

COMISIÓN ESTATAL DE SERVICIOS PÚBLICOS DE MEXICALI
SUBDIRECCIÓN AGUA Y SANEAMIENTO
DEPARTAMENTO DE CONTROL DE PROCESOS
RESUMEN DE ANÁLISIS FÍSICOQUÍMICOS DE AFLUENTE Y EFLUENTE DE PTARS

Sistema: PTAR Poblado Oaxaca Valle Mxli.
Capacidad de diseño: 12 Ips
Gasto promedio anual

Año de Construcción: 2012 Sitio de descarga: Dren dos tubos
Población beneficiada: Tipo de Tratamiento: Lagunas Lodos Activados

| FECHA | No. De Muestra | DESCRIPCIÓN DEL SITIO | Gasto Ips | pH U-pH | TEMP. AMB. °C | TEMP. AGUA Compuesta °C | TEMP. AGUA Simple °C | TURBIEDAD U.T.N. | CONDUCTIVIDAD µhoms / cm | MATERIA FLOTANTE | COLOR APARENTE U Pt-Co | OXIGENO DISUELTO ppm | ARSENICO ppm | CADMIO ppm | CIANURO ppm | CROMO ppm | COBRE ppm | MERCURIO ppm | NIQUEL ppm | PLOMO ppm | ZINC ppm | DBO5 ppm | DQO ppm | GRASAS Y ACEITES ppm | S. SED. ppm | S.S.T. ppm | FÓSFORO TOTAL ppm | NITRÓGENO AMONIACAL ppm | NITRÓGENO KJELDAHL ppm | NITRATOS ppm | NITRITOS ppm | NITRÓGENO TOTAL ppm | COLIFORMES TOTALES NMP/100 ml | COLIFORMES FECALES NMP/100 ml | HUEVOS DE HELMINTO Huevos/l |
|---------------------------|----------------|------------------------------|--------------|------------|------------------|-------------------------------|----------------------------|---------------------|--------------------------------|---------------------|------------------------------|----------------------------|-----------------|---------------|----------------|--------------|--------------|-----------------|---------------|--------------|-------------|-------------|------------|----------------------------|----------------|---------------|----------------------|-------------------------------|------------------------------|-----------------|-----------------|---------------------------|-------------------------------------|-------------------------------------|-----------------------------------|
| LMP NOM 001 SEMARNAT-1996 | | | | 6 A 10 | | 40 | 40 | | | AUSENTE | | 0.20 | 0.20 | 2.00 | 1.00 | 6.00 | 0.010 | 4 | 0.40 | 20 | 150 | | 25 | 2 ml/l | 125 | 30 | | | | | 60 | | 2000 | 5 | |
| 30 y 31-Ene-17 | 0122 | Efluente general PTAR OAXACA | | 8.00 | 16 | 9 | 18 | 89 | 1978 | AUSENTE | NA | 8.72 | <0.010 | <0.050 | 0.076 | <0.050 | <0.020 | <0.005 | <0.050 | 0.061 | 0.086 | <1.22 | 182.4 | 9.46 | <0.1 | 108 | 5.24 | 25.01 | 36.21 | 7.6572 | 1.523 | 45.3902 | NA | 5.62E+00 | <1 |
| 08 y 09-Feb-17 | 0183 | Efluente general PTAR OAXACA | | 7.79 | 24 | 15 | 21 | 126 | 1989 | AUSENTE | NA | 11.57 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | 0.060 | 0.060 | 0.098 | 2.67 | 214.69 | <9.0 | 0.2 | 102 | 5.36 | 23.33 | 35.27 | 4.0323 | 0.7957 | 40.0980 | NA | <3 | <1 |
| 27 y 28-Feb-17 | 0281 | Efluente general PTAR OAXACA | | 7.38 | 19 | 11 | 20 | 156 | 1808 | AUSENTE | NA | 13.19 | <0.010 | <0.050 | 0.177 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 1.37 | 170.24 | 14.11 | <0.1 | 106.66 | 5.64 | 8.21 | 16.42 | 22.23 | 2.92 | 41.5669 | NA | <3 | <1 |
| 20 y 21-Mzo-17 | 0390 | Efluente general PTAR OAXACA | | 7.62 | 28 | 18 | 25 | 108 | 1621 | AUSENTE | NA | 6.69 | <0.010 | <0.050 | 0.111 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.099 | 9.15 | 134.4 | <9.0 | <0.1 | 56 | 5.44 | 7.09 | 14.18 | 5.3375 | 7.04 | 26.5603 | NA | <3 | <1 |
| 26 y 27-Abr-17 | 0546 | Efluente general PTAR OAXACA | | 7.76 | 28 | 20 | 27 | 68 | 1660 | AUSENTE | NA | 8.52 | NA | NA | 0.103 | NA | NA | 0.000172 | NA | NA | NA | 5.05 | 96 | <9.0 | <0.1 | 34 | 5.25 | 12.13 | 18.1 | 4.0086 | 7.211 | 29.3196 | NA | <3 | <1 |
| 24 y 25-May-17 | 0713 | Efluente general PTAR OAXACA | | 7.56 | 31 | 19 | 29 | 56 | 1855 | AUSENTE | NA | 11.57 | 0.00139 | 0.00015 | <0.010 | 0.0067 | 0.0064 | 0.000098 | 0.00015 | 0.00154 | 0.0379 | 3.05 | 115.2 | <9.0 | <0.1 | 32 | 5.75 | 9.52 | 14.74 | 2.1181 | 0.0422 | 16.9003 | NA | <3 | <1 |
| 29 y 30-May-17 | 0730 | Efluente general PTAR OAXACA | | 7.74 | 33 | 25 | 30 | 45 | 1741 | AUSENTE | NA | 6.90 | 0.00139 | 0.00015 | 0.086 | 0.005 | 0.0314 | 0.000251 | 0.0066 | 0.00154 | 0.0425 | <1.22 | 96.00 | <9.0 | <0.1 | 66 | 5.11 | 1.86 | 7.27 | 12.3063 | 4.1641 | 23.7404 | NA | 1.34E+01 | <1 |
| 21 y 22-Jun-17 | 0863 | Efluente general PTAR OAXACA | | 7.85 | 36 | 30 | 33 | 65 | 1648 | AUSENTE | NA | 6.90 | NA | NA | 0.128 | NA | NA | NA | NA | NA | NA | 18.3 | 120.00 | 9.02 | 0.1 | 64 | 3.41 | 3.17 | 11.01 | 5.0004 | 10.5662 | 26.5766 | NA | <3 | <1 |
| 27 y 28-Jul-17 | 1004 | Efluente general PTAR OAXACA | | 7.77 | 37 | 30 | 33 | 52 | 1747 | AUSENTE | NA | 9.13 | <0.025 | <0.050 | 0.086 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.025 | 3.05 | 100.8 | <9.0 | 0.1 | 52.50 | 4.65 | 12.50 | 19.59 | 3.3864 | 5.267 | 28.2434 | NA | <3 | <1 |
| 16 y 17-Ago-17 | 1096 | Efluente general PTAR OAXACA | | 7.70 | 30 | 26 | 33 | 77 | 1742 | AUSENTE | NA | 6.90 | <0.025 | <0.050 | 0.867 | <0.050 | 0.023 | <0.005 | <0.050 | <0.050 | 0.124 | 40.60 | 99.28 | 9.03 | <0.1 | 68 | 3.85 | <0.20 | 5.6 | 1.1933 | 9.817 | 16.6103 | NA | 1.57E+01 | <1 |
| 23 y 24-Ago-17 | 1129 | Efluente general PTAR OAXACA | | 7.66 | 32 | 27 | 33 | 34 | 1726 | AUSENTE | NA | 7.71 | <0.025 | <0.050 | 0.101 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.057 | 12.20 | <50 | <9.0 | <0.1 | 30 | 4.32 | 4.48 | 8.21 | 1.9138 | 0.963 | 11.0868 | NA | 7.80E+00 | <1 |
| 06 y 07-Sep-17 | 1196 | Efluente general PTAR OAXACA | | 7.82 | 33 | 29 | 33 | 34 | 1782 | AUSENTE | NA | ND | <0.025 | <0.050 | 0.083 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.029 | 24.33 | 72.72 | <9.0 | <0.1 | 20 | 3.26 | 11.2 | 15.12 | 1.0509 | 4.842 | 21.0129 | NA | 1.29E+02 | <1 |
| 11 y 12-Oct-17 | 1365 | Efluente general PTAR OAXACA | | 7.82 | 30 | 21 | 28 | 51 | 1886 | AUSENTE | NA | 9.13 | <0.025 | <0.050 | 0.042 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.051 | 2.05 | 140.35 | <9.0 | <0.1 | 44 | 4.44 | 21.09 | 28.55 | 0.8062 | 2.223 | 31.5792 | NA | <3 | <1 |
| 01 y 02-Nov-17 | 1447 | Efluente general PTAR OAXACA | | 7.80 | 23 | 19 | 26 | 51 | 2030 | AUSENTE | NA | 7.51 | <0.025 | <0.050 | 0.067 | <0.050 | <0.020 | <0.005 | <0.050 | 0.055 | 0.060 | 5.05 | 110.4 | <9.0 | <0.1 | 58 | 4.60 | 19.6 | 27.44 | 2.0761 | 4.936 | 34.4521 | NA | <3 | <1 |
| 22 y 23-Nov-17 | 1544 | Efluente general PTAR OAXACA | | 7.95 | 25 | 17 | 24 | 92 | 2030 | AUSENTE | NA | 6.90 | <0.025 | <0.050 | 0.011 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.052 | 16.2 | 131.31 | <9.0 | <0.1 | 36 | 4.63 | 31.73 | 37.14 | 0.1283 | 0.455 | 37.7233 | NA | <3 | <1 |
| 20 y 21-Dic-17 | 1670 | Efluente general PTAR OAXACA | | 7.96 | 16 | 9 | 19 | 97 | 1880 | AUSENTE | NA | 9.94 | <0.025 | <0.050 | <0.010 | <0.050 | 0.026 | <0.005 | <0.050 | <0.050 | 0.108 | 15.20 | PEND | <9.0 | <0.1 | 74 | 4.10 | 30.8 | 38.64 | 0.1644 | 0.285 | 39.0894 | NA | <3 | <1 |
| Efluente | | Maximo | | 8.00 | 37.00 | 30.00 | 33.00 | 156.00 | 2030.00 | 0.00 | 0.00 | 13.19 | 0.00 | 0.00 | 0.87 | 0.01 | 0.03 | 0.00 | 0.06 | 0.06 | 0.12 | 40.60 | 214.69 | 14.11 | 0.20 | 108.00 | 5.75 | 31.73 | 38.64 | 22.23 | 10.57 | 45.39 | 0.00E+00 | 1.29E+02 | 0.00 |
| | | Promedio | | 7.76 | 27.56 | 20.31 | 27.00 | 75.06 | 1820.19 | #DIV/0! | #DIV/0! | 8.75 | 0.00 | 0.00 | 0.15 | 0.01 | 0.02 | 0.00 | 0.02 | 0.04 | 0.07 | 11.31 | 127.41 | 10.40 | 0.13 | 59.45 | 4.69 | 14.78 | 20.84 | 4.59 | 3.94 | 29.37 | #DIV/0! | 3.43E+01 | #DIV/0! |
| | | Minimo | | 7.38 | 16 | 9 | 18 | 34 | 1621 | 0 | 0 | 6.69 | 0.00139 | 0.00015 | 0.011 | 0.005 | 0.0064 | 0.000098 | 0.00015 | 0.00154 | 0.025 | 1.37 | 72.72 | 9.02 | 0.1 | 20 | 3.26 | 1.86 | 5.6 | 0.1283 | 0.0422 | 11.0868 | 0.00E+00 | 5.62E+00 | 0 |

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Sistema: PTAR SAN FELIPE
 Capacidad de diseño: 120 lps
 Gasto promedio anual:

Año de rehabilitación:
 Población beneficiada:

2008

Sitio de descarga: Suelo para riego de áreas Verdes. Coordenadas, Longitud 114° 50' 40.83"; Latitud 30° 57' 50.19"
 Tipo de Tratamiento: Lagunas Aireadas Mezcla Parcial

| FECHA | No. De Muestra | DESCRIPCIÓN DEL SITIO | Gasto lps | pH | TEMP. AMB. °C | TEMP. AGUA Compuesta °C | TEMP. AGUA Simple °C | TURBIEDAD U.T.N. | CONDUCTIVIDAD μmhos / cm | MATERIA FLOTEANTE | COLOR APARENTE U. Pt-Co | OXIGENO DISUELTUO ppm | ARSENICO ppm | CADMIO ppm | CIANURO ppm | CROMO ppm | COBRE ppm | MERCURIO ppm | NIQUEL ppm | PLOMO ppm | ZINC ppm | DBOS ppm | DOO ppm | GRASAS Y ACEITES ppm | S. SED. ppm | S.S.T. ppm | FOSFORO TOTAL ppm | NITRÓGENO AMONIACAL ppm | NITRÓGENO KJELDAHL ppm | NITRATOS ppm | NITRITOS ppm | NITRÓGENO TOTAL ppm | COLIFORMES TOTALES NMP/100 ml | COLIFORMES FECALES NMP/100 ml | HUEVOS DE HELMINTO Huevos/l | |
|---------------------------|----------------|-----------------------|-----------|--------|---------------|-------------------------|----------------------|------------------|--------------------------|-------------------|-------------------------|-----------------------|--------------|------------|-------------|-----------|-----------|--------------|------------|-----------|----------|----------|---------|----------------------|-------------|------------|-------------------|-------------------------|------------------------|--------------|--------------|---------------------|-------------------------------|-------------------------------|-----------------------------|---------|
| LMP NOM 001 SEMARNAT-1996 | | | | 6 A 10 | | 40 | 40 | | | Ausente | | 0.20 | 0.20 | 2.00 | 1.00 | 6.00 | 0.010 | 2 | 0.40 | 20 | 150 | 200 | 25 | 2 mL | 125 | 30 | | | | 60 | | | 2000 | 5 | | |
| 17-Ene-17 | 0047 | Afluente General | | 7.05 | 20 | NA | 26 | 53 | 3440 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 149.00 | 335 | 14.85 | 2.0 | 66 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 16 y 17-Ene-17 | 0054 | Efluente General | | 7.87 | 20 | 12 | 17 | 49 | 2550 | Ausente | NA | 4.26 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.05 | 21.67 | 159.6 | <9.0 | <0.1 | 56 | 5.74 | 35.84 | 44.42 | 0.1461 | 0.1020 | 44.6681 | NA | <3 | <1 | |
| 23 y 24-Ene-17 | 0088 | Efluente General | | 7.82 | 17 | 10 | 17 | 37 | 2600 | Ausente | NA | 4.67 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.035 | 4.05 | 172.8 | <9.0 | <0.1 | 52.0 | 5.99 | 37.33 | 45.73 | 0.2325 | 0.1156 | 46.0781 | NA | <3 | <1 | |
| 14-feb-17 | 0200 | Afluente General | | 7.20 | 21 | NA | 26 | 53 | 3030 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 101.33 | 313 | 23.54 | 1.5 | 108.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 13 y 14-Feb-17 | 0207 | Efluente General | | 8.01 | 21 | 14 | 19 | 54 | 2460 | Ausente | NA | 6.09 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | 0.051 | <0.050 | <0.020 | 17.25 | 182.72 | <9.0 | <0.1 | 80.0 | 5.96 | 37.14 | 46.84 | 0.1033 | 0.1096 | 47.0529 | NA | <3 | <1 | |
| 13 y 14-Mzo-17 | 0350 | Afluente General | | 7.28 | 29 | 25 | 29 | 141 | 2600 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 169.33 | 436 | 13.27 | 1.0 | 167.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 13 y 14-Mzo-17 | 0357 | Efluente General | | 7.93 | 29 | 20 | 23 | 49 | 2220 | Ausente | NA | 2.43 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.023 | 24.33 | 211.2 | <9.0 | <0.1 | 68 | 5.24 | 36.96 | 46.29 | 0.1208 | 0.1200 | 46.5308 | NA | <3 | <1 | |
| 24 y 25-Abr-17 | 0529 | Afluente General | | 7.61 | 28 | 26 | 30 | 141 | 2130 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 155.33 | 399 | 15.48 | 1.8 | 200 | NA | 30.52 | 41.72 | NA | NA | NA | NA | NA | NA | NA | |
| 24 y 25-Abr-17 | 0536 | Efluente General | | 7.82 | 30 | 22 | 26 | 80 | 2510 | Ausente | NA | 0.20 | NA | NA | NA | NA | NA | 0.0005 | NA | NA | NA | 60.90 | 225.6 | <9.0 | <0.1 | 84 | 6.72 | 36.65 | 48.53 | 0.2292 | 0.1953 | 48.9545 | NA | 1.14E+02 | <1 | |
| 08 y 09-May-17 | 0624 | Afluente General | | 7.42 | 19 | 18 | 27 | 177 | 2200 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 192.50 | 474 | 44.60 | 2.3 | 256.66 | NA | 34.16 | 45.92 | NA | NA | NA | NA | NA | NA | NA | |
| 08 y 09-May-17 | 0631 | Efluente General | | 7.77 | 19 | 12 | 21 | 123 | 2600 | Ausente | NA | 2.03 | 0.00139 | 0.00015 | <0.010 | 0.0049 | 0.00022 | 0.0005 | 0.00015 | 0.00154 | 0.0141 | 50.80 | 253.12 | <9.0 | <0.1 | 116 | 7.02 | 36.59 | 51.15 | 0.2336 | 0.1541 | 51.5377 | NA | <3 | <1 | |
| 15 y 16-May-17 | 0659 | Efluente General | | 7.85 | 24 | 19 | 24 | 138 | 2540 | Ausente | NA | 2.44 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.000112 | 0.00015 | 0.00154 | 0.0102 | 40.60 | 248.35 | <9.0 | <0.1 | 96 | 6.28 | 34.72 | 47.22 | 0.2204 | 0.2717 | 47.7121 | NA | 3.30E+00 | <1 | |
| 12 y 13-Jun-17 | 0801 | Afluente General | | 7.40 | 32 | 27 | 34 | 133 | 2450 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 294 | 468 | 23.3 | 1.5 | 142.5 | NA | 34.16 | 43.4 | NA | NA | NA | NA | NA | NA | |
| 12 y 13-Jun-17 | 0808 | Efluente General | | 7.87 | 32 | 24 | 28 | 103 | 2550 | Ausente | NA | 4.26 | NA | NA | NA | 0.000027 | NA | NA | NA | NA | NA | 46.7 | 259.2 | <9.0 | 0.5 | 112 | 4.51 | 30.24 | 43.86 | 0.2401 | 0.1976 | 44.2977 | NA | <3 | <1 | |
| 10 y 11-Jul-17 | 0917 | Afluente General | | 7.44 | 34 | 31 | 35 | 126 | 2400 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 196.33 | 506 | 11.13 | 3.0 | 204 | NA | 33.60 | 50.68 | NA | NA | NA | NA | NA | NA | NA | NA |
| 10 y 11-Jul-17 | 0924 | Efluente General | | 7.97 | 35 | 26 | 31 | 83 | 2560 | Ausente | NA | 1.01 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | 0.000073 | <0.050 | <0.050 | 0.022 | 64.90 | 221.84 | <9.0 | <0.1 | 84 | 5.48 | 28.74 | 42.55 | 0.2022 | 0.1976 | 42.9498 | NA | 9.97E+01 | <1 | |
| 17 y 18-Jul-17 | 0950 | Efluente General | | 7.81 | 35 | 27 | 32 | 82 | 2560 | Ausente | NA | 1.42 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.039 | 69.00 | 228.10 | <9.0 | <0.1 | 84 | 5.70 | 30.61 | 42.74 | 0.0136 | 0.053 | 42.8066 | NA | 3.39E+03 | <1 | |
| 07 y 08-Ago-17 | 1046 | Afluente General | | 7.46 | 31 | 32 | 35 | 105 | 3050 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 155.33 | 451 | 11.84 | 2.5 | 212.5 | NA | 33.04 | 45.92 | NA | NA | NA | NA | NA | NA | NA | |
| 07 y 08-Ago-17 | 1054 | Efluente General | | 7.78 | 33 | 28 | 32 | 91 | 2770 | Ausente | NA | 0.61 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | 0.05 | <0.050 | 0.021 | 32.40 | 172.8 | <9.0 | <0.1 | 64 | 5.94 | 31.17 | 40.87 | 0.1177 | 0.119 | 41.1067 | NA | 1.03E+02 | <1 | |
| 11 y 12-Sep-17 | 1205 | Afluente General | | 7.30 | 35 | 33 | 35 | 60 | 2610 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 203.00 | 356 | 10.92 | 2.8 | 108 | NA | 31.92 | 43.4 | NA | NA | NA | NA | NA | NA | NA | |
| 11 y 12-Sep-17 | 1212 | Efluente General | | 7.93 | 35 | 27 | 31 | 78 | 2680 | Ausente | NA | 1.22 | <0.025 | <0.050 | 0.11 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 32.47 | 174.52 | <9.0 | <0.1 | 56 | 4.43 | 27.62 | 35.83 | 0.2324 | 0.191 | 36.0624 | NA | <3 | <1 | |
| 09 y 10-Oct-17 | 1346 | Afluente General | | 7.22 | 34 | 28 | 33 | 192 | 2700 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 142.33 | 366 | 33.72 | 1.8 | 102 | NA | 31.36 | 41.72 | NA | NA | NA | NA | NA | NA | NA | |
| 09 y 10-Oct-17 | 1353 | Efluente General | | 8.04 | 32 | 18 | 22 | 48 | 2840 | Ausente | NA | 5.68 | <0.025 | <0.050 | 0.012 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.025 | 11.20 | 143.71 | <9.0 | <0.1 | 56 | 4.76 | 29.12 | 36.40 | 0.2153 | 0.297 | 36.9123 | NA | <3 | <1 | |
| 17-oct-17 | 1373 | Afluente General | | 7.25 | 32 | NA | 33 | 39 | 3140 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 47.33 | 197 | <9.0 | 0.5 | 38 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 16 y 17-Oct-17 | 1380 | Efluente General | | 8.04 | 34 | 19 | 24 | 53 | 2720 | Ausente | NA | 6.50 | <0.025 | <0.050 | 0.011 | <0.050 | <0.020 | <0.005 | <0.050 | 0.074 | 0.031 | 11.20 | 148.35 | <9.0 | <0.1 | 44 | 5.06 | 30.98 | 38.63 | 0.3537 | 0.34 | 39.3237 | NA | <3 | <1 | |
| 13 y 14-Nov-17 | 1492 | Afluente General | | 7.40 | 30 | 24 | 31 | 219 | 2510 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 182.5 | 596 | 15.11 | 4.0 | 373.33 | NA | 35.84 | 52.64 | NA | NA | NA | NA | NA | NA | NA | |
| 13 y 14-Nov-17 | 1499 | Efluente General | | 7.84 | 29 | 16 | 23 | 51 | 2630 | Ausente | NA | 7.71 | <0.025 | <0.050 | 0.025 | <0.050 | <0.020 | <0.005 | <0.050 | 0.062 | 0.038 | 19.00 | 206.4 | <9.0 | <0.1 | 104 | 4.81 | 32.1 | 41.62 | 0.4100 | 0.881 | 42.9110 | NA | <3 | <1 | |
| 11 y 12-Dic-17 | 1617 | Afluente General | | 7.32 | 23 | 21 | 28 | 263 | 2620 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 264.00 | 430 | <9.0 | 2.5 | 180 | NA | 31.64 | 41.44 | NA | NA | NA | NA | NA | NA | |
| 11 y 12-Dic-17 | 1624 | Efluente General | | 8.00 | 23 | 11 | 15 | 32 | 2660 | Ausente | NA | 11.16 | <0.025 | <0.050 | 0.015 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.059 | 10.15 | 144.72 | <9.0 | <0.1 | 44 | 5.17 | 34.72 | 42.00 | 0.4060 | 0.3340 | 42.7400 | NA | <3 | <1 | |
| Afluente | | Maximo | | 7.61 | 35.00 | 33.00 | 35.00 | 263.00 | 3440.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 294.00 | 596.00 | 44.60 | 4.00 | 373.33 | 0.00 | 35.84 | 52.64 | 0.00 | 0.00 | 0.00 | 0.00E+00 | 0.00E+00 | 0.00 | | |
| | | Promedio | | 7.33 | 28.31 | 26.50 | 30.92 | 130.92 | 2683.08 | #DIV/0! | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | 173.25 | 409.77 | 19.78 | 2.09 | 166.04 | ##### | 32.92 | 44.37 | ##### | ##### | ##### | ##### | #DIV/0! | #DIV/0! | #DIV/0! |
| | | Minimo | | 7.05 | 19.00 | 18.00 | 26.00 | 39.00 | 2130.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.33 | 197.00 | 10.92 | 0.50 | 38.00 | 0.00 | 30.52 | 38.64 | 0.00 | 0.00 | 0.00 | 0.00E+00 | 0.00E+00 | 0.00 | | |
| Efluente | | Maximo | | 8.04 | 35.00 | 28.00 | 32.00 | 138.00 | 2840.00 | 0.00 | 0.00 | 11.16 | 0.00 | 0.00 | 0.1 | | | | | | | | | | | | | | | | | | | | | |

COMISIÓN ESTATAL DE SERVICIOS PÚBLICOS DE MEXICALI
 SUBDIRECCIÓN AGUA Y SANEAMIENTO
 DEPARTAMENTO DE CONTROL DE PROCESOS
 RESUMEN DE ANÁLISIS FÍSICOQUÍMICOS DE AFLUENTE Y EFLUENTE DE PTARS

Sistema: PTAR Ciudad Victoria Km. 43
 Capacidad de diseño: 70 lps
 Gasto promedio anual:

Año de Construcción: 2007
 Población beneficiada:

Sitio de descarga: km +1600 Subramal izquierdo +1052 del dren ramal izquierdo 10+139 del Dren Carranza: Coord. Longitud 115° 7'16", Latitud 32° 15' 47.19"
 Tipo de Tratamiento: Lagunas Aireadas Mezcla Parcial

| FECHA | No. De Muestra | DESCRIPCIÓN DEL SITIO | Gasto lps | pH | TEMP. AMB. °C | TEMP. AGUA Compueta °C | TEMP. AGUA Simple °C | TURBEDAD U.T.N. | CONDUCTIVIDAD µhoms / cm | MATERIA FLOTANTE | COLOR APARENTE U Pt-Co | OXÍGENO DISUELT ppm | ARSENICO ppm | CADMIO ppm | CIANURO ppm | CROMO ppm | COBRE ppm | MERCURIO ppm | NIQUEL ppm | PLOMO ppm | ZINC ppm | DB05 ppm | DOO ppm | GRASAS Y ACEITES ppm | S. SED. ppm | S.S.T. ppm | FOSFORO TOTAL ppm | NITRÓGENO AMONÍACAL ppm | NITRÓGENO KJELDAHL TOTAL ppm | NITRATOS ppm | NITRITOS ppm | NITRÓGENO TOTAL ppm | COLIFORMES TOTALES NMP/100 mL | COLIFORMES FECALLES NMP/100 mL | HUEVOS DE HELMINTO | | |
|---------------------------|----------------|-----------------------|--------------|--------|------------------|------------------------------|----------------------------|--------------------|--------------------------------|---------------------|------------------------------|---------------------------|-----------------|---------------|----------------|--------------|--------------|-----------------|---------------|--------------|-------------|-------------|------------|----------------------------|----------------|---------------|----------------------|-------------------------------|------------------------------------|-----------------|-----------------|---------------------------|--|---|-----------------------|----|----|
| LMP NOM 001 SEMARNAT-1996 | | | | 6 A 10 | 40 | 40 | | | | Ausente | | 0.20 | 0.20 | 2.00 | 1.00 | 6.00 | 0.010 | 4 | 0.40 | 20 | 150 | 25 | 2 ml/l | 125 | 30 | | | | | | | 60 | | | 2000 | 5 | |
| 06-Ene-17 | 0020 | AFLUENTE GENERAL | | 7.33 | 15 | NA | 21 | 81 | 2280 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 183.0 | 484 | 20.84 | 2.0 | 132 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 05 y 06-Ene-17 | 0028 | EFLUENTE GENERAL | | 7.78 | 15 | 11 | 15 | 73 | 2230 | Ausente | NA | 3.51 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.022 | <1.22 | 177.6 | <9.0 | 52 | 7.07 | 46.29 | 56.18 | 0.0656 | 0.1031 | 56.3487 | NA | NA | <3 | <1 | | |
| 8-feb-17 | 0169 | AFLUENTE GENERAL | | 7.13 | 19 | NA | 21 | 107 | 2040 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 128.67 | 602 | 32.89 | 5.0 | 242 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 07 y 08-Feb-17 | 0176 | EFLUENTE GENERAL | | 7.75 | 19 | 13 | 18 | 109 | 2340 | Ausente | NA | 4.46 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.025 | 14.93 | 187.28 | <9.0 | <0.1 | 88 | 6.53 | 48.34 | 58.98 | 0.1472 | 0.1232 | 59.2504 | NA | NA | <3 | <1 | |
| 22-Mzo-17 | 0246 | EFLUENTE GENERAL | | 7.83 | 21 | 11 | 19 | 99 | 2260 | Ausente | NA | 4.06 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.021 | <1.22 | 229.24 | <9.0 | <0.1 | 112 | 7.11 | 43.49 | 57.11 | 0.1531 | 0.2424 | 57.5055 | NA | NA | <3 | <1 | |
| 10-Mzo-17 | 0342 | AFLUENTE GENERAL | | 7.20 | 26 | NA | 22 | NA | 2090 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 192.50 | 470 | 28.17 | 1.4 | 158 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 09 y 10-Mzo-17 | 0349 | EFLUENTE GENERAL | | 7.94 | 26 | 13 | 19 | 93 | 2260 | Ausente | NA | 3.24 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.020 | 9.15 | 197.12 | <9.0 | <0.1 | 80 | 6.74 | 46.10 | 57.30 | 0.0502 | 0.1382 | 57.4884 | NA | NA | <3 | <1 | |
| 06 y 07-Abr-17 | 0472 | AFLUENTE GENERAL | | 7.74 | 29 | 22 | 25 | 106 | 2310 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 243.50 | 605 | 27.48 | 2.0 | 280 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 06 y 07-Abr-17 | 0479 | EFLUENTE GENERAL | | 7.94 | 29 | 18 | 23 | 107 | 2360 | Ausente | NA | 18.47 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.00015 | 0.00015 | 0.00154 | 0.009 | 10.80 | 114.8 | <9.0 | <0.1 | 60 | 6.84 | 45.92 | 54.88 | 0.0341 | 0.0925 | 55.0066 | NA | NA | <3 | <1 | |
| 20-Abr-17 | 0510 | AFLUENTE GENERAL | | 7.26 | 29 | NA | 26 | 100 | 2200 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 228.5 | 596 | 35.24 | 3.0 | 232.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 19 y 20-Abr-17 | 0517 | EFLUENTE GENERAL | | 7.97 | 29 | 18 | 24 | 120 | 2410 | Ausente | NA | 2.23 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.0005 | 0.00015 | 0.00154 | 0.0126 | 9.15 | 158.4 | <9.0 | <0.1 | 48 | 6.43 | 45.54 | 54.31 | 0.0897 | 0.1464 | 54.5461 | NA | NA | <3 | <1 | |
| 18 y 19-May-17 | 0675 | AFLUENTE GENERAL | | 7.69 | 25 | 23 | 26 | 144 | 2280 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 183 | 545 | 29.70 | 1.6 | 200 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 18 y 19-May-17 | 0682 | EFLUENTE GENERAL | | 8.13 | 25 | 18 | 23 | 56 | 2520 | Ausente | NA | 3.04 | NA | NA | <0.010 | NA | NA | NA | NA | NA | NA | 14.93 | 139.8 | <9.0 | <0.1 | 28 | 6.21 | 46.48 | 53.94 | 0.0216 | 0.0605 | 54.0221 | NA | NA | 4.68E+00 | <1 | |
| 20 y 21-Jun-17 | 0840 | AFLUENTE GENERAL | | 7.51 | 37 | 30 | 32 | 125 | 2150 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 223 | 504 | 24.35 | 1.3 | 193.33 | NA | 38.64 | 48.44 | NA | NA | NA | NA | NA | NA | NA | NA |
| 20 y 21-Jun-17 | 0847 | EFLUENTE GENERAL | | 7.94 | 38 | 30 | 30 | 55 | 2430 | Ausente | NA | 1.62 | NA | NA | <0.010 | NA | NA | NA | NA | NA | NA | 33.45 | 144 | <9.0 | 0.2 | 20 | 5.91 | 41.06 | 48.52 | 0.0419 | 0.0134 | 48.5753 | NA | NA | 9.00E+02 | <1 | |
| 05 y 06-Jul-17 | 0901 | AFLUENTE GENERAL | | 7.69 | 37 | 30 | 32 | 74 | 2080 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 175.67 | 364 | 16.20 | 0.5 | 88 | NA | 37.52 | 46.76 | NA | NA | NA | NA | NA | NA | NA | NA |
| 05 y 06-Jul-17 | 0908 | EFLUENTE GENERAL | | 8.11 | 37 | 26 | 30 | 110 | 2400 | Ausente | NA | 4.06 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | 3.5E-05 | <0.050 | <0.050 | <0.020 | 18.93 | 179.36 | <9.0 | 0.1 | 72 | 6.49 | 39.2 | 48.34 | 0.0998 | 0.1654 | 48.6052 | NA | NA | <3 | <1 | |
| 21-Jul-17 | 0965 | AFLUENTE GENERAL | | 7.30 | 34 | NA | 33 | 72 | 2130 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 203.00 | 483 | NA | 4.5 | 177.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20 y 21-Jul-17 | 0972 | EFLUENTE GENERAL | | 8.29 | 33 | 26 | 30 | 77 | 2250 | Ausente | NA | 0.81 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 22.35 | 209.09 | <9.0 | 0.1 | 78 | 6.16 | 31.92 | 40.69 | 0.0465 | 0.214 | 40.9505 | NA | NA | <3 | <1 | |
| 15 y 16-Ago-17 | 1082 | AFLUENTE GENERAL | | 7.76 | 31 | 28 | 32 | 82 | 2090 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 155.33 | 318 | 12.86 | 0.8 | 104 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 15 y 16-Ago-17 | 1089 | EFLUENTE GENERAL | | 8.08 | 31 | 25 | 28 | 91 | 2230 | Ausente | NA | 4.67 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 18.25 | 108.74 | <9.0 | 0.1 | 72 | 5.36 | 34.72 | 41.81 | 0.0043 | 0.107 | 41.9213 | NA | NA | <3 | <1 | |
| 20 y 21 de Sep-17 | 1247 | AFLUENTE GENERAL | | 7.16 | 25 | 24 | 31 | 94 | 2070 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 203 | 385 | 43.34 | 1.0 | 110 | NA | 36.68 | 44.8 | NA | NA | NA | NA | NA | NA | NA | NA |
| 20 y 21 de Sep-17 | 1254 | EFLUENTE GENERAL | | 7.98 | 25 | 22 | 25 | 28 | 2110 | Ausente | NA | 5.48 | <0.025 | <0.050 | 0.011 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 4.05 | 107.64 | <9.0 | 0.2 | <20 | 3.93 | 30.24 | 36.96 | 0.0863 | 0.133 | 37.1793 | NA | NA | <3 | <1 | |
| 05 y 06-Oct-17 | 1335 | AFLUENTE GENERAL | | 7.66 | 32 | 26 | 32 | 78 | 2200 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 182.67 | 388 | 14.5 | 0.8 | 134 | NA | 38.64 | 47.88 | NA | NA | NA | NA | NA | NA | NA | NA |
| 05 y 06-Oct-17 | 1342 | EFLUENTE GENERAL | | 7.98 | 32 | 23 | 25 | 36 | 2270 | Ausente | NA | 4.06 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.02 | 7.1 | 125.17 | <9.0 | 0.1 | 24 | 5.23 | 36.21 | 41.62 | 0.1025 | 0.142 | 41.8645 | NA | NA | <3 | <1 | |
| 25-oct-17 | 1409 | AFLUENTE GENERAL | | 7.15 | 30 | NA | 28 | 57 | 2440 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 203.0 | 479 | 23.06 | 2.6 | 178 | NA | 35.56 | 48.32 | NA | NA | NA | NA | NA | NA | NA | NA |
| 24 y 25-Oct-17 | 1416 | EFLUENTE GENERAL | | 7.93 | 30 | 22 | 22 | 25 | 2380 | Ausente | NA | 6.7 | <0.025 | <0.050 | 0.012 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.022 | 4.05 | 174.09 | <9.0 | <0.1 | 52 | 6.03 | 15.49 | 20.34 | 0.0965 | 0.254 | 20.6905 | NA | NA | <3 | <1 | |
| 21 y 22-Dic-17 | 1527 | AFLUENTE GENERAL | | 7.60 | 27 | 19 | 26 | 127 | 2100 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 216.7 | 515 | 15.58 | 7.0 | 227.5 | NA | 44.52 | 55.44 | NA | NA | NA | NA | NA | NA | NA | |
| 21 y 22-Dic-17 | 1534 | EFLUENTE GENERAL | | 8.12 | 27 | 14 | 17 | 23 | 2340 | Ausente | NA | 8.93 | <0.025 | <0.050 | 0.011 | <0.050 | <0.020 | <0.005 | <0.050 | 0.058 | 0.021 | <1.22 | 98.78 | <9.0 | <0.1 | 36 | 6.31 | 43.68 | 48.53 | 0.1065 | 0.184 | 48.8205 | NA | NA | <3 | <1 | |
| 20-Dic-17 | 1656 | AFLUENTE GENERAL | | 7.32 | 17 | NA | 23 | 50 | 2160 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 142.0 | 350 | 19.3 | 0.6 | 86 | NA | 41.44 | 49.56 | NA | NA | NA | NA | NA | NA | NA | NA |
| 19 y 20-Dic-17 | 1663 | EFLUENTE GENERAL | | 8.00 | 17 | 10 | 14 | 13 | 2240 | Ausente | NA | 9.74 | <0.025 | <0.050 | 0.013 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.034 | 6.10 | PEND | <9.0 | <0.1 | 22 | 5.19 | 46.66 | 53.19 | 0.1638 | 0.235 | 53.5888 | NA | NA | <3 | <1 | |
| Afluente | Maximo | | | 7.76 | 37.00 | 30.00 | 33.00 | 144.00 | 2440.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 243.50 | 605.00 | 43.34 | 7.00 | 280.00 | 0.00 | 44.52 | 55.44 | | | | | | | | | |

COMISION ESTATAL DE SERVICIOS PÚBLICOS DE MEXICALCO
 SUBDIRECCIÓN AGUA Y SANEAMIENTO
 DEPARTAMENTO DE CONTROL DE PROCESOS
 RESUMEN DE ANÁLISIS FÍSICOQUÍMICOS DE AFLUENTE Y EFLENTE DE PTARS

Sistema: PTAR ESTACIÓN COAHUILA
 Capacidad de diseño: 20 lps
 Gasto promedio anual:

Año de Construcción: 2007
 Población beneficiada:

2007

Sitio de descarga: Km 0+70 Dren sub-ramal 1+00 ramal izq. 9+520 del dren Plan de Ayala. Coord. Longitud 115° 0.0' 5.08"; Latitud 32° 9' 5.55"
 Tipo de Tratamiento: Lagunas Aireadas Mezcla Parcial

| FECHA | No. De Muestra | DESCRIPCIÓN DEL SITO | Gasto lps | pH | TEMP. AMB. °C | TEMP. AGUA Compensada °C | TEMP. AGUA Simple °C | TURBIEDAD U.T.N. | CONDUCTIVIDAD µmhos/cm | MATERIA FLOTANTE | COLOR APARENTE U Pt-Co | OXÍGENO DISUELTO ppm | ARSENICO ppm | CADMIO ppm | CIANURO ppm | CROMO ppm | COBRE ppm | MERCURIO ppm | NIQUEL ppm | FLOMO ppm | ZINC ppm | DBOS ppm | DOO ppm | GRASAS Y ACEITES ppm | S.SED. ppm | S.S.T. ppm | FÓSFORO TOTAL ppm | NITRÓGENO AMONÍACAL ppm | NITRÓGENO KJELDAHL ppm | NITRATOS ppm | NITRITOS ppm | NITRÓGENO TOTAL ppm | COLIFORMES TOTALES NMP/100 ml | COLIFORMES MAYORES NMP/100 ml | HUEVOS DE HELMINTO s | | |
|---------------------------|----------------|------------------------------------|--------------|--------|------------------|--------------------------------|----------------------------|---------------------|---------------------------|---------------------|------------------------------|----------------------------|-----------------|---------------|----------------|--------------|--------------|-----------------|---------------|--------------|-------------|-------------|------------|----------------------------|---------------|---------------|-------------------------|-------------------------------|------------------------------|-----------------|-----------------|---------------------------|-------------------------------------|-------------------------------------|----------------------------|----|----|
| LMP NOM 001 SEMARNAT-1996 | | | | 6 A 10 | 40 | 40 | | | | Ausente | | 0.20 | 0.20 | 2.00 | 1.00 | 6.00 | 0.010 | 2 | 0.40 | 20 | 150 | | 25 | 2 mil | 125 | 30 | | | | | | 60 | 2000 | | | | |
| 20-Ene-17 | 0070 | Afluente general ESTACIÓN COAHUILA | | 7.27 | 14 | NA | 22 | 85 | 3070 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 133.33 | 330 | 23.10 | 0.3 | 676 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 19 y 20-Ene-17 | 0077 | Efluente general ESTACIÓN COAHUILA | | 7.74 | 14 | 8 | 15 | 35 | 3190 | Ausente | NA | 11.37 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.020 | 4.05 | 150.48 | <9.0 | <0.1 | 20 | 6.03 | 35.46 | 40.68 | 0.3757 | 0.1751 | 41.2308 | NA | NA | <3 | <1 | | |
| 07-feb-17 | 0151 | Afluente general ESTACIÓN COAHUILA | | 7.24 | 24 | NA | 23 | 78 | 3140 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 162.33 | 388 | 26.68 | 0.5 | 84 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 06 y 07-Feb-17 | 0159 | Efluente general ESTACIÓN COAHUILA | | 7.69 | 24 | 11 | 17 | 49 | 3240 | Ausente | NA | 12.58 | <0.010 | <0.050 | <0.010 | <0.050 | 0.041 | <0.005 | 0.058 | 0.058 | 2.67 | 134.40 | <9.0 | <0.1 | 48 | 5.84 | 37.33 | 42.93 | 0.4097 | 0.1892 | 43.5289 | NA | NA | <3 | <1 | | |
| 21-feb-17 | 0239 | Efluente general ESTACIÓN COAHUILA | | 7.84 | 20 | 12 | 20 | 38 | 3140 | Ausente | NA | 12.99 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.02 | 1.33 | 128.95 | <9.0 | <0.1 | 60 | 5.96 | 36.58 | 42.18 | 0.2543 | 0.2039 | 42.6382 | NA | NA | <3 | <1 | |
| 09-Mzo-17 | 0334 | Afluente general ESTACIÓN COAHUILA | | 7.25 | 28 | NA | 24 | 46 | 3080 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 122 | 337 | NA | 0.5 | 52 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 08 y 09-Mzo-17 | 0341 | Efluente general ESTACIÓN COAHUILA | | 7.67 | 28 | 12 | 21 | 44 | 3490 | Ausente | NA | 11.16 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | 0.036 | 1.40 | 129.92 | <9.0 | <0.1 | 56 | 5.88 | 35.3 | 41.62 | 0.3085 | 0.1898 | 42.1183 | NA | NA | <3 | <1 | | |
| 06-Abr-17 | 0464 | Afluente general ESTACIÓN COAHUILA | | 7.26 | 28 | NA | 26 | 35 | 3300 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 142.0 | 349 | 14.03 | 0.3 | 54 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 05 y 06-Abr-17 | 0471 | Efluente general ESTACIÓN COAHUILA | | 8.27 | 28 | 16 | 24 | 27 | 3730 | Ausente | NA | 9.54 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.000177 | 0.00015 | 0.00154 | 0.013 | 3.05 | 82.65 | <9.0 | <0.1 | 48 | 6.59 | 30.98 | 36.39 | 0.7413 | 0.3754 | 37.5067 | NA | NA | <3 | <1 | |
| 18 y 19-Abr-17 | 0509 | Efluente general ESTACIÓN COAHUILA | | 8.34 | 27 | 22 | 23 | 42 | 3560 | Ausente | NA | 6.49 | 0.00139 | 0.00015 | 0.011 | 0.00031 | 0.00022 | 0.000561 | 0.00015 | 0.00154 | 0.0103 | <1.22 | 139.20 | <9.0 | <0.1 | 32 | 5.63 | 25.57 | 31.35 | 0.5407 | 0.5312 | 32.4219 | NA | NA | <3 | <1 | |
| 18-may-17 | 0666 | Afluente general ESTACIÓN COAHUILA | | 7.32 | 26 | NA | 27 | 69 | 3220 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 162.33 | 452 | 33.68 | 1.4 | 170 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 17 y 18-May-17 | 0673 | Efluente general ESTACIÓN COAHUILA | | 8.17 | 26 | 19 | 23 | 46 | 3500 | Ausente | NA | 10.96 | NA | NA | <0.010 | NA | NA | 0.0005 | NA | NA | 2.67 | 111.84 | <9.0 | <0.1 | 40 | 5.11 | 15.49 | 21.65 | 0.5619 | 0.2892 | 22.5011 | NA | NA | <3 | <1 | | |
| 20-Jun-17 | 0832 | Afluente general ESTACIÓN COAHUILA | | 7.19 | 42 | NA | 30 | 82 | 3240 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 182.5 | 413 | NA | 0.7 | 125 | NA | NA | 44.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 19 y 20-Jun-17 | 0839 | Efluente general ESTACIÓN COAHUILA | | 8.15 | 42 | 29 | 30 | 46 | 3440 | Ausente | NA | 7.71 | NA | NA | 0.012 | NA | NA | 0.000027 | NA | NA | NA | 3.05 | 120 | <9.0 | <0.1 | <20 | 5.31 | 15.86 | 21.64 | 0.3721 | 0.5079 | 22.5200 | NA | NA | <3 | <1 | |
| 07-Jul-17 | 0909 | Afluente general ESTACIÓN COAHUILA | | 7.24 | 40 | NA | 32 | 43 | 3210 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 152.00 | 299 | 12.66 | 0.4 | 42 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 06 y 07-Jul-17 | 0916 | Efluente general ESTACIÓN COAHUILA | | 8.54 | 40 | 28 | 30 | 59 | 3410 | Ausente | NA | 7.10 | <0.025 | <0.050 | 0.029 | <0.050 | <0.020 | 0.000037 | <0.050 | <0.050 | <0.020 | 23.00 | 179.36 | <9.0 | <0.1 | 96 | 4.79 | 5.22 | 15.30 | 0.5431 | 0.9566 | 16.7997 | NA | NA | <3 | <1 | |
| 20-Jul-17 | 0957 | Afluente general ESTACIÓN COAHUILA | | 7.21 | 35 | NA | 32 | 43 | 2970 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 121.67 | 296 | NA | 1.0 | 66 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 19 y 20-Jul-17 | 0964 | Efluente general ESTACIÓN COAHUILA | | 8.34 | 35 | 26 | 30 | 65 | 3300 | Ausente | NA | 6.90 | <0.025 | <0.050 | 0.030 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 6.05 | 190.08 | <9.0 | <0.1 | 100 | 4.44 | 4.10 | 13.06 | 0.8930 | 1.248 | 15.201 | NA | NA | <3 | <1 | |
| 15-Ago-17 | 1074 | Afluente general ESTACIÓN COAHUILA | | 7.27 | 35 | NA | 23 | 71 | 3110 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 122.0 | 361 | NA | 0.8 | 66 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 14 y 15-Ago-17 | 1081 | Efluente general ESTACIÓN COAHUILA | | 8.65 | 35 | 26 | 29 | 32 | 3200 | Ausente | NA | 7.71 | <0.025 | <0.050 | 0.020 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 9.10 | 111.84 | <9.0 | <0.1 | 56 | 2.11 | <0.20 | 7.09 | 1.6815 | 0.422 | 9.1935 | NA | NA | <3 | <1 | |
| 20-sep-17 | 1236 | Afluente general ESTACIÓN COAHUILA | | 7.19 | 31 | NA | 33 | 19 | 2960 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 108.33 | 237 | <9.0 | 0.3 | 54 | NA | 30.50 | 2.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 19 y 20-Sep-17 | 1243 | Efluente general ESTACIÓN COAHUILA | | 9.03 | 31 | 24 | 28 | 35 | 3190 | Ausente | NA | 7.92 | <0.025 | <0.050 | 0.062 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 4.05 | 159.12 | <9.0 | <0.1 | 64 | 2.3 | 2.61 | 5.97 | 2.0005 | 2.058 | 10.0285 | NA | NA | <3 | <1 | |
| 05-oct-17 | 1327 | Afluente general ESTACIÓN COAHUILA | | 7.17 | NA | NA | 31 | 16 | 2850 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 101.33 | 214 | <9.0 | <0.1 | <20 | NA | 25.20 | 28 | NA | NA | NA | NA | NA | NA | NA | NA | |
| 04 y 05-Oct-17 | 1334 | Efluente general ESTACIÓN COAHUILA | | 8.91 | 30 | 21 | 25 | 41 | 3080 | Ausente | NA | 6.49 | <0.025 | <0.050 | 0.065 | <0.050 | <0.020 | <0.005 | <0.050 | 0.054 | 0.036 | 3.05 | 162.26 | <9.0 | <0.1 | 92 | 3.13 | 2.24 | 10.82 | 3.1273 | 2.175 | 16.1223 | NA | NA | <3 | <1 | |
| 24-oct-17 | 1401 | Afluente general ESTACIÓN COAHUILA | | 7.27 | 30 | NA | 30 | 29 | 2900 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 115 | 226 | NA | 0.4 | 38 | NA | 32.48 | 36.68 | NA | NA | NA | NA | NA | NA | NA | NA | |
| 23 y 24-Oct-17 | 1408 | Efluente general ESTACIÓN COAHUILA | | 8.53 | 30 | 20 | 22 | 43 | 3000 | Ausente | NA | 9.54 | <0.025 | <0.050 | 0.044 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.027 | 18.93 | 169.63 | <9.0 | 0.1 | 100 | NA | 2.98 | 12.87 | 5.7887 | 1.736 | 20.3947 | NA | NA | <3 | <1 | |
| 21-nov-17 | 1519 | Afluente general ESTACIÓN COAHUILA | | 7.18 | 24 | NA | 27 | 112 | 3080 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 135.7 | 494 | NA | 2.5 | 216.66 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 20 y Nov-17 | 1526 | Efluente general ESTACIÓN COAHUILA | | 7.99 | 24 | 13 | 22 | 29 | 2840 | Ausente | NA | 10.35 | <0.025 | <0.050 | 0.023 | 0.052 | <0.020 | <0.005 | <0.050 | 0.057 | 0.025 | 6.1 | 145.82 | <9.0 | 0.1 | 56 | 3.81 | 1.30 | 9.14 | 7.1912 | 0.630 | 16.9612 | NA | NA | <3 | <1 | |
| 19-Dic-17 | 1648 | Afluente general ESTACIÓN COAHUILA | | 7.18 | 22 | NA | 25 | 71 | 3120 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 169 | 384 | 29.30 | 0.5 | 134 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 18 y 19-Dic-17 | 1655 | Efluente general ESTACIÓN COAHUILA | | 7.56 | 21 | 10 | 14 | 35 | 3000 | Ausente | NA | 10.35 | <0.025 | <0.050 | 0.114 | <0.050 | 0.049 | <0.005 | <0.050 | <0.050 | 0.029 | <1.22 | PEND | <9.0 | 0.3 | 84 | 5.53 | <0.20 | 7.65 | 25.2504 | 0.685 | 33.5854 | NA | NA | <3 | <1 | |
| Afluente | | Máximo | | 7.56 | 42.00 | 10.00 | 33.00 | 112.00 | 3300.00 | 0.00 | 0.00 | 10.35 | 0.00 | 0.00 | 0.11 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.03 | 182.50 | 494.00 | 33.68 | 2.50 | 676.00 | 5.53 | 44.80 | 36.68 | 25.25 | 0.69 | 33.59 | 0.00E+00 | 0.00E+00 | 0.00 | | |
| | | Promedio | | 7.26 | 29.08 | 10.00 | 26.71 | 54.50 | 3080.71 | #DIV/0! | #DIV/0! | 10.35 | #DIV/0! | #DIV/0! | 0.11 | #DIV/0! | 0.05 | #DIV/0! | #DIV/0! | #DIV/0! | 0.03 | 135.42 | | | | | | | | | | | | | | | |

COMISIÓN ESTATAL DE SERVICIOS PÚBLICOS DE MEXICALI
 SUBDIRECCIÓN AGUA Y SANEAMIENTO
 DEPARTAMENTO DE CONTROL DE PROCESOS
 RESUMEN DE ANÁLISIS FÍSICOQUÍMICOS DE AFLUENTE Y EFLUENTE DE PTARS

Sistema: PTAR Algodones
 Capacidad de diseño: 20 lps
 Gasto promedio anual:

Año de Construcción: 2007
 Población beneficiada:

Sitio de descarga: Dren Culiacán Km 2+370 Coordenadas, Longitud 114° 45' 43"; Latitud 32° 41' 59"
 Tipo de Tratamiento: Lagunas Aireadas Mezcla Parcial

NA: NO ANALIZADO
 ND: NO DETECTADO

| FECHA | No. De Muestra | DESCRIPCIÓN DEL SITO | Gasto lps | pH U-pH | TEMP. AMB. °C | TEMP. AGUA Compuesta °C | TEMP. AGUA Simple °C | TURBIDAD U.T.N. | CONDUCTIVIDAD µmhos / cm | MATERIA FLOTANTE | COLOR APARENTE U Pt-Co | OXIGENO DISUELTO ppm | ARSENICO ppm | CADMIO ppm | CIANURO ppm | CROMO ppm | COBRE ppm | MERCURIO ppm | NIQUEL ppm | PLOMO ppm | ZINC ppm | DBO5 ppm | DQO ppm | GRASAS Y ACEITES ppm | S. SED. ppm | S. S. T. ppm | FÓSFORO TOTAL ppm | NITRÓGENO AMONÍACAL ppm | NITRÓGENO KJELDAHL ppm | NITRATOS ppm | NITRITOS ppm | NITRÓGENO TOTAL ppm | COLIFORMES TOTALES NMP/100 ml | COLIFORMES TOTALS NMP/100 ml | HUEVOS DE HELMINTO Huevos/l | |
|---------------------------|----------------|----------------------|--------------|------------|------------------|-------------------------------|----------------------------|--------------------|--------------------------------|---------------------|------------------------------|----------------------------|-----------------|---------------|----------------|--------------|--------------|-----------------|---------------|--------------|-------------|-------------|------------|----------------------------|----------------|-----------------|----------------------|-------------------------------|------------------------------|-----------------|-----------------|---------------------------|-------------------------------------|------------------------------------|-----------------------------------|----|
| LMP NOM 001 SEMARNAT-1996 | | | 6 A 10 | | 40 | 40 | | | Ausente | | 0.20 | 0.20 | 2.00 | 1.00 | 6.00 | 0.010 | 2 | 0.40 | 20 | 150 | | 25 | 2 ml | 125 | 30 | | | | | | | 60 | | 2000 | 5 | |
| 26-Ene-17 | 0089 | AFLUENTE GENERAL | 7.24 | 10 | NA | 20 | 43 | 1600 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 135.33 | 296 | 18.16 | 0.5 | 46 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 25 y 26-Ene-17 | 0096 | EFLUENTE GENERAL | 7.66 | 10 | 7 | 12 | 65 | 1630 | Ausente | NA | 5.88 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | 0.059 | 0.037 | 2.05 | 134.4 | <9.0 | <0.1 | 62 | 4.60 | 34.16 | 43.30 | 0.1385 | 0.0964 | 43.5349 | NA | <3 | <1 | | |
| 22 y 23-Feb-17 | 0253 | EFLUENTE GENERAL | 7.63 | 21 | 11 | 17 | 82 | 1598 | Ausente | NA | 5.07 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 13.20 | 191.04 | <9.0 | <0.1 | 88 | 5.07 | 30.98 | 42.18 | 0.1138 | 0.1479 | 42.4417 | NA | <3 | <1 | | |
| 07 y 08-Mzo-17 | 0324 | AFLUENTE GENERAL | 7.60 | 25 | 13 | 22 | 192 | 1693 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 193.0 | 573 | 19.49 | 1.8 | 324 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 07 y 08-Mzo-17 | 0331 | EFLUENTE GENERAL | 7.59 | 25 | 11 | 18 | 83 | 1649 | Ausente | NA | 5.68 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.030 | 6.10 | 192.64 | <9.0 | <0.1 | 88 | 5.30 | 35.09 | 46.29 | 0.0452 | 0.1187 | 46.4539 | NA | <3 | <1 | | |
| 11-Abr-17 | 0487 | AFLUENTE GENERAL | 7.43 | 30 | NA | 25 | 24 | 1573 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 105.0 | 217 | 14.87 | 0.3 | 26 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 10 y 11-Abr-17 | 0494 | EFLUENTE GENERAL | 7.86 | 31 | 16 | 21 | 56 | 1698 | Ausente | NA | 4.66 | NA | NA | <0.010 | NA | NA | 0.000286 | NA | NA | NA | NA | 13.2 | 73.47 | <9.0 | <0.1 | 20 | 4.46 | 30.61 | 37.14 | 0.1224 | 0.1124 | 37.3748 | NA | <3 | <1 | |
| 05-may-17 | 0608 | AFLUENTE GENERAL | 7.40 | 32 | NA | 26 | 18 | 1553 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 61.0 | 143 | 10.51 | 0.3 | 32 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 04 y 05-May-17 | 0615 | EFLUENTE GENERAL | 7.96 | 35 | 24 | 28 | 48 | 1664 | Ausente | NA | 5.27 | 0.00139 | 0.00015 | <0.010 | 0.00085 | 0.0073 | 0.00005 | 0.00015 | 0.00154 | 0.009 | 10.13 | 105.6 | <9.0 | <0.1 | 44 | 3.61 | 27.63 | 34.35 | 0.2262 | 0.1709 | 34.7471 | NA | <3 | <1 | | |
| 22 y 23-May-17 | 0699 | EFLUENTE GENERAL | 8.3 | 37 | 24 | 28 | 26 | 1616 | Ausente | NA | 6.69 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.000159 | 0.00015 | 0.00154 | 0.0132 | 7.1 | 86.4 | <9.0 | <0.1 | 20 | 3.43 | 25.57 | 29.11 | 0.1653 | 0.1885 | 29.4638 | NA | 3.46E+00 | <1 | | |
| 7-jun-17 | 0774 | AFLUENTE GENERAL | 7.41 | NA | NA | 27 | 13 | 1423 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 81.0 | 139 | 11.01 | 0.4 | 22 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 06 y 07-Jun-17 | 0781 | EFLUENTE GENERAL | 8.04 | 31 | 21 | 27 | 35 | 1639 | Ausente | NA | 6.49 | NA | NA | <0.010 | NA | NA | NA | NA | NA | NA | NA | 16.25 | 115.2 | <9.0 | <0.1 | 40 | 4.09 | 24.28 | 29.5 | 0.1785 | 0.1711 | 29.8496 | NA | <3 | <1 | |
| 27-jul-17 | 0990 | AFLUENTE GENERAL | 7.40 | 34 | NA | 30 | 10 | 1383 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 54.0 | 81 | NA | 0.2 | <20 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 26 y 27-Jul-17 | 0997 | EFLUENTE GENERAL | 8.21 | 34 | 28 | 27 | 27 | 1475 | Ausente | NA | 9.37 | <0.025 | <0.050 | 0.015 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 12.15 | 110.4 | <9.0 | <0.1 | 50 | 3.33 | 11.94 | 17.35 | 0.2374 | 0.4470 | 18.034 | NA | 6.23E+00 | <1 | | |
| 22-Ago-17 | 1107 | AFLUENTE GENERAL | 7.37 | 34 | NA | 30 | 9 | 1374 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 74.67 | 130 | <9.0 | 0.3 | 24 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 21 y 22-Ago-17 | 1114 | EFLUENTE GENERAL | 8.37 | 35 | 28 | 31 | 31 | 1464 | Ausente | NA | 5.68 | <0.025 | <0.050 | 0.019 | <0.050 | 0.024 | <0.005 | <0.050 | <0.050 | <0.020 | 10.15 | 99.28 | <9.0 | <0.1 | 52 | 2.96 | 13.44 | 19.41 | 0.2421 | 0.4880 | 20.1401 | NA | 3.92E+00 | <1 | | |
| 28 y 29-Ago-17 | 1143 | EFLUENTE GENERAL | 8.12 | 37 | 28 | 32 | 34 | 1476 | Ausente | NA | 5.07 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 15.25 | 83.88 | <9.0 | <0.1 | 44 | 2.98 | 15.68 | 21.09 | 0.1019 | 0.1755 | 21.3674 | NA | <3 | <1 | | |
| 26-sep-17 | 1283 | AFLUENTE GENERAL | 7.35 | 25 | NA | 29 | 18 | 1426 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 115 | 149 | <9.0 | 0.6 | 46 | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 26 y 27-Sep-17 | 1290 | EFLUENTE GENERAL | 8.39 | 25 | 15 | 23 | 15 | 1533 | Ausente | NA | 9.74 | <0.025 | <0.050 | 0.019 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 9.15 | 81.6 | <9.0 | <0.1 | 38 | 2.42 | 18.6 | 22.52 | 0.3685 | 0.5990 | 23.4875 | NA | <3 | <1 | | |
| 26-oct-17 | 1417 | AFLUENTE GENERAL | 7.35 | 25 | NA | 27 | 19 | 1461 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 88.0 | 114 | NA | 0.5 | 44 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 25 y 26-Oct-17 | 1424 | EFLUENTE GENERAL | 8.01 | 25 | 17 | 22 | 19 | 1591 | Ausente | NA | 7.71 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.026 | 1.40 | 53.56 | <9.0 | <0.1 | 44 | 3.46 | 24.08 | 28.00 | 0.1413 | 0.255 | 28.3963 | NA | <3 | <1 | | |
| 10-nov-17 | 1484 | AFLUENTE GENERAL | 7.37 | 24 | NA | 26 | 14 | 1481 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 67.67 | 108 | 12.15 | 0.2 | 28 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 09 y 10-Nov-17 | 1491 | EFLUENTE GENERAL | 7.92 | 24 | 13 | 23 | 19 | 1590 | Ausente | NA | 9.13 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | 0.050 | 0.026 | 9.15 | 72 | <9.0 | <0.1 | 40 | 3.68 | 25.76 | 29.68 | 0.2163 | 0.219 | 30.1153 | NA | <3 | <1 | | |
| 27 y 28-Nov-17 | 1558 | EFLUENTE GENERAL | 7.67 | 18 | 11 | 18 | 26 | 1660 | Ausente | NA | 5.27 | <0.025 | <0.050 | 0.011 | <0.050 | <0.020 | <0.005 | <0.050 | 0.055 | 0.024 | 7.15 | 99.61 | <9.0 | <0.1 | 44 | 5.67 | 30.98 | 36.39 | 0.0530 | 0.070 | 36.513 | NA | <3 | <1 | | |
| 08-Dic-17 | 1608 | AFLUENTE GENERAL | 7.29 | 19 | NA | 24 | 22 | 1562 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 101.67 | 177 | 11.64 | 0.4 | 32 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 07 y 08-Dic-17 | 1615 | EFLUENTE GENERAL | 7.92 | 20 | 9 | 12 | 33 | 1715 | Ausente | NA | 8.12 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.039 | 6.10 | 110.95 | <9.0 | <0.1 | 40 | 3.88 | 33.22 | 39.94 | 0.1057 | 0.1010 | 40.1467 | NA | <3 | <1 | | |

| Afluente | Maximo | 7.60 | 34.00 | 13.00 | 30.00 | 192.00 | 1693.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 193.00 | 573.00 | 19.49 | 1.80 | 324.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00E+00 | 0.00E+00 | 0.00 | |
|----------|----------|-------|-------|-------|-------|---------|---------|---------|-------|-------|---------|---------|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|-------|--------|--------|-------|-------|-------|---------|---------|---------|----------|----------|----------|----------|
| | Promedio | 7.38 | 25.80 | 13.00 | 26.00 | 34.73 | 1502.64 | #DIV/0! | ##### | ##### | #DIV/0! | #DIV/0! | ##### | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 97.85 | 193.36 | 13.98 | 0.50 | 62.40 | ##### | ##### | ##### | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| Efluente | Maximo | 7.24 | 10.00 | 13.00 | 20.00 | 9.00 | 1374.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.00 | 81.00 | 10.51 | 0.20 | 22.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00E+00 | 0.00E+00 | 0.00 | |
| | Promedio | 8.39 | 37.00 | 28.00 | 32.00 | 83.00 | 1715.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 16.25 | 192.64 | 0.00 | 0.00 | 88.00 | 5.67 | 35.09 | 46.29 | 0.37 | 0.60 | 46.45 | 0.00E+00 | 6.23E+00 |
| Minimo | 7.95 | 26.50 | 17.07 | 22.21 | 40.93 | 1598.71 | #DIV/0! | ##### | ##### | 6.65 | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.03 | 9.39 | 108.83 | ##### | ##### | 49.57 | 3.97 | 25.46 | 31.94 | 0.16 | 0.23 | 32.33 | #DIV/0! | 5.08E+00 | #DIV/0! | |
| Minimo | 7.59 | 10.00 | 7.00 | 12.00 | 15.00 | 1464.00 | 0.00 | 0.00 | 0.00 | 4.66 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 1.40 | 53.56 | 0.00 | 0.00 | 20.00 | 2.42 | 11.94 | 17.35 | 0.05 | 0.07 | 18.03 | 0.00E+00 | 3.92E+00 | 0 | |

COMISIÓN ESTATAL DE SERVICIOS PÚBLICOS DE MEXICALI
 SUBDIRECCIÓN AGUA Y SANEAMIENTO
 DEPARTAMENTO DE CONTROL DE PROCESOS
 RESUMEN DE ANÁLISIS FÍSICOQUÍMICOS DE AFLUENTE Y EFLUENTE DE PTARS

Sistema: PTAR Ciudad Morelos
 Capacidad de diseño: 40 lps
 Gasto promedio anual:

Año de Construcción: 2007
 Población beneficiada:

Sitio de descarga: Dren Alamo, Coordinadas, Longitud 114° 52' 3"; Latitud 32° 38' 00.4"
 Tipo de Tratamiento: Lagunas Aireadas Mezcla Parcial

NA: NO ANALIZADO
 ND: NO DETECTADO

| FECHA | No. De Muestra | DESCRIPCIÓN DEL SITIO | Gasto lps | pH U-pH | TEMP. AMB. °C | TEMP. AGUA Compuesta °C | TEMP. AGUA Simple °C | TURBIEDAD U.T.N. | CONDUCTIVIDAD µhoms/cm | MATERIA FLOTANTE | COLOR APARENTE U Pt-Co | OXIGENO DISUELTO ppm | ARSENICO ppm | CADMIO ppm | CIANURO ppm | CRÓMO ppm | COBRE ppm | MERCURIO ppm | NIQUEL ppm | PLOMO ppm | ZINC ppm | DBO5 ppm | DQO ppm | GRASAS Y ACEITES ppm | S. SED. ppm | S.S.T. ppm | FÓSFORO TOTAL ppm | NITRÓGENO AMONIACAL ppm | NITRÓGENO KJELDAHL ppm | NITRATOS ppm | NITRITOS ppm | NITRÓGENO TOTAL ppm | COLIFORMES TOTALES NMP/100 ml | COLIFORMES FECALIS NMP/100 ml | HUEVOS DE HELMINTO Huevos/l | | |
|---------------------------|----------------|-----------------------|--------------|------------|------------------|----------------------------|-------------------------|---------------------|---------------------------|------------------|---------------------------|-------------------------|-----------------|---------------|----------------|--------------|--------------|-----------------|---------------|--------------|-------------|-------------|------------|-------------------------|----------------|---------------|----------------------|----------------------------|---------------------------|-----------------|-----------------|------------------------|----------------------------------|-------------------------------|--------------------------------|----|----|
| LMP NOM 001 SEMARNAT-1996 | | | | 6 A 10 | | 40 | 40 | | | Ausente | | 0.20 | 0.20 | 2.00 | 1.00 | 6.00 | 0.010 | 4 | 0.40 | 20 | 150 | | 25 | 2 ml/l | 125 | 30 | | | | | | 60 | | 2000 | 5 | | |
| 27-Ene-17 | 0097 | AFLUENTE GENERAL | | 7.37 | NA | NA | 19 | 104 | 2080 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 335 | 487 | NA | 1.4 | 180 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 y 27-Ene-17 | 0104 | EFLUENTE GENERAL | | 7.77 | 14 | 7 | 13 | 39 | 1960 | Ausente | NA | 5.88 | <0.010 | <0.050 | 0.013 | <0.050 | <0.020 | <0.005 | <0.050 | 0.053 | 0.029 | 1.40 | 115.2 | <9.0 | <0.1 | 32 | 5.97 | 50.4 | 56.6 | 0.1258 | 0.1389 | 56.8247 | NA | <3 | <1 | | |
| 23 y 24-Feb-17 | 0260 | EFLUENTE GENERAL | | 7.71 | 19 | 11 | 17 | 26 | 1951 | Ausente | NA | 7.91 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 1.33 | 191.04 | <9.0 | <0.1 | 44 | 5.21 | 45.73 | 50.58 | 0.0701 | 0.2315 | 50.8816 | NA | <3 | <1 | | |
| 07-Mzo-17 | 0314 | AFLUENTE GENERAL | | 7.58 | 18 | NA | 21 | 103 | 2120 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 223.5 | 454 | 37.76 | 0.6 | 137.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 23 y 24-Mzo-17 | 0412 | EFLUENTE GENERAL | | 7.80 | 22 | 13 | 20 | 37 | 2070 | Ausente | NA | 5.48 | <0.010 | <0.050 | 0.015 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.014 | 4.00 | 96 | <9.0 | <0.1 | 32 | 6.36 | 47.04 | 53.01 | 0.2169 | 0.4927 | 53.7196 | NA | <3 | <1 | | |
| 27 y 28-Mzo-17 | 0419 | EFLUENTE GENERAL | | 7.80 | 24 | 14 | 19 | 51 | 2140 | Ausente | NA | 5.48 | <0.010 | <0.050 | 0.021 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.015 | 2.73 | 115.9 | <9.0 | <0.1 | 54 | 6.04 | 45.92 | 51.89 | 0.4259 | 0.5311 | 52.8470 | NA | <3 | <1 | | |
| 28-Abr-17 | 0558 | AFLUENTE GENERAL | | 7.35 | 29 | NA | 27 | 89 | 1894 | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 196.0 | 380 | 29.60 | 0.4 | 114 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 y 28-Abr-17 | 0565 | EFLUENTE GENERAL | | 8.20 | 29 | 22 | 25 | 35 | 2250 | Ausente | NA | 3.04 | NA | NA | 0.028 | NA | NA | 0.000090 | NA | NA | NA | 6.10 | 96 | <9.0 | <0.1 | 48 | 4.61 | 43.68 | 48.16 | 0.4265 | 1.0266 | 49.6131 | NA | <3 | <1 | | |
| 03 y 04-May-17 | 0600 | AFLUENTE GENERAL | | 7.38 | 36 | NA | 27 | 82 | 2090 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 213.50 | 387 | 33.06 | 0.9 | 132.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 03 y 04-May-17 | 0607 | EFLUENTE GENERAL | | 8.18 | 36 | 23 | 28 | 42 | 2130 | Ausente | NA | 1.83 | 0.00139 | 0.00015 | 0.039 | 0.00031 | 0.00022 | 0.00005 | 0.00015 | 0.00154 | 0.0093 | 12.13 | 134.4 | <9.0 | <0.1 | 68 | NA | 44.61 | 51.89 | 0.5679 | 1.3594 | 53.8173 | NA | 9.21E+00 | <1 | | |
| 23 y 24-May-17 | 0706 | EFLUENTE GENERAL | | 8.24 | 33 | 25 | 27 | 35 | 1993 | Ausente | NA | 1.62 | 0.00139 | 0.00015 | 0.027 | 0.00031 | 0.00022 | 0.000032 | 0.00015 | 0.00154 | 0.0101 | 16.2 | 120 | <9.0 | 0.1 | 40 | 4.5 | 41.44 | 45.54 | 7.7601 | 1.2450 | 54.5451 | NA | 3.78E+00 | <1 | | |
| 08-jun-17 | 0783 | AFLUENTE GENERAL | | 7.29 | 34 | NA | 29 | 89 | 2000 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 182.67 | 433 | 26.19 | 1.0 | 107.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 07 y 08-Jun-17 | 0790 | EFLUENTE GENERAL | | 8.07 | 34 | 23 | 28 | 41 | 2010 | Ausente | NA | 2.03 | NA | NA | 0.030 | NA | NA | NA | NA | NA | NA | 5.05 | 124.8 | <9.0 | <0.1 | 28 | 5.27 | 41.25 | 46.29 | 0.2751 | 0.9499 | 47.5150 | NA | <3 | <1 | | |
| 26-Jul-17 | 0982 | AFLUENTE GENERAL | | 7.38 | NA | NA | 33 | 35 | 1952 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 115 | 286 | NA | 0.4 | 86 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 25 y 26-Jul-17 | 0989 | EFLUENTE GENERAL | | 8.33 | 35 | 27 | 30 | 59 | 2240 | Ausente | NA | 3.45 | <0.025 | <0.050 | 0.023 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 31.07 | 137.08 | <9.0 | <0.1 | 76 | 4.14 | 35.84 | 42.93 | 0.3115 | 0.7680 | 44.010 | NA | 3.97E+03 | <1 | | |
| 23-Ago-17 | 1115 | AFLUENTE GENERAL | | 7.42 | 33 | NA | 33 | 50 | 2680 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 155.33 | 419 | 24.30 | 0.3 | 104 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 22 y 23-Ago-17 | 1122 | EFLUENTE GENERAL | | 8.15 | 34 | 30 | 31 | 29 | 2150 | Ausente | NA | 4.06 | <0.025 | <0.050 | 0.094 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 6.10 | 85.104 | <9.0 | <0.1 | 28 | 6.10 | 19.41 | 24.07 | 0.9530 | 6.1740 | 31.197 | NA | 3.15E+00 | <1 | | |
| 29 y 30-Ago-17 | 1150 | EFLUENTE GENERAL | | 8.05 | 37 | 30 | 31 | 41 | 2230 | Ausente | NA | 2.63 | <0.025 | <0.050 | 0.033 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 12.20 | 88.54 | <9.0 | <0.1 | 52 | 3.65 | 22.4 | 27.81 | 0.2002 | 1.0925 | 29.1027 | NA | <3 | <1 | | |
| 26-Sep-17 | 1270 | AFLUENTE GENERAL | | 7.47 | 31 | NA | 34 | 69 | 3220 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 142.00 | 340 | 31.03 | 0.6 | 78 | NA | 34.16 | 39.76 | NA | NA | NA | NA | NA | NA | NA | NA | |
| 25 y 26-Sep-17 | 1277 | EFLUENTE GENERAL | | 7.65 | 31 | 18 | 25 | 43 | 2370 | Ausente | NA | 4.06 | <0.025 | <0.050 | 0.05 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 5.10 | 129.6 | <9.0 | <0.1 | 64 | 3.91 | 29.12 | 35.09 | 0.3501 | 1.6700 | 37.1101 | NA | <3 | <1 | | |
| 27-Oct-17 | 1425 | AFLUENTE GENERAL | | 7.51 | 32 | NA | 27 | 400 | 3090 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 155.67 | 277 | NA | 0.1 | 72 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 26 y 27-Oct-17 | 1432 | EFLUENTE GENERAL | | 8.15 | 32 | 19 | 23 | 35 | 2570 | Ausente | NA | 3.85 | <0.025 | <0.050 | 0.015 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.024 | 1167.50 | 2589.1 | <9.0 | <0.1 | 60 | 3.68 | 36.96 | 43.30 | 0.9163 | 0.819 | 45.0353 | NA | <3 | <1 | | |
| 09-Nov-17 | 1476 | AFLUENTE GENERAL | | 7.13 | 25 | NA | 27 | 62 | 2530 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 135.33 | 344 | 30.62 | 1.0 | 168 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 08 y 09-Nov-17 | 1483 | EFLUENTE GENERAL | | 7.96 | 25 | 16 | 22 | 29 | 2450 | Ausente | NA | 3.04 | <0.025 | <0.050 | 0.046 | <0.050 | 0.02 | <0.005 | <0.050 | 0.057 | 0.03 | 6.10 | 96 | <9.0 | <0.1 | 40 | 4.06 | 37.33 | 43.30 | 1.4943 | 1.816 | 46.6103 | NA | <3 | <1 | | |
| 28 y 29-Nov-17 | 1565 | EFLUENTE GENERAL | | 7.86 | 16 | 10 | 18 | 14 | 2220 | Ausente | NA | 4.87 | <0.025 | <0.050 | 0.012 | <0.050 | <0.020 | <0.005 | <0.050 | 0.06 | <0.020 | <1.22 | 90.56 | <9.0 | <0.1 | 32 | 4.69 | 40.32 | 44.42 | 0.9911 | 0.542 | 45.9531 | NA | <3 | <1 | | |
| 07-Dic-17 | 1600 | AFLUENTE GENERAL | | 7.42 | 16 | NA | 34 | 47 | 3260 | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 148.67 | 385 | 21.66 | <0.1 | 58 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 06 y 07-Dic-17 | 1607 | EFLUENTE GENERAL | | 7.98 | 16 | 10 | 14 | 18 | 2300 | Ausente | NA | 8.12 | <0.025 | <0.050 | 0.019 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 2.05 | 67.53 | <9.0 | <0.1 | 28 | 3.93 | 41.81 | 49.09 | 1.0856 | 1.023 | 51.1986 | NA | <3 | <1 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|------|-------|-------|-------|--------|---------|----------|----------|-------|----------|----------|-------|----------|----------|----------|----------|----------|-------|--------|--------|--------|-------|-------|--------|-------|-------|--------|-------|---------|----------|----------|----------|----------|----------|
| Afluente | Maximo | 7.58 | 36.00 | 0.00 | 34.00 | 400.00 | 3260.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 335.00 | 487.00 | 37.76 | 1.40 | 180.00 | 0.00 | 34.16 | 39.76 | 0.00 | 0.00 | 0.00 | 0.00E+00 | 0.00E+00 | 0.00 | |
| | Promedio | 7.39 | 28.22 | ##### | 28.27 | 102.73 | 2446.91 | #iDIV/0! | #iDIV/0! | ##### | #iDIV/0! | #iDIV/0! | ##### | #iDIV/0! | #iDIV/0! | #iDIV/0! | #iDIV/0! | #iDIV/0! | ##### | ##### | 182.06 | 381.09 | 29.28 | 0.67 | 112.50 | ##### | 34.16 | 39.76 | ##### | ##### | #iDIV/0! | #iDIV/0! | #iDIV/0! | #iDIV/0! | #iDIV/0! |
| | Minimo | 7.13 | 16.00 | 0.00 | 19.00 | 35.00 | 1894.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 115.00 | 277.00 | 21.66 | 0.10 | 58.00 | 0.00 | 34.16 | 39.76 | 0.00 | 0.00 | 0.00 | 0.00E+00 | 0.00E+00 | 0.00 | |
| Efluente | Maximo | 8.33 | 37 | 30 | 31 | 59 | 2570 | 0 | 0 | 8.12 | 0.00139 | 0.00015 | 0.094 | 0.00031 | 0.02 | 0.0005 | 0.00015 | 0.06 | 0.03 | 1167.5 | 2589.1 | 0 | 0 | 76 | 6.36 | 50.4 | 56.56 | 1.4943 | 6.174 | 56.8247 | 0.00E+00 | 3.97E+03 | 0 | | |
| | Promedio | 7.98 | 26.93 | 18.20 | 22.93 | 35.93 | 2202.73 | #iDIV/0! | #iDIV/0! | 4.38 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.02 | 90.20 | 277.12 | ##### | ##### | 45.73 | 4.83 | 38.79 | 44.56 | 0.56 | 1.24 | 46.36 | | | | | |

COMISIÓN ESTATAL DE SERVICIOS PÚBLICOS DE MEXICALI
SUBDIRECCIÓN AGUA Y SANAMIENTO
DEPARTAMENTO DE CONTROL DE PROCESOS
RESUMEN DE ANÁLISIS FÍSICOQUÍMICOS DE AFLUENTE Y EFLENTE DE PTARS

Sistema: PTAR Arenitas
Capacidad de diseño: 840 lps
Gasto promedio anual:

Año de Construcción: 2007
Población beneficiada:

Sitio de descarga: Dren sur 10+067, ramal O-249 del dren dos tubos, Coordenadas Longitud 115° 17' 30.0", Latitud 23° 21' 42.0"
Tipo de Tratamiento: Lagunas Aireadas Mezcla Parcial

NA: NO ANALIZADO
ND: NO DETECTADO

| FECHA | No. de Muestra | DESCRIPCIÓN DEL SITO | Gasto lps | pH | TEMP. AMB. °C | TEMP. AGUA Compuesta °C | TEMP. AGUA Simple °C | TURBIDEDAD U.T.N. | CONDUCTIVIDAD µmhos/cm | MATERIA FLOTANTE | COLOR APARENTE | OXIGENO DISUUELTO | ARSENICO | CADMIO | CIANURO | CROMO | COBRE | MERCURIO | NIQUEL | PLOMO | ZINC | DBO5 | DCO | GRASAS Y ACEITES | S. SED. | S.S.T. | S.D.T. | FOSFORO TOTAL | NITRÓGENO AMONICAL | NITRÓGENO KJEDHL | NITRATOS | NITRITOS | NITRÓGENO TOTAL | COLIFORMES TOTALES | COLIFORMES FECALES NMP/100 ml | HEVEDOS DE HELVOSI | | | |
|---------------------------|----------------|-------------------------------|--------------|----|------------------|-------------------------------|----------------------------|----------------------|---------------------------|---------------------|-------------------|----------------------|----------|---------|---------|---------|---------|----------|--------|---------|--------|--------|--------|---------------------|---------|--------|--------|------------------|-----------------------|---------------------|----------|----------|--------------------|-----------------------|-------------------------------------|-----------------------|---------|---------|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ausente | U Pt-Co | ppm |
| LMP NOM 001 SEMARNAT-1996 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13-Ene-17 | 0039 | AFLUENTE GENERAL | 7.29 | 16 | NA | 21 | 195 | 2470 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 223.5 | 695 | 74.6 | 3.5 | 316.6 | NA | NA | 36.96 | 50.96 | NA | NA | NA | NA | NA | NA | NA | NA | |
| 12 y 13-Ene-17 | 0046 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.28 | 16 | 9 | 14 | 167 | 2230 | | Ausente | NA | ND | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.033 | 16.27 | 159.6 | <9.0 | <-0.1 | 36.0 | NA | 5.42 | 35.84 | 41.61 | 0.0735 | 0.0694 | 41.9529 | NA | 2.98E+03 | NA | <1 | | |
| 19-Ene-17 | 0062 | AFLUENTE GENERAL | 7.27 | 13 | NA | 21 | 177 | 2560 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 243.50 | 671 | 63.07 | 2.4 | 243.33 | NA | NA | 44.24 | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 18 y 19-Ene-17 | 0069 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.21 | 13 | 10 | 15 | 161 | 2270 | | Ausente | NA | ND | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | 0.053 | 0.035 | 29.80 | 159.6 | <9.0 | <-0.1 | 24.0 | NA | 5.40 | 35.84 | 41.44 | 0.0284 | 0.0618 | 41.5302 | NA | 2.94E+03 | NA | <1 | | |
| 03-feb-17 | 0138 | AFLUENTE GENERAL | 7.08 | 19 | NA | 20 | 161 | 2270 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 264.00 | 743 | 61.72 | 2.0 | 164.0 | NA | NA | 41.72 | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 02 y 03-Feb-17 | 0145 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.33 | 20 | 9 | 15 | 186 | 2310 | | Ausente | NA | 0.81 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.023 | 54.80 | 172.80 | <9.0 | <-0.1 | 20.0 | NA | 5.20 | 35.84 | 43.68 | 0.1204 | 0.0569 | 43.8573 | NA | <3 | <1 | | | |
| 17-feb-17 | 0222 | AFLUENTE GENERAL | 7.10 | 18 | NA | 21 | 152 | 2310 | | Ausente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 284.00 | 701 | 51.82 | 2.4 | 180.0 | NA | NA | 45.92 | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 16 y 17-Feb-17 | 0229 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.18 | 19 | 12 | 17 | 178 | 2390 | | Ausente | NA | 5.07 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 44.70 | 187.28 | 9.45 | <-0.1 | 60.0 | NA | 5.39 | 34.72 | 40.69 | 0.1000 | 0.0673 | 40.7673 | NA | 4.19E+02 | NA | <1 | | |
| 02 y 03-Mzo-17 | 0290 | AFLUENTE GENERAL | 7.42 | 19 | 18 | 21 | 143 | 2280 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 274.0 | 607 | 101.43 | 1.9 | 180.0 | NA | NA | 43.12 | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 02 y 03-Mzo-17 | 0297 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.09 | 20 | 12 | 17 | 141 | 2370 | | Ausente | NA | 1.82 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.027 | 21.67 | 179.20 | <9.0 | <-0.1 | 60.0 | NA | 5.76 | 34.34 | 41.43 | 0.0303 | 0.0687 | 41.5290 | NA | <3 | <1 | | | |
| 16 y 17-Mzo-17 | 0376 | AFLUENTE GENERAL | 7.04 | 28 | 22 | 24 | 197 | 2190 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 263.50 | 647 | 66.74 | 3.0 | 228.0 | NA | NA | 37.52 | 50.12 | NA | NA | NA | NA | NA | NA | NA | NA | |
| 16 y 17-Mzo-17 | 0383 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.06 | 29 | 20 | 24 | 73 | 2340 | | Ausente | NA | 1.82 | <0.010 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | 0.024 | 56.80 | 201.60 | <9.0 | <-0.1 | 24.0 | NA | 5.67 | 31.92 | 41.25 | 0.0015 | 0.0787 | 41.3302 | NA | 9.64E+00 | NA | <1 | | |
| 04 y 05-Abr-17 | 0454 | AFLUENTE GENERAL | 7.72 | 27 | 21 | 26 | 151 | 2260 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 193.0 | 601 | 51.15 | 3.0 | 245.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 04 y 05-Abr-17 | 0462 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.15 | 29 | 22 | 25 | 66 | 2270 | | Ausente | NA | 2.43 | 0.00139 | 0.00015 | <0.010 | 0.0093 | 0.00022 | 0.00005 | 0.0109 | 0.00154 | 0.013 | 17.60 | 142.35 | <9.0 | <-0.1 | 60.0 | NA | 6.61 | 33.97 | 44.05 | 0.0137 | 0.0718 | 44.1355 | NA | 4.21E+00 | NA | <1 | | |
| 17 y 18-Abr-17 | 0495 | AFLUENTE GENERAL | 8.80 | 29 | 27 | 27 | 157 | 2010 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 243.50 | 534 | 72.33 | 2.5 | 177.14 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 17 y 18-Abr-17 | 0502 | EFL. GRAL. DE LAG. ARTIFICIAL | 7.85 | 29 | 21 | 24 | 107 | 2270 | | Ausente | NA | 1.42 | 0.00139 | 0.00015 | <0.010 | 0.004 | 0.0047 | 0.000096 | 0.0099 | 0.00154 | 0.0125 | 20.30 | 163.20 | <9.0 | <-0.1 | 48.0 | NA | 6.93 | 33.04 | 41.62 | 0.0100 | 0.0825 | 41.7125 | NA | 8.45E+00 | NA | <1 | | |
| 02 y 03-May-17 | 0583 | AFLUENTE GENERAL | 7.53 | 31 | 26 | 29 | 155 | 2090 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 263.50 | 557 | 53.51 | 2.5 | 176.7 | NA | NA | 41.16 | 51.80 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02 y 03-May-17 | 0590 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.18 | 33 | 23 | 26 | 84 | 2150 | | Ausente | NA | 1.4 | 0.00139 | 0.00015 | <0.010 | 0.0039 | 0.00022 | 0.000080 | 0.0084 | 0.00154 | 0.0082 | 29.80 | 187.2 | <9.0 | <-0.1 | 64.0 | NA | 6.78 | 29.86 | 40.31 | 0.1128 | 0.2534 | 40.6762 | NA | <3 | <1 | | | |
| 12-May-17 | 0645 | AFLUENTE GENERAL | 7.26 | 29 | NA | 28 | 129 | 2200 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 253.50 | 539 | 52.43 | 2.0 | 163.33 | NA | NA | 33.60 | 44.80 | NA | NA | NA | NA | NA | NA | NA | NA | |
| 11 y 12-May-17 | 0652 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.33 | 27 | 20 | 25 | 100 | 2170 | | Ausente | NA | 2.44 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.0005 | 0.0079 | 0.00154 | 0.0095 | 14.70 | 176.71 | <9.0 | <-0.1 | 96.0 | NA | 6.72 | 31.73 | 41.62 | 0.1381 | 0.3667 | 42.1248 | NA | 9.30E+02 | NA | <1 | | |
| 06-jun-17 | 0763 | AFLUENTE GENERAL | 7.58 | 29 | 28 | 30 | 132 | 2040 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 213.00 | 507 | 54.22 | 2.4 | 163.3 | NA | NA | 39.20 | 52.36 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 05 y 06-Jun-17 | 0772 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.23 | 32 | 24 | 27 | 92 | 2220 | | Ausente | NA | 2.63 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.000041 | 0.0075 | 0.00154 | 0.007 | 23.35 | 158.4 | <9.0 | <-0.1 | 40.0 | NA | 5.65 | 27.06 | 36.02 | 0.0635 | 0.1308 | 36.2143 | NA | 9.14E+00 | NA | <1 | | |
| 16-jun-17 | 0824 | AFLUENTE GENERAL | 7.19 | 34 | NA | 31 | 96 | 2100 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 304.50 | 511 | 32.90 | 1.5 | 114.0 | NA | NA | 34.44 | 42.28 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 15 y 16-Jun-17 | 0831 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.18 | 35 | 24 | 28 | 68 | 2260 | | Ausente | NA | 1.42 | 0.00139 | 0.00015 | <0.010 | 0.00031 | 0.00022 | 0.000283 | 0.0223 | 0.00154 | 0.05 | 28.40 | 120.0 | <9.0 | <-0.1 | <20 | NA | 5.12 | 26.88 | 32.66 | 0.0463 | 0.1575 | 32.8638 | NA | <3 | <1 | | | |
| 13 y 14-Jul-17 | 0936 | AFLUENTE GENERAL | 7.42 | 35 | 33 | 32 | 109 | 2110 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 169.00 | 358 | 42.05 | 1.5 | 166.67 | NA | NA | 36.40 | 45.92 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 13 y 14-Jul-17 | 0943 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.22 | 35 | 30 | 31 | 90 | 2190 | | Ausente | NA | ND | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | 0.000027 | <0.050 | <0.050 | 0.022 | 31.13 | 142.56 | <9.0 | <-0.1 | 60.0 | NA | 5.12 | 20.53 | 27.99 | 0.0609 | 0.154 | 28.1455 | NA | 3.28E+01 | NA | <1 | | |
| 24 y 25-Jul-17 | 0974 | AFLUENTE GENERAL | 7.55 | 33 | 30 | 33 | 135 | 2060 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 182.50 | 486 | 32.76 | 1.8 | 170.0 | NA | NA | 34.72 | 47.6 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 24 y 25-Jul-17 | 0981 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.33 | 33 | 25 | 31 | 72 | 2170 | | Ausente | NA | 0.85 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 12.20 | 133.06 | <9.0 | <-0.1 | 42.0 | NA | 5.08 | 17.92 | 25.38 | 0.0727 | 0.229 | 25.6105 | NA | 6.23E+00 | NA | <1 | | |
| 02 y 03-Ago-17 | 1021 | AFLUENTE GENERAL | 7.57 | 35 | 32 | 34 | 110 | 2120 | | Presente | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 169.00 | 426 | 34.71 | 1.5 | 280.0 | NA | NA | 34.44 | 48.44 | NA | NA | NA | NA | NA | NA | NA | NA | |
| 02 y 03-Ago-17 | 1028 | EFL. GRAL. DE LAG. ARTIFICIAL | 8.31 | 35 | 29 | 32 | 92 | 2160 | | Ausente | NA | 4.87 | <0.025 | <0.050 | <0.010 | <0.050 | <0.020 | <0.005 | <0.050 | <0.050 | <0.020 | 16.20 | 153.6 | <9.0 | <-0.1 | 68.0 | NA | 5.20 | 17.17 | 25.57 | 0.0654 | 0.262 | 25.83 | | | | | | |

