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|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 28-01-2014</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 1</b>       |

|                                           |                                                                                                    |                                                            |
|-------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000155                 | <b>Nombre del punto:</b> RIO GIGÜELA - Tablas de Daimiel - Entrada Parque Nacional (Cerro Pochela) | <b>Cauce:</b> RIO GIGÜELA                                  |
| <b>Código de la masa de agua:</b> 20661   | <b>Nombre de la masa de agua:</b> EMBALSE PRESA DE PUENTE NAVARRO                                  |                                                            |
| <b>Localidad:</b> Villarrubia de los Ojos | <b>Provincia:</b> Ciudad Real                                                                      | <b>UTM X:</b> 442135 <b>UTM Y:</b> 4336649 <b>Huso:</b> 30 |

|                                          |       | ENERO | FEBRERO | MARZO<br>25-03-2013 | ABRIL<br>29-04-2013 | MAYO<br>27-05-2013 | JUNIO<br>24-06-2013 | JULIO<br>30-07-2013 | AGOSTO<br>27-08-2013 | SEPTIEMBRE<br>24-09-2013 | OCTUBRE<br>29-10-2013 | NOVIEMBRE<br>26-11-2013 | DICIEMBRE<br>17-12-2013 |
|------------------------------------------|-------|-------|---------|---------------------|---------------------|--------------------|---------------------|---------------------|----------------------|--------------------------|-----------------------|-------------------------|-------------------------|
| % Oxígeno (in situ)                      | % SAT | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Cloro residual total (in situ)           | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Color aparente (in situ)                 | ----- | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Conductividad a 20 °C (in situ)          | µS/cm | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | 4250                 | ---                      | ---                   | ---                     | ---                     |
| Nitritos (in situ)                       | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Olor (in situ)                           | ----- | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Oxígeno disuelto (in situ)               | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | 6,7                  | ---                      | ---                   | ---                     | ---                     |
| pH (in situ)                             | pH    | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Temperatura del agua "in situ" (in situ) | °C    | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | 25,1                 | ---                      | ---                   | ---                     | ---                     |
| Alcalinidad total                        | mg/L  | ---   | ---     | 181,4               | 196,9               | 220,7              | 233,0               | 223,2               | 257,5                | 256,7                    | 247,1                 | 259,4                   | 251,7                   |
| Aluminio                                 | mg/L  | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | < 0,1000             | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Amonio total                             | mg/L  | ---   | ---     | 0,14                | 0,15                | 0,11               | 0,08                | 0,11                | 0,12                 | 0,11                     | 0,11                  | 0,10                    | 0,13                    |
| Arsénico                                 | µg/L  | ---   | ---     | 7,566               | 1,673               | 3,070              | 5,863               | 12,090              | ---                  | ---                      | ---                   | 6,907                   | 4,977                   |
| Arsénico                                 | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | < 0,025000           | < 0,025000               | < 0,025000            | ---                     | ---                     |
| Aspecto                                  | ----- | ---   | ---     | 2                   | 1                   | 1                  | 1                   | 1                   | 1                    | 2                        | 1                     | 2                       | 1                       |
| Bario                                    | mg/L  | ---   | ---     | 0,0519              | < 0,0500            | < 0,0500           | < 0,0500            | < 0,0500            | < 0,0500             | < 0,0500                 | < 0,0500              | < 0,0500                | < 0,0500                |
| Bicarbonatos                             | mg/L  | ---   | ---     | 181,4               | 196,9               | 220,7              | 233,0               | 223,2               | 257,5                | 256,7                    | 247,1                 | 259,4                   | 251,7                   |
| Boro                                     | mg/L  | ---   | ---     | 0,1147              | < 0,1000            | < 0,1000           | 0,1411              | 0,1633              | 0,1674               | 0,1861                   | 0,1732                | 0,1512                  | 0,1410                  |
| Cadmio                                   | µg/L  | ---   | ---     | < 1,000             | < 1,000             | < 0,100            | < 0,100             | < 0,100             | ---                  | ---                      | ---                   | < 0,100                 | < 0,100                 |
| Cadmio                                   | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | < 0,025000           | < 0,025000               | < 0,025000            | ---                     | ---                     |
| Calcio                                   | mg/L  | ---   | ---     | 359,6000            | 273,6000            | 303,7000           | 493,2000            | 597,4000            | 674,8000             | 683,5000                 | 600,0000              | 622,4000                | 575,2000                |
| Carbonatos                               | mg/L  | ---   | ---     | < 0,1               | < 0,1               | < 0,1              | < 0,1               | < 0,1               | < 0,1                | < 0,1                    | < 0,1                 | < 0,1                   | < 0,1                   |
| Carbono Orgánico Total                   | mg/L  | ---   | ---     | ---                 | ---                 | 5,310              | 10,614              | 10,345              | 12,889               | 18,079                   | 21,120                | 18,708                  | 18,741                  |
| Cianuro Total                            | mg/L  | ---   | ---     | < 0,010             | < 0,010             | < 0,010            | < 0,010             | < 0,010             | < 0,010              | < 0,010                  | < 0,010               | < 0,010                 | < 0,010                 |
| Cinc                                     | mg/L  | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | < 0,1000             | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Clorofilas A                             | mg/m³ | ---   | ---     | ---                 | ---                 | 0,21               | 15,77               | 49,85               | 31,73                | 68,83                    | 230,80                | 98,68                   | 25,33                   |
| Clorofilas B                             | mg/m³ | ---   | ---     | ---                 | ---                 | < 0,01             | < 0,01              | < 0,01              | < 0,01               | < 0,01                   | 43,62                 | < 0,01                  | < 0,01                  |
| Clorofilas C                             | mg/m³ | ---   | ---     | ---                 | ---                 | < 0,01             | < 0,01              | < 0,01              | < 0,01               | < 0,01                   | 12,03                 | 18,54                   | 1,67                    |

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|                                                                                 | <b>Fecha: 28-01-2014</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 2</b>       |

|                                           |                                                                                                    |                                                            |
|-------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000155                 | <b>Nombre del punto:</b> RIO GIGÜELA - Tablas de Daimiel - Entrada Parque Nacional (Cerro Pochela) | <b>Cauce:</b> RIO GIGÜELA                                  |
| <b>Código de la masa de agua:</b> 20661   | <b>Nombre de la masa de agua:</b> EMBALSE PRESA DE PUENTE NAVARRO                                  |                                                            |
| <b>Localidad:</b> Villarrubia de los Ojos | <b>Provincia:</b> Ciudad Real                                                                      | <b>UTM X:</b> 442135 <b>UTM Y:</b> 4336649 <b>Huso:</b> 30 |

|                                       |       | ENERO | FEBRERO | MARZO<br>25-03-2013 | ABRIL<br>29-04-2013 | MAYO<br>27-05-2013 | JUNIO<br>24-06-2013 | JULIO<br>30-07-2013 | AGOSTO<br>27-08-2013 | SEPTIEMBRE<br>24-09-2013 | OCTUBRE<br>29-10-2013 | NOVIEMBRE<br>26-11-2013 | DICIEMBRE<br>17-12-2013 |
|---------------------------------------|-------|-------|---------|---------------------|---------------------|--------------------|---------------------|---------------------|----------------------|--------------------------|-----------------------|-------------------------|-------------------------|
| Cloruros                              | mg/L  | ---   | ---     | 220,1               | 68,6                | 101,3              | 156,3               | 297,0               | 368,8                | 433,8                    | 369,9                 | 393,4                   | 334,9                   |
| Cobalto                               | mg/L  | ---   | ---     | < 0,0500            | < 0,0500            | < 0,0500           | < 0,0500            | < 0,0500            | < 0,0500             | < 0,0500                 | < 0,0500              | < 0,0500                | < 0,0500                |
| Cobre                                 | mg/L  | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | < 0,1000             | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Color                                 | mg/L  | ---   | ---     | 46,6                | 15,0                | 23,6               | 28,9                | 29,2                | 31,2                 | 35,6                     | 44,9                  | 46,5                    | 41,4                    |
| Conductividad a 20 °C                 | µS/cm | ---   | ---     | 2592                | 1525                | 1835               | 2705                | 3485                | 4007                 | 4191                     | 3954                  | 3901                    | 3527                    |
| Cromo                                 | µg/L  | ---   | ---     | < 2,000             | < 2,000             | < 1,000            | < 1,000             | < 1,000             | ---                  | ---                      | ---                   | < 1,000                 | < 1,000                 |
| Cromo                                 | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | < 0,025000           | < 0,025000               | < 0,025000            | ---                     | ---                     |
| D.B.O. 5d                             | mg/L  | ---   | ---     | 14,4                | 1,6                 | 2,5                | 1,9                 | 4,1                 | 2,1                  | 6,8                      | 12,0                  | 5,2                     | 3,9                     |
| D.Q.O. 10min (Índice de Permanganato) | mg/L  | ---   | ---     | 15,8                | 5,6                 | 7,8                | 10,3                | 10,2                | 14,0                 | 16,6                     | 25,4                  | 24,2                    | 14,2                    |
| Dureza permanente                     | mg/L  | ---   | ---     | 1305,9              | 737,5               | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Dureza total                          | mg/L  | ---   | ---     | 1487,3              | 934,4               | 1095,5             | 1905,0              | 2335,6              | 2779,6               | 2832,7                   | 2553,1                | 2750,8                  | 2419,4                  |
| Estaño                                | mg/L  | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | < 0,1000             | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Estroncio                             | mg/L  | ---   | ---     | 8,2120              | 5,2670              | 6,0540             | 9,8260              | 13,4420             | 14,6520              | 14,7720                  | 16,0660               | 14,6160                 | 13,5080                 |
| Fenoles                               | mg/L  | ---   | ---     | < 0,050             | < 0,050             | < 0,050            | < 0,050             | < 0,050             | < 0,050              | < 0,050                  | < 0,050               | < 0,050                 | < 0,050                 |
| Fluoruros                             | mg/L  | ---   | ---     | 0,63                | 0,48                | 0,57               | 0,64                | 1,03                | 1,10                 | 1,00                     | 0,90                  | 0,91                    | 0,85                    |
| Fosfatos                              | mg/L  | ---   | ---     | 0,05                | 0,08                | < 0,05             | < 0,05              | 0,23                | 0,13                 | < 0,05                   | < 0,05                | < 0,05                  | < 0,05                  |
| Fósforo total                         | mg/L  | ---   | ---     | 0,2766              | < 0,1000            | < 0,1000           | < 0,1000            | 0,2409              | 0,1992               | 0,1739                   | 0,1464                | 0,1314                  | 0,1337                  |
| Hidróxidos                            | mg/L  | ---   | ---     | < 0,1               | < 0,1               | < 0,1              | < 0,1               | < 0,1               | < 0,1                | < 0,1                    | < 0,1                 | < 0,1                   | < 0,1                   |
| Hierro                                | mg/L  | ---   | ---     | 0,2018              | 0,1042              | < 0,1000           | 0,1028              | 0,4207              | 0,1767               | < 0,1000                 | 0,1784                | 0,1830                  | 0,1761                  |
| Magnesio                              | mg/L  | ---   | ---     | 142,8000            | 60,7700             | 81,6200            | 163,1000            | 204,4000            | 265,2000             | 272,8000                 | 255,6000              | 290,0000                | 238,2000                |
| Manganeso                             | mg/L  | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | 0,2970              | 0,2358               | 0,1495                   | 0,1572                | < 0,1000                | < 0,1000                |
| Mercurio                              | mg/L  | ---   | ---     | < 0,000050          | < 0,000050          | < 0,000050         | < 0,000050          | < 0,000050          | < 0,000050           | < 0,000050               | < 0,000050            | < 0,000050              | < 0,000050              |
| Níquel                                | mg/L  | ---   | ---     | < 0,0500            | < 0,0500            | < 0,0500           | < 0,0500            | < 0,0500            | < 0,0500             | < 0,0500                 | < 0,0500              | < 0,0500                | < 0,0500                |
| Nitratos                              | mg/L  | ---   | ---     | ---                 | 13,9                | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Nitrógeno total                       | mg/L  | ---   | ---     | ---                 | ---                 | < 1,000            | 1,011               | 1,106               | 1,126                | 1570,292                 | 2,673                 | 2,021                   | 1,936                   |
| Oxígeno disuelto                      | mg/L  | ---   | ---     | 9,2                 | 9,0                 | 9,2                | 8,4                 | 6,8                 | 8,0                  | 8,3                      | 7,5                   | 9,9                     | 10,4                    |
| pH                                    | pH    | ---   | ---     | 7,8                 | 7,9                 | 8,0                | 7,9                 | 7,5                 | 7,9                  | 8,0                      | 7,6                   | 7,8                     | 7,8                     |
| Plomo                                 | µg/L  | ---   | ---     | < 1,000             | < 1,000             | < 1,000            | < 1,000             | < 1,000             | ---                  | ---                      | ---                   | < 1,000                 | < 1,000                 |
| Plomo                                 | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | < 0,025000           | < 0,025000               | < 0,025000            | ---                     | ---                     |

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|                                                                                 | <b>Fecha: 28-01-2014</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 3</b>       |

|                                           |                                                                                                    |                                                            |
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| <b>Código:</b> GN00000155                 | <b>Nombre del punto:</b> RIO GIGÜELA - Tablas de Daimiel - Entrada Parque Nacional (Cerro Pochela) | <b>Cauce:</b> RIO GIGÜELA                                  |
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| <b>Localidad:</b> Villarrubia de los Ojos | <b>Provincia:</b> Ciudad Real                                                                      | <b>UTM X:</b> 442135 <b>UTM Y:</b> 4336649 <b>Huso:</b> 30 |

|                                   |         | ENERO | FEBRERO | MARZO<br>25-03-2013 | ABRIL<br>29-04-2013 | MAYO<br>27-05-2013 | JUNIO<br>24-06-2013 | JULIO<br>30-07-2013 | AGOSTO<br>27-08-2013 | SEPTIEMBRE<br>24-09-2013 | OCTUBRE<br>29-10-2013 | NOVIEMBRE<br>26-11-2013 | DICIEMBRE<br>17-12-2013 |
|-----------------------------------|---------|-------|---------|---------------------|---------------------|--------------------|---------------------|---------------------|----------------------|--------------------------|-----------------------|-------------------------|-------------------------|
| Potasio                           | mg/L    | ---   | ---     | 16,1000             | 6,8630              | 5,0350             | 8,5740              | 14,6600             | 17,1020              | 16,0100                  | 14,4200               | 17,5200                 | 15,2700                 |
| Recuento de Coliformes<br>totales | UFC/100 | ---   | ---     | 28000               | 7000                | 5000               | < 10                | 400                 | 200000               | 150000                   | < 10                  | 300                     | 5100                    |
| Selenio                           | µg/L    | ---   | ---     | ---                 | < 1,000             | < 2,000            | 4,385               | ---                 | ---                  | ---                      | ---                   | < 2,000                 | < 2,000                 |
| Selenio                           | mg/L    | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | < 0,025000           | < 0,025000               | < 0,025000            | ---                     | ---                     |
| Sílice                            | mg/L    | ---   | ---     | 34,4300             | 7,3510              | 11,7600            | 7,6440              | 25,1700             | 29,6900              | 31,6000                  | 32,7000               | 22,8500                 | 17,5700                 |
| Sodio                             | mg/L    | ---   | ---     | 134,1800            | 44,1500             | 57,2200            | 100,8200            | 161,6000            | 198,4500             | 208,2500                 | 196,7500              | 212,5600                | 182,2800                |
| Sólidos en Suspensión             | mg/L    | ---   | ---     | 64                  | 14                  | 104                | 18                  | 13                  | 16                   | 20                       | 24                    | 18                      | < 10                    |
| Sulfatos                          | mg/L    | ---   | ---     | 1243,6              | 677,3               | 884,1              | 1655,5              | 1981,9              | 2272,7               | 2570,6                   | 2159,6                | 2212,9                  | 1918,6                  |