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|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|------------------------|
|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 06-07-2016</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 1</b>       |

|                                         |                                                                     |                                                            |
|-----------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000008               | <b>Nombre del punto:</b> RIO GIGÜELA - R. Ciguela - E.A. Buenavista | <b>Cauce:</b> RIO GIGÜELA                                  |
| <b>Código de la masa de agua:</b> 12039 | <b>Nombre de la masa de agua:</b> RIO GUADIANA-GIGÜELA              |                                                            |
| <b>Localidad:</b> Herencia              | <b>Provincia:</b> Ciudad Real                                       | <b>UTM X:</b> 469059 <b>UTM Y:</b> 4350535 <b>Huso:</b> 30 |

|                                          |       | ENERO<br>26-01-2016 | FEBRERO<br>22-02-2016 | MARZO<br>17-03-2016 | ABRIL<br>27-04-2016 | MAYO<br>10-05-2016 | JUNIO<br>01-06-2016 | JULIO | AGOSTO | SEPTIEMBRE | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|------------------------------------------|-------|---------------------|-----------------------|---------------------|---------------------|--------------------|---------------------|-------|--------|------------|---------|-----------|-----------|
| % Oxígeno (in situ)                      | % SAT | ---                 | ---                   | ---                 | ---                 | 154,6              | 125,1               | ---   | ---    | ---        | ---     | ---       | ---       |
| Cloro residual total (in situ)           | mg/L  | ---                 | ---                   | ---                 | ---                 | ---                | ---                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Color aparente (in situ)                 | ----- | ---                 | ---                   | ---                 | ---                 | ---                | ---                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Conductividad a 20 °C (in situ)          | µS/cm | ---                 | ---                   | ---                 | ---                 | 3680               | 3220                | ---   | ---    | ---        | ---     | ---       | ---       |
| Nitritos (in situ)                       | mg/L  | ---                 | ---                   | ---                 | ---                 | ---                | ---                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Olor (in situ)                           | ----- | ---                 | ---                   | ---                 | ---                 | ---                | ---                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Oxígeno disuelto (in situ)               | mg/L  | ---                 | ---                   | ---                 | ---                 | 14,4               | 10,7                | ---   | ---    | ---        | ---     | ---       | ---       |
| pH (in situ)                             | pH    | ---                 | ---                   | ---                 | ---                 | 8,3                | 8,3                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Temperatura del agua "in situ" (in situ) | °C    | ---                 | ---                   | ---                 | ---                 | 14,7               | 19,3                | ---   | ---    | ---        | ---     | ---       | ---       |
| Alcalinidad total                        | mg/L  | ---                 | ---                   | ---                 | ---                 | 232,8              | 229,9               | ---   | ---    | ---        | ---     | ---       | ---       |
| Aluminio                                 | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,1000           | < 0,1000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Amonio total                             | mg/L  | ---                 | ---                   | ---                 | ---                 | 0,11               | 0,10                | ---   | ---    | ---        | ---     | ---       | ---       |
| Arsénico                                 | µg/L  | ---                 | ---                   | ---                 | ---                 | 2,339              | 2,249               | ---   | ---    | ---        | ---     | ---       | ---       |
| Aspecto                                  | ----- | ---                 | ---                   | ---                 | ---                 | 1                  | 1                   | ---   | ---    | ---        | ---     | ---       | ---       |
| Bario                                    | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,0500           | < 0,0500            | ---   | ---    | ---        | ---     | ---       | ---       |
| Bicarbonatos                             | mg/L  | ---                 | ---                   | ---                 | ---                 | 232,8              | 229,9               | ---   | ---    | ---        | ---     | ---       | ---       |
| Boro                                     | mg/L  | ---                 | ---                   | ---                 | ---                 | 0,1705             | < 0,1000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Cadmio                                   | µg/L  | ---                 | ---                   | ---                 | ---                 | < 0,100            | < 0,100             | ---   | ---    | ---        | ---     | ---       | ---       |
| Calcio                                   | mg/L  | ---                 | ---                   | ---                 | ---                 | 481,2000           | 466,6000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Carbonatos                               | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,1              | < 0,1               | ---   | ---    | ---        | ---     | ---       | ---       |
| Cianuro Total                            | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,010            | < 0,010             | ---   | ---    | ---        | ---     | ---       | ---       |
| Cinc                                     | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,1000           | < 0,1000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Cloruros                                 | mg/L  | ---                 | ---                   | ---                 | ---                 | 257,0              | 157,9               | ---   | ---    | ---        | ---     | ---       | ---       |
| Cobalto                                  | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,0500           | < 0,0500            | ---   | ---    | ---        | ---     | ---       | ---       |
| Cobre                                    | µg/L  | ---                 | ---                   | ---                 | ---                 | 4,040              | 5,543               | ---   | ---    | ---        | ---     | ---       | ---       |
| Cobre                                    | mg/L  | ---                 | ---                   | ---                 | ---                 | ---                | ---                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Color                                    | mg/L  | ---                 | ---                   | ---                 | ---                 | 20,9               | 15,9                | ---   | ---    | ---        | ---     | ---       | ---       |

|                                                                                 |                                                |                                                    |                 |                        |
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|                                                                                 | <b>Fecha: 06-07-2016</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 2</b>       |

|                                         |                                                                     |                                                            |
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| <b>Código de la masa de agua:</b> 12039 | <b>Nombre de la masa de agua:</b> RIO GUADIANA-GIGÜELA              |                                                            |
| <b>Localidad:</b> Herencia              | <b>Provincia:</b> Ciudad Real                                       | <b>UTM X:</b> 469059 <b>UTM Y:</b> 4350535 <b>Huso:</b> 30 |

|                                       |       | ENERO<br>26-01-2016 | FEBRERO<br>22-02-2016 | MARZO<br>17-03-2016 | ABRIL<br>27-04-2016 | MAYO<br>10-05-2016 | JUNIO<br>01-06-2016 | JULIO | AGOSTO | SEPTIEMBRE | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|---------------------------------------|-------|---------------------|-----------------------|---------------------|---------------------|--------------------|---------------------|-------|--------|------------|---------|-----------|-----------|
| Conductividad a 20 °C                 | µS/cm | ---                 | ---                   | ---                 | ---                 | 3173               | 2782                | ---   | ---    | ---        | ---     | ---       | ---       |
| Cromo                                 | µg/L  | ---                 | ---                   | ---                 | ---                 | < 5,000            | < 5,000             | ---   | ---    | ---        | ---     | ---       | ---       |
| D.B.O. 5d                             | mg/L  | ---                 | ---                   | ---                 | ---                 | 3,1                | 1,8                 | ---   | ---    | ---        | ---     | ---       | ---       |
| D.Q.O. 10min (Índice de Permanganato) | mg/L  | ---                 | ---                   | ---                 | ---                 | 8,7                | 5,5                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Dureza total                          | mg/L  | ---                 | ---                   | ---                 | ---                 | 1807,4             | 1674,9              | ---   | ---    | ---        | ---     | ---       | ---       |
| Estaño                                | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,1000           | < 0,1000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Estroncio                             | mg/L  | ---                 | ---                   | ---                 | ---                 | 9,9140             | 10,2400             | ---   | ---    | ---        | ---     | ---       | ---       |
| Fenoles                               | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,050            | < 0,050             | ---   | ---    | ---        | ---     | ---       | ---       |
| Fluoruros                             | mg/L  | ---                 | ---                   | ---                 | ---                 | 0,92               | 0,89                | ---   | ---    | ---        | ---     | ---       | ---       |
| Fosfatos                              | mg/L  | ---                 | ---                   | ---                 | ---                 | 0,18               | < 0,05              | ---   | ---    | ---        | ---     | ---       | ---       |
| Fósforo total                         | mg/L  | ---                 | ---                   | ---                 | ---                 | 0,1087             | < 0,1000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Hidróxidos                            | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,1              | < 0,1               | ---   | ---    | ---        | ---     | ---       | ---       |
| Hierro                                | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,1000           | < 0,1000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Magnesio                              | mg/L  | ---                 | ---                   | ---                 | ---                 | 146,7000           | 123,4000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Manganeso                             | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,1000           | < 0,1000            | ---   | ---    | ---        | ---     | ---       | ---       |
| Mercurio                              | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,000050         | < 0,000050          | ---   | ---    | ---        | ---     | ---       | ---       |
| Níquel                                | mg/L  | ---                 | ---                   | ---                 | ---                 | < 0,0500           | < 0,0500            | ---   | ---    | ---        | ---     | ---       | ---       |
| Nitratos                              | mg/L  | ---                 | ---                   | ---                 | ---                 | 6,2                | 5,0                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Oxígeno disuelto                      | mg/L  | ---                 | ---                   | ---                 | ---                 | 13,7               | 11,3                | ---   | ---    | ---        | ---     | ---       | ---       |
| pH                                    | pH    | ---                 | ---                   | ---                 | ---                 | 8,1                | 8,1                 | ---   | ---    | ---        | ---     | ---       | ---       |
| Plomo                                 | µg/L  | ---                 | ---                   | ---                 | ---                 | < 1,000            | < 1,000             | ---   | ---    | ---        | ---     | ---       | ---       |
| Potasio                               | mg/L  | ---                 | ---                   | ---                 | ---                 | 26,0400            | 19,9800             | ---   | ---    | ---        | ---     | ---       | ---       |
| Selenio                               | µg/L  | ---                 | ---                   | ---                 | ---                 | 4,820              | 3,335               | ---   | ---    | ---        | ---     | ---       | ---       |
| Sílice                                | mg/L  | ---                 | ---                   | ---                 | ---                 | 4,5040             | < 0,8560            | ---   | ---    | ---        | ---     | ---       | ---       |
| Sodio                                 | mg/L  | ---                 | ---                   | ---                 | ---                 | 207,5500           | 122,2400            | ---   | ---    | ---        | ---     | ---       | ---       |
| Sólidos en Suspensión                 | mg/L  | ---                 | ---                   | ---                 | ---                 | < 10               | < 10                | ---   | ---    | ---        | ---     | ---       | ---       |
| Sulfatos                              | mg/L  | ---                 | ---                   | ---                 | ---                 | 1744,5             | 1626,0              | ---   | ---    | ---        | ---     | ---       | ---       |