 50.8389 | 235.7121 | 29.8976 | 0.2973 | | |
| 29/12/2018 | 93.1543 | 5.1931 | 1.2952 | 0.3843 | 1.5633 | 39.3689 | 50.8436 | 245.6735 | 26.9108 | 0.2630 | | |
| 30/12/2018 | 93.2917 | 4.9758 | 1.3265 | 0.3606 | 1.5945 | 39.1183 | 50.6965 | 232.5948 | 26.1461 | 0.1892 | | |
| 31/12/2018 | 93.0907 | 4.6076 | 1.3079 | 0.3047 | 1.6126 | 38.9281 | 50.7399 | 225.8888 | 23.5090 | 0.2003 | | |

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| | | | | | | | | | | | | |
|-------------------|---------|--------|--------|--------|--------|---------|---------|----------|---------|--------|--|--|
| Mínimo | 92.4215 | 4.6076 | 1.0706 | 0.2922 | 1.4142 | 38.9281 | 50.5750 | 224.2741 | 23.5090 | 0.1362 | | |
| Promedios | 92.9868 | 5.3381 | 1.2896 | 0.4109 | 1.6000 | 39.3576 | 50.8240 | 236.6267 | 27.9262 | 0.2288 | | |
| Máximo | 93.5913 | 6.5906 | 1.6573 | 0.7132 | 1.8655 | 40.1569 | 51.3344 | 255.5110 | 33.1935 | 0.3934 | | |
| Desv. Est. | 0.3459 | 0.4045 | 0.1138 | 0.0795 | 0.0896 | 0.2474 | 0.1504 | 8.1663 | 2.2135 | 0.0674 | | |

Observaciones:

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ZONA DE MEDICIÓN: RESTO DEL PAIS

| FECHA: (dd/mm/aa) | Metano (%vol) | Etano (%vol) | Nitrógeno (%vol) | Bióxido de Carbono (%vol) | Total de inertes (%vol) | Poder calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Temperatura de rocío de hidrocarburos (°K) | Humedad (mg/m ³) | Acido sulfhídrico (mg/m ³) | Oxígeno (% vol) | Azufre Total (mg/m ³) |
|----------------------|------------------|-----------------|---------------------|---------------------------------|-------------------------------|--|--------------------------------------|---|---------------------------------|--|--------------------|--------------------------------------|
| 01/12/2018 | 92.3755 | 4.8959 | 1.0860 | 0.3330 | 1.4614 | 39.1184 | 50.6888 | 228.3992 | 24.0959 | 0.1029 | | |
| 02/12/2018 | 92.2736 | 5.0028 | 1.1213 | 0.3058 | 1.4477 | 39.0922 | 50.6642 | 226.2498 | 24.0036 | 0.0762 | | |
| 03/12/2018 | 91.8715 | 5.3140 | 1.1055 | 0.3257 | 1.4773 | 39.1646 | 50.6982 | 226.2574 | 23.4265 | 0.0815 | | |
| 04/12/2018 | 91.8157 | 5.1417 | 1.1060 | 0.2971 | 1.4693 | 39.1539 | 50.6997 | 225.4743 | 23.7432 | 0.0909 | | |
| 05/12/2018 | 91.9317 | 5.2413 | 1.1413 | 0.2239 | 1.4389 | 39.1288 | 50.6874 | 222.4038 | 24.0677 | 0.0877 | | |
| 06/12/2018 | 91.6133 | 5.2267 | 1.1813 | 0.2907 | 1.5002 | 39.1805 | 50.6928 | 226.0818 | 23.1913 | 0.1032 | | |
| 07/12/2018 | 91.8866 | 5.2205 | 1.1834 | 0.2253 | 1.5036 | 39.2119 | 50.7262 | 224.5346 | 22.6210 | 0.0453 | | |
| 08/12/2018 | 91.4190 | 4.8474 | 1.1164 | 0.2518 | 1.5187 | 38.9758 | 50.5349 | 223.9893 | 22.3071 | 0.0922 | | |
| 09/12/2018 | 92.3111 | 4.9925 | 1.2092 | 0.3396 | 1.6061 | 39.0353 | 50.5619 | 225.0479 | 22.8065 | 0.1368 | | |
| 10/12/2018 | 92.2323 | 4.8940 | 1.1210 | 0.3035 | 1.4909 | 39.0689 | 50.5832 | 225.1918 | 23.8083 | 0.1040 | | |
| 11/12/2018 | 92.4173 | 4.5460 | 1.0296 | 0.2427 | 1.4577 | 38.7923 | 50.5038 | 218.5055 | 23.6490 | 0.1602 | | |
| 12/12/2018 | 92.7563 | 4.5367 | 1.0898 | 0.2980 | 1.4746 | 38.8323 | 50.5007 | 222.4799 | 22.7424 | 0.2351 | | |
| 13/12/2018 | 92.3815 | 4.6463 | 1.1713 | 0.2515 | 1.5535 | 38.9476 | 50.5714 | 221.1825 | 20.3483 | 0.1602 | | |
| 14/12/2018 | 92.5438 | 4.2241 | 1.1386 | 0.3469 | 1.5114 | 38.8969 | 50.4820 | 228.0686 | 21.2694 | 0.1371 | | |
| 15/12/2018 | 92.3050 | 4.4801 | 1.1454 | 0.3005 | 1.5284 | 39.0115 | 50.5540 | 225.8519 | 23.6703 | 0.1225 | | |
| 16/12/2018 | 92.5313 | 4.3813 | 1.1069 | 0.2554 | 1.5572 | 38.7381 | 50.4235 | 219.7456 | 23.4896 | 0.1268 | | |
| 17/12/2018 | 92.6225 | 4.3926 | 1.3780 | 0.2422 | 1.6540 | 38.7807 | 50.4371 | 220.2542 | 22.6802 | 0.1295 | | |
| 18/12/2018 | 92.7427 | 4.4884 | 1.3145 | 0.2276 | 1.6206 | 38.7742 | 50.4157 | 218.0134 | 21.9155 | 0.1169 | | |
| 19/12/2018 | 90.4731 | 4.4725 | 1.1428 | 0.1750 | 1.5408 | 0.0000 | 50.3234 | 206.9217 | 0.0000 | 0.0000 | | |
| 20/12/2018 | 92.2277 | 4.9876 | 1.0675 | 0.3182 | 1.5013 | 39.1168 | 50.6364 | 227.8450 | 22.5374 | 0.1281 | | |
| 21/12/2018 | 92.2649 | 4.7041 | 1.0254 | 0.3491 | 1.4311 | 39.1505 | 50.7006 | 233.4240 | 24.0405 | 0.1141 | | |
| 22/12/2018 | 92.2541 | 4.7504 | 0.9845 | 0.2159 | 1.3088 | 39.2076 | 50.7542 | 244.7038 | 24.5050 | 0.1000 | | |
| 23/12/2018 | 91.8038 | 4.8890 | 0.9558 | 0.3704 | 1.3608 | 39.2733 | 50.7209 | 247.1267 | 24.9928 | 0.1521 | | |
| 24/12/2018 | 91.2853 | 4.6825 | 0.6261 | 0.1922 | 1.2232 | 38.9349 | 50.6149 | 245.3123 | 25.8012 | 0.1598 | | |
| 25/12/2018 | 92.6809 | 4.3775 | 1.0215 | 0.1842 | 1.3500 | 38.7849 | 50.5114 | 222.5022 | 26.0577 | 0.1609 | | |
| 26/12/2018 | 92.4184 | 4.8351 | 0.9698 | 0.2821 | 1.3465 | 39.2014 | 50.7945 | 240.0102 | 24.6828 | 0.1418 | | |
| 27/12/2018 | 92.0978 | 4.5898 | 0.9773 | 0.2448 | 1.3441 | 38.9530 | 50.6310 | 225.4567 | 25.6923 | 0.1394 | | |
| 28/12/2018 | 92.3961 | 4.6265 | 0.9801 | 0.2946 | 1.3703 | 39.0660 | 50.6823 | 229.9136 | 22.4917 | 0.1341 | | |
| 29/12/2018 | 92.3681 | 4.7023 | 1.0260 | 0.2680 | 1.4104 | 38.9159 | 50.5618 | 226.2267 | 22.8104 | 0.1795 | | |
| 30/12/2018 | 92.8105 | 4.5332 | 1.1078 | 0.2649 | 1.4684 | 38.9033 | 50.5528 | 224.5009 | 21.9758 | 0.1229 | | |
| 31/12/2018 | 93.0907 | 4.6076 | 1.3079 | 0.3047 | 1.6126 | 38.9280 | 50.5136 | 225.8888 | 23.5090 | 0.2003 | | |

*/ Los valores trimestrales se deberán reportar en los meses de marzo, junio, septiembre y diciembre de cada año, respecto del trimestre inmediato anterior.

| | | | | | | | | | | | | |
|-------------------|---------|--------|--------|--------|--------|---------|---------|----------|---------|--------|--|--|
| Mínimo | 90.4731 | 4.2241 | 0.6261 | 0.1750 | 1.2232 | 0.0000 | 50.3234 | 206.9217 | 0.0000 | 0.0000 | | |
| Promedios | 92.2001 | 4.7494 | 1.0948 | 0.2750 | 1.4690 | 37.7529 | 50.5943 | 226.6956 | 22.6752 | 0.1239 | | |
| Máximo | 93.0907 | 5.3140 | 1.3780 | 0.3704 | 1.6540 | 39.2733 | 50.7945 | 247.1267 | 26.0577 | 0.2351 | | |
| Desv. Est. | 0.5176 | 0.2905 | 0.1333 | 0.0508 | 0.0978 | 7.0083 | 0.1137 | 8.2904 | 4.3972 | 0.0445 | | |

Observaciones: