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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> GN00000902               | <b>Nombre del punto:</b> RIO MURTIGAS - RÍO MÚRTIGAS, 1,5 Km AGUAS ABAJO CON ARROYO PEDRO I | <b>Cauce:</b> RIO MURTIGAS                                 |
| <b>Código de la masa de agua:</b> 14090 | <b>Nombre de la masa de agua:</b> RIO MURTIGAS II                                           |                                                            |
| <b>Localidad:</b> -----                 | <b>Provincia:</b> Desconocida                                                               | <b>UTM X:</b> 153090 <b>UTM Y:</b> 4229765 <b>Huso:</b> 30 |

|                                          |       | ENERO | FEBRERO | MARZO | ABRIL | MAYO<br>28-05-2013 | JUNIO<br>27-06-2013 | JULIO<br>08-07-2013 | AGOSTO<br>05-08-2013 | SEPTIEMBRE<br>02-09-2013 | OCTUBRE<br>07-10-2013 | NOVIEMBRE<br>04-11-2013 | DICIEMBRE<br>16-12-2013 |
|------------------------------------------|-------|-------|---------|-------|-------|--------------------|---------------------|---------------------|----------------------|--------------------------|-----------------------|-------------------------|-------------------------|
| % Oxígeno (in situ)                      | % SAT | ---   | ---     | ---   | ---   | ---                | ---                 | 64,2                | 52,2                 | 61,5                     | 83,7                  | 91,1                    | 90,8                    |
| Cloro residual total (in situ)           | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Color aparente (in situ)                 | ----- | ---   | ---     | ---   | ---   | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Conductividad a 20 °C (in situ)          | µS/cm | ---   | ---     | ---   | ---   | ---                | ---                 | 443                 | 439                  | 369                      | 478                   | 358                     | 404                     |
| Nitritos (in situ)                       | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Olor (in situ)                           | ----- | ---   | ---     | ---   | ---   | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |
| Oxígeno disuelto (in situ)               | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | 5,2                 | 4,6                  | 5,2                      | 7,5                   | 9,0                     | 10,1                    |
| pH (in situ)                             | pH    | ---   | ---     | ---   | ---   | ---                | ---                 | 8,0                 | 7,9                  | 7,7                      | 8,3                   | 8,4                     | 8,5                     |
| Temperatura del agua "in situ" (in situ) | °C    | ---   | ---     | ---   | ---   | ---                | ---                 | 28,9                | 20,7                 | 22,5                     | 19,7                  | 13,7                    | 8,1                     |
| Alcalinidad total                        | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | 179,0               | ---                  | ---                      | ---                   | ---                     | ---                     |
| Aluminio                                 | mg/L  | ---   | ---     | ---   | ---   | < 0,1000           | ---                 | ---                 | ---                  | < 0,1000                 | ---                   | ---                     | < 0,1000                |
| Amonio no ionizado                       | mg/L  | ---   | ---     | ---   | ---   | < 0,001            | < 0,001             | < 0,001             | < 0,001              | 0,010                    | 0,001                 | 0,001                   | 0,001                   |
| Amonio total                             | mg/L  | ---   | ---     | ---   | ---   | < 0,05             | < 0,05              | < 0,05              | < 0,05               | 0,35                     | < 0,05                | < 0,05                  | < 0,05                  |
| Bario                                    | mg/L  | ---   | ---     | ---   | ---   | < 0,0500           | ---                 | ---                 | ---                  | < 0,0500                 | ---                   | ---                     | < 0,0500                |
| Bicarbonatos                             | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | 179,0               | ---                  | ---                      | ---                   | ---                     | ---                     |
| Boro                                     | mg/L  | ---   | ---     | ---   | ---   | < 0,1000           | ---                 | ---                 | ---                  | < 0,1000                 | ---                   | ---                     | < 0,1000                |
| Carbonatos                               | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | < 0,1               | ---                  | ---                      | ---                   | ---                     | ---                     |
| Carbono Orgánico Total                   | mg/L  | ---   | ---     | ---   | ---   | < 5,000            | < 5,000             | < 5,000             | ---                  | 18,800                   | < 5,000               | < 5,000                 | < 5,000                 |
| Cinc                                     | mg/L  | ---   | ---     | ---   | ---   | < 0,1000           | < 0,1000            | < 0,1000            | < 0,1000             | < 0,1000                 | < 0,1000              | < 0,1000                | < 0,1000                |
| Cloro residual total                     | mg/L  | ---   | ---     | ---   | ---   | 0,09               | 0,06                | 0,27                | 0,09                 | 0,19                     | 0,25                  | < 0,05                  | < 0,05                  |
| Cloruros                                 | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | 30,7                    |
| Cobalto                                  | mg/L  | ---   | ---     | ---   | ---   | < 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                |
| Compuestos fenólicos                     | mg/L  | ---   | ---     | ---   | ---   | < 0,050            | < 0,050             | < 0,050             | < 0,050              | < 0,050                  | < 0,050               | < 0,050                 | < 0,050                 |
| Conductividad a 20 °C                    | µS/cm | ---   | ---     | ---   | ---   | ---                | ---                 | 404                 | ---                  | 354                      | ---                   | ---                     | 385                     |
| D.B.O. 5d                                | mg/L  | ---   | ---     | ---   | ---   | 1,2                | 0,9                 | 1,1                 | 1,1                  | 1,2                      | 1,0                   | 1,6                     | 2,5                     |
| Estaño                                   | mg/L  | ---   | ---     | ---   | ---   | < 0,1000           | ---                 | ---                 | ---                  | < 0,1000                 | ---                   | ---                     | < 0,1000                |
| Fluoruros                                | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | 0,19                | ---                  | ---                      | ---                   | ---                     | ---                     |

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

|                                         |                                                                                             |                                                            |
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| <b>Código:</b> GN00000902               | <b>Nombre del punto:</b> RIO MURTIGAS - RÍO MÚRTIGAS, 1,5 Km AGUAS ABAJO CON ARROYO PEDRO I | <b>Cauce:</b> RIO MURTIGAS                                 |
| <b>Código de la masa de agua:</b> 14090 | <b>Nombre de la masa de agua:</b> RIO MURTIGAS II                                           |                                                            |
| <b>Localidad:</b> -----                 | <b>Provincia:</b> Desconocida                                                               | <b>UTM X:</b> 153090 <b>UTM Y:</b> 4229765 <b>Huso:</b> 30 |

|                                   |       | ENERO | FEBRERO | MARZO | ABRIL | MAYO<br>28-05-2013 | JUNIO<br>27-06-2013 | JULIO<br>08-07-2013 | AGOSTO<br>05-08-2013 | SEPTIEMBRE<br>02-09-2013 | OCTUBRE<br>07-10-2013 | NOVIEMBRE<br>04-11-2013 | DICIEMBRE<br>16-12-2013 |
|-----------------------------------|-------|-------|---------|-------|-------|--------------------|---------------------|---------------------|----------------------|--------------------------|-----------------------|-------------------------|-------------------------|
| Fosfatos                          | mg/L  | ---   | ---     | ---   | ---   | 0,08               | 0,25                | 0,18                | ---                  | 0,54                     | 0,07                  | 0,28                    | 0,05                    |
| Fósforo total                     | mg/L  | ---   | ---     | ---   | ---   | < 0,1000           | < 0,1000            | < 0,1000            | < 0,1000             | 0,2883                   | < 0,1000              | 0,1003                  | < 0,1000                |
| Hidrocarburos de origen petrolero | ----- | ---   | ---     | ---   | ---   | No                 | No                  | No                  | No                   | No                       | No                    | No                      | No                      |
| Hidróxidos                        | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | < 0,1               | ---                  | ---                      | ---                   | ---                     | ---                     |
| Hierro                            | mg/L  | ---   | ---     | ---   | ---   | < 0,1000           | ---                 | ---                 | ---                  | 0,3348                   | ---                   | ---                     | < 0,1000                |
| Manganeso                         | mg/L  | ---   | ---     | ---   | ---   | < 0,1000           | ---                 | ---                 | ---                  | 0,2083                   | ---                   | ---                     | < 0,1000                |
| Níquel                            | mg/L  | ---   | ---     | ---   | ---   | < 0,0500           | ---                 | ---                 | ---                  | < 0,0500                 | ---                   | ---                     | < 0,0500                |
| Nitratos                          | mg/L  | ---   | ---     | ---   | ---   | < 1,0              | < 1,0               | < 1,0               | ---                  | < 1,0                    | < 1,0                 | 9,3                     | < 1,0                   |
| Nitritos                          | mg/L  | ---   | ---     | ---   | ---   | < 0,05             | < 0,05              | < 0,05              | < 0,05               | < 0,05                   | < 0,05                | < 0,05                  | < 0,05                  |
| Nitrógeno total                   | mg/L  | ---   | ---     | ---   | ---   | < 1,000            | < 1,000             | < 1,000             | ---                  | 2,067                    | < 1,000               | 2,410                   | < 1,000                 |
| Oxígeno disuelto                  | mg/L  | ---   | ---     | ---   | ---   | 8,5                | 7,8                 | 6,7                 | 7,0                  | 4,9                      | 8,8                   | 9,8                     | 11,6                    |
| pH                                | pH    | ---   | ---     | ---   | ---   | 8,3                | 8,2                 | 7,9                 | 7,9                  | 7,7                      | 8,1                   | 8,0                     | 8,1                     |
| Sílice                            | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | ---                 | ---                  | 8,6830                   | ---                   | ---                     | 1,3690                  |
| Sólidos en Suspensión             | mg/L  | ---   | ---     | ---   | ---   | < 10               | < 10                | < 10                | < 10                 | 24                       | 10                    | < 10                    | < 10                    |
| Sulfatos                          | mg/L  | ---   | ---     | ---   | ---   | ---                | ---                 | ---                 | ---                  | ---                      | ---                   | ---                     | 22,0                    |
| Temperatura del agua "in situ"    | °C    | ---   | ---     | ---   | ---   | 19,8               | 25,3                | ---                 | ---                  | ---                      | ---                   | ---                     | ---                     |