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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> GN00000003               | <b>Nombre del punto:</b> RIO AZUER - Ctra. Infantes-Carrizosa | <b>Cauce:</b> RIO AZUER                                    |
| <b>Código de la masa de agua:</b> 13482 | <b>Nombre de la masa de agua:</b> RIO AZUER I                 |                                                            |
| <b>Localidad:</b> Montiel               | <b>Provincia:</b> Ciudad Real                                 | <b>UTM X:</b> 499882 <b>UTM Y:</b> 4296690 <b>Huso:</b> 30 |

|                                          |       | ENERO | FEBRERO | MARZO<br>13-03-2013 | ABRIL<br>09-04-2013 | MAYO<br>13-05-2013 | JUNIO<br>11-06-2013 | JULIO<br>02-07-2013 | AGOSTO | SEPTIEMBRE<br>10-09-2013 | OCTUBRE<br>07-10-2013 | NOVIEMBRE<br>04-11-2013 | DICIEMBRE<br>12-12-2013 |
|------------------------------------------|-------|-------|---------|---------------------|---------------------|--------------------|---------------------|---------------------|--------|--------------------------|-----------------------|-------------------------|-------------------------|
| % Oxígeno (in situ)                      | % SAT | ---   | ---     | 98,2                | 101,4               | 108,9              | 113,8               | 111,5               | ---    | 107,0                    | 102,8                 | 105,0                   | 101,6                   |
| Cloro residual total (in situ)           | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | ---                      | ---                   | ---                     | ---                     |
| Color aparente (in situ)                 | ----- | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | ---                      | ---                   | ---                     | ---                     |
| Conductividad a 20 °C (in situ)          | µS/cm | ---   | ---     | 675                 | 761                 | 792                | 795                 | 803                 | ---    | 880                      | 925                   | 934                     | 1009                    |
| Nitritos (in situ)                       | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | ---                      | ---                   | ---                     | ---                     |
| Olor (in situ)                           | ----- | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | ---                      | ---                   | ---                     | ---                     |
| Oxígeno disuelto (in situ)               | mg/L  | ---   | ---     | 10,4                | 10,1                | 9,2                | 10,3                | 9,4                 | ---    | 8,7                      | 9,3                   | 10,0                    | 10,9                    |
| pH (in situ)                             | pH    | ---   | ---     | 8,3                 | 8,1                 | 8,3                | 8,2                 | 8,2                 | ---    | 8,3                      | 8,1                   | 8,0                     | 8,2                     |
| Temperatura del agua "in situ" (in situ) | °C    | ---   | ---     | 7,2                 | 11,8                | 18,7               | 16,1                | 19,0                | ---    | 21,8                     | 15,8                  | 13,2                    | 8,3                     |
| Alcalinidad total                        | mg/L  | ---   | ---     | 216,7               | 254,5               | 255,6              | 240,9               | 228,8               | ---    | 229,1                    | 254,4                 | 249,9                   | 255,0                   |
| Aluminio                                 | mg/L  | ---   | ---     | 0,1657              | 0,2417              | < 0,1000           | < 0,1000            | < 0,1000            | ---    | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Amonio total                             | mg/L  | ---   | ---     | 0,10                | < 0,05              | 0,05               | < 0,05              | < 0,05              | ---    | < 0,05                   | < 0,05                | < 0,05                  | < 0,05                  |
| Arsénico                                 | µg/L  | ---   | ---     | 1,073               | 1,000               | < 1,000            | < 1,000             | < 1,000             | ---    | ---                      | ---                   | ---                     | < 1,000                 |
| Arsénico                                 | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | < 0,025000               | < 0,025000            | < 0,025000              | ---                     |
| Aspecto                                  | ----- | ---   | ---     | 1                   | 1                   | 1                  | 1                   | 1                   | ---    | 1                        | 1                     | 1                       | 1                       |
| Bario                                    | mg/L  | ---   | ---     | < 0,0500            | < 0,0500            | < 0,0500           | < 0,0500            | < 0,0500            | ---    | < 0,0500                 | < 0,0500              | < 0,0500                | < 0,0500                |
| Bicarbonatos                             | mg/L  | ---   | ---     | 216,7               | 254,5               | 255,6              | 240,9               | 228,8               | ---    | 229,1                    | 254,4                 | 249,9                   | 255,0                   |
| Boro                                     | mg/L  | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | ---    | 0,1393                   | 0,1567                | 0,1526                  | 0,1538                  |
| Cadmio                                   | µg/L  | ---   | ---     | < 1,000             | < 1,000             | < 1,000            | < 0,100             | < 0,100             | ---    | ---                      | ---                   | ---                     | < 0,100                 |
| Cadmio                                   | mg/L  | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | < 0,025000               | < 0,025000            | < 0,025000              | ---                     |
| Calcio                                   | mg/L  | ---   | ---     | 117,7000            | 135,0000            | 128,6000           | 125,6000            | 128,3000            | ---    | 136,9000                 | 151,0000              | 153,8000                | 159,8000                |
| Carbonatos                               | mg/L  | ---   | ---     | < 0,1               | < 0,1               | < 0,1              | < 0,1               | < 0,1               | ---    | < 0,1                    | < 0,1                 | < 0,1                   | < 0,1                   |
| Cianuro Total                            | mg/L  | ---   | ---     | < 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                |
| Cloruros                                 | mg/L  | ---   | ---     | 11,7                | 12,7                | 12,2               | 13,5                | 14,3                | ---    | 17,0                     | 18,7                  | 18,6                    | 19,3                    |
| Cobalto                                  | mg/L  | ---   | ---     | < 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                |
| Color                                    | mg/L  | ---   | ---     | 11,6                | 5,3                 | < 5,0              | < 5,0               | < 5,0               | ---    | < 5,0                    | < 5,0                 | < 5,0                   | < 5,0                   |

|                                                                                 |                                                |                                                    |                 |                        |
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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: 2</b>       |

|                                         |                                                               |                                                            |
|-----------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000003               | <b>Nombre del punto:</b> RIO AZUER - Ctra. Infantes-Carrizosa | <b>Cauce:</b> RIO AZUER                                    |
| <b>Código de la masa de agua:</b> 13482 | <b>Nombre de la masa de agua:</b> RIO AZUER I                 |                                                            |
| <b>Localidad:</b> Montiel               | <b>Provincia:</b> Ciudad Real                                 | <b>UTM X:</b> 499882 <b>UTM Y:</b> 4296690 <b>Huso:</b> 30 |

|                                       |         | ENERO | FEBRERO | MARZO<br>13-03-2013 | ABRIL<br>09-04-2013 | MAYO<br>13-05-2013 | JUNIO<br>11-06-2013 | JULIO<br>02-07-2013 | AGOSTO | SEPTIEMBRE<br>10-09-2013 | OCTUBRE<br>07-10-2013 | NOVIEMBRE<br>04-11-2013 | DICIEMBRE<br>12-12-2013 |
|---------------------------------------|---------|-------|---------|---------------------|---------------------|--------------------|---------------------|---------------------|--------|--------------------------|-----------------------|-------------------------|-------------------------|
| Conductividad a 20 °C                 | µS/cm   | ---   | ---     | 687                 | 762                 | 763                | 777                 | 780                 | ---    | 900                      | 944                   | 947                     | 1015                    |
| Cromo                                 | µg/L    | ---   | ---     | < 2,000             | < 2,000             | < 2,000            | < 1,000             | 2,317               | ---    | ---                      | ---                   | ---                     | < 1,000                 |
| Cromo                                 | mg/L    | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | < 0,025000               | < 0,025000            | < 0,025000              | ---                     |
| D.B.O. 5d                             | mg/L    | ---   | ---     | 0,7                 | 0,7                 | 1,1                | 0,4                 | < 0,4               | ---    | < 0,4                    | 0,8                   | 1,3                     | 0,7                     |
| D.Q.O. 10min (Índice de Permanganato) | mg/L    | ---   | ---     | 7,1                 | 3,4                 | 1,7                | 1,3                 | 2,2                 | ---    | 1,4                      | 1,2                   | 1,2                     | 1,1                     |
| Dureza permanente                     | mg/L    | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | ---                      | ---                   | ---                     | ---                     |
| Dureza total                          | mg/L    | ---   | ---     | 404,4               | 441,9               | 443,0              | 440,4               | 455,4               | ---    | ---                      | 564,7                 | 580,6                   | 612,5                   |
| Estaño                                | mg/L    | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | ---    | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Estroncio                             | mg/L    | ---   | ---     | 0,9423              | 1,0010              | 1,0660             | 1,1820              | 1,3070              | ---    | 1,7010                   | 1,9150                | 1,9860                  | 2,2410                  |
| Fenoles                               | mg/L    | ---   | ---     | < 0,050             | < 0,050             | < 0,050            | < 0,050             | < 0,050             | ---    | < 0,050                  | < 0,050               | < 0,050                 | < 0,050                 |
| Fluoruros                             | mg/L    | ---   | ---     | 0,24                | 0,25                | 0,24               | 0,25                | 0,24                | ---    | 0,27                     | 0,29                  | 0,29                    | 0,29                    |
| Fosfatos                              | mg/L    | ---   | ---     | 0,06                | < 0,05              | < 0,05             | < 0,05              | < 0,05              | ---    | < 0,05                   | < 0,05                | < 0,05                  | < 0,05                  |
| Fósforo total                         | mg/L    | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | ---    | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Hidróxidos                            | mg/L    | ---   | ---     | < 0,1               | < 0,1               | < 0,1              | < 0,1               | < 0,1               | ---    | < 0,1                    | < 0,1                 | < 0,1                   | < 0,1                   |
| Hierro                                | mg/L    | ---   | ---     | 0,1313              | 0,2320              | < 0,1000           | < 0,1000            | < 0,1000            | ---    | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Magnesio                              | mg/L    | ---   | ---     | 26,7300             | 25,3500             | 29,4800            | 30,6800             | 32,6900             | ---    | 39,4100                  | 45,4300               | 47,5900                 | 51,6900                 |
| Manganeso                             | mg/L    | ---   | ---     | < 0,1000            | < 0,1000            | < 0,1000           | < 0,1000            | < 0,1000            | ---    | < 0,1000                 | < 0,1000              | < 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              |
| Níquel                                | mg/L    | ---   | ---     | < 0,0500            | < 0,0500            | < 0,0500           | < 0,0500            | < 0,0500            | ---    | < 0,0500                 | < 0,0500              | < 0,0500                | < 0,0500                |
| Nitratos                              | mg/L    | ---   | ---     | 18,8                | 21,8                | 25,9               | 24,0                | 25,9                | ---    | 24,7                     | 21,1                  | 20,5                    | 21,3                    |
| Oxígeno disuelto                      | mg/L    | ---   | ---     | 9,6                 | 9,9                 | 9,9                | 9,4                 | 9,1                 | ---    | 8,7                      | 9,3                   | 10,3                    | 10,3                    |
| pH                                    | pH      | ---   | ---     | 8,1                 | 8,1                 | 8,1                | 8,2                 | 8,1                 | ---    | 8,1                      | 8,0                   | 8,0                     | 8,1                     |
| Plomo                                 | µg/L    | ---   | ---     | < 1,000             | 1,103               | < 1,000            | < 1,000             | < 1,000             | ---    | ---                      | ---                   | ---                     | < 1,000                 |
| Plomo                                 | mg/L    | ---   | ---     | ---                 | ---                 | ---                | ---                 | ---                 | ---    | < 0,025000               | < 0,025000            | < 0,025000              | ---                     |
| Potasio                               | mg/L    | ---   | ---     | 5,0890              | 3,5350              | 3,1520             | 3,1110              | 3,1630              | ---    | 3,0160                   | 3,0540                | 3,0600                  | 3,1810                  |
| Recuento de Coliformes totales        | UFC/100 | ---   | ---     | 7100                | 1700                | 1500               | 1000                | 1800                | ---    | 5500                     | 8200                  | 2400                    | 850                     |
| Selenio                               | µg/L    | ---   | ---     | < 1,000             | < 1,000             | < 1,000            | < 2,000             | 2,129               | ---    | ---                      | ---                   | ---                     | < 2,000                 |
| Selenio                               | 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>       |

|                                         |                                                               |                                                            |
|-----------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000003               | <b>Nombre del punto:</b> RIO AZUER - Ctra. Infantes-Carrizosa | <b>Cauce:</b> RIO AZUER                                    |
| <b>Código de la masa de agua:</b> 13482 | <b>Nombre de la masa de agua:</b> RIO AZUER I                 |                                                            |
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|                       |      | ENERO | FEBRERO | MARZO<br>13-03-2013 | ABRIL<br>09-04-2013 | MAYO<br>13-05-2013 | JUNIO<br>11-06-2013 | JULIO<br>02-07-2013 | AGOSTO | SEPTIEMBRE<br>10-09-2013 | OCTUBRE<br>07-10-2013 | NOVIEMBRE<br>04-11-2013 | DICIEMBRE<br>12-12-2013 |
|-----------------------|------|-------|---------|---------------------|---------------------|--------------------|---------------------|---------------------|--------|--------------------------|-----------------------|-------------------------|-------------------------|
| Sílice                | mg/L | ---   | ---     | 10,4100             | 8,2710              | 9,1950             | 10,0100             | 9,6950              | ---    | 11,1500                  | 12,7800               | 12,2700                 | 13,5300                 |
| Sodio                 | mg/L | ---   | ---     | 10,6000             | 8,4970              | 9,9920             | 10,6300             | 10,8000             | ---    | 11,4900                  | 13,7100               | 14,5900                 | 15,4100                 |
| Sólidos en Suspensión | mg/L | ---   | ---     | 175                 | 68                  | 19                 | < 10                | < 10                | ---    | 15                       | 11                    | < 10                    | < 10                    |
| Sulfatos              | mg/L | ---   | ---     | 165,9               | 185,3               | 180,3              | 194,5               | 209,4               | ---    | 291,6                    | 312,2                 | 318,3                   | 340,6                   |