

|                                                                                 |                                                |                                                    |                 |                        |
|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|------------------------|
|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 31-01-2013</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 1</b>       |

|                                         |                                                                       |                                                            |
|-----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000171               | <b>Nombre del punto:</b> ARROYO DE LA VAL - E. Llerena - Toma Llerena | <b>Cauce:</b> ARROYO DE LA VAL                             |
| <b>Código de la masa de agua:</b> 20648 | <b>Nombre de la masa de agua:</b> EMBALSE DE LLERENA                  |                                                            |
| <b>Localidad:</b> Higuera de Llerena    | <b>Provincia:</b> Badajoz                                             | <b>UTM X:</b> 245480 <b>UTM Y:</b> 4244847 <b>Huso:</b> 30 |

|                                          |       | ENERO | FEBRERO | MARZO<br>19-03-2012 | ABRIL | MAYO | JUNIO<br>11-06-2012 | JULIO | AGOSTO | SEPTIEMBRE<br>10-09-2012 | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|------------------------------------------|-------|-------|---------|---------------------|-------|------|---------------------|-------|--------|--------------------------|---------|-----------|-----------|
| % Oxígeno (in situ)                      | % SAT | ---   | ---     | 67,8                | ---   | ---  | 73,0                | ---   | ---    | 50,7                     | ---     | ---       | ---       |
| Cloro residual total (in situ)           | mg/L  | ---   | ---     | ---                 | ---   | ---  | ---                 | ---   | ---    | ---                      | ---     | ---       | ---       |
| Color aparente (in situ)                 | ----- | ---   | ---     | ---                 | ---   | ---  | ---                 | ---   | ---    | ---                      | ---     | ---       | ---       |
| Conductividad (in situ)                  | µS/cm | ---   | ---     | 329                 | ---   | ---  | 340                 | ---   | ---    | 365                      | ---     | ---       | ---       |
| Nitritos (in situ)                       | mg/L  | ---   | ---     | 0,00                | ---   | ---  | 0,00                | ---   | ---    | 0,00                     | ---     | ---       | ---       |
| Olor (in situ)                           | ----- | ---   | ---     | ---                 | ---   | ---  | ---                 | ---   | ---    | ---                      | ---     | ---       | ---       |
| Oxígeno disuelto (in situ)               | mg/L  | ---   | ---     | 6,9                 | ---   | ---  | 6,2                 | ---   | ---    | 4,1                      | ---     | ---       | ---       |
| pH (in situ)                             | pH    | ---   | ---     | 8,5                 | ---   | ---  | 8,3                 | ---   | ---    | 8,2                      | ---     | ---       | ---       |
| Temperatura del agua "in situ" (in situ) | °C    | ---   | ---     | 11,3                | ---   | ---  | 20,9                | ---   | ---    | 22,8                     | ---     | ---       | ---       |
| Acenafeno                                | µg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Agentes tensoactivos (aniónicos)         | mg/L  | ---   | ---     | < 0,1               | ---   | ---  | < 0,1               | ---   | ---    | < 0,1                    | ---     | ---       | ---       |
| a-hch                                    | µg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Alaclor                                  | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Alcalinidad total                        | mg/L  | ---   | ---     | 133,1               | ---   | ---  | 128,6               | ---   | ---    | 144,6                    | ---     | ---       | ---       |
| Aldrín                                   | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Aluminio                                 | mg/L  | ---   | ---     | < 0,1000            | ---   | ---  | < 0,1000            | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| Ametrin                                  | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Amonio total                             | mg/L  | ---   | ---     | < 0,05              | ---   | ---  | < 0,05              | ---   | ---    | < 0,05                   | ---     | ---       | ---       |
| Antraceno                                | µg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Arsénico                                 | µg/L  | ---   | ---     | 1,617               | ---   | ---  | ---                 | ---   | ---    | 4,660                    | ---     | ---       | ---       |
| Arsénico                                 | mg/L  | ---   | ---     | ---                 | ---   | ---  | < 0,025000          | ---   | ---    | ---                      | ---     | ---       | ---       |
| Atraton                                  | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| atrazina                                 | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Bario                                    | mg/L  | ---   | ---     | 0,1404              | ---   | ---  | 0,1344              | ---   | ---    | 0,1346                   | ---     | ---       | ---       |
| Benceno                                  | µg/L  | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| Benzo(a)Antraceno                        | µg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Benzo(a,h)Antraceno                      | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Benzo(a)Pireno                           | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |

|                                                                                 |                                                |                                                    |                 |                        |
|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|------------------------|
|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 31-01-2013</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 2</b>       |

|                                         |                                                                       |                                                            |
|-----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000171               | <b>Nombre del punto:</b> ARROYO DE LA VAL - E. Llerena - Toma Llerena | <b>Cauce:</b> ARROYO DE LA VAL                             |
| <b>Código de la masa de agua:</b> 20648 | <b>Nombre de la masa de agua:</b> EMBALSE DE LLERENA                  |                                                            |
| <b>Localidad:</b> Higuera de Llerena    | <b>Provincia:</b> Badajoz                                             | <b>UTM X:</b> 245480 <b>UTM Y:</b> 4244847 <b>Huso:</b> 30 |

|                      |       | ENERO | FEBRERO | MARZO<br>19-03-2012 | ABRIL | MAYO | JUNIO<br>11-06-2012 | JULIO | AGOSTO | SEPTIEMBRE<br>10-09-2012 | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|----------------------|-------|-------|---------|---------------------|-------|------|---------------------|-------|--------|--------------------------|---------|-----------|-----------|
| Benzo(b)Fluoranteno  | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Benzo(g,h,i)Perileno | µg/L  | ---   | ---     | < 0,040             | ---   | ---  | < 0,040             | ---   | ---    | < 0,040                  | ---     | ---       | ---       |
| Benzo(k)Fluoranteno  | µg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| b-hch                | µg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Bicarbonatos         | mg/L  | ---   | ---     | 119,8               | ---   | ---  | 128,6               | ---   | ---    | 144,6                    | ---     | ---       | ---       |
| Boro                 | mg/L  | ---   | ---     | < 0,1000            | ---   | ---  | < 0,1000            | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| Bromodichlorometano  | µg/L  | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| Bromoforno           | µg/L  | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| Cadmio               | µg/L  | ---   | ---     | < 1,000             | ---   | ---  | ---                 | ---   | ---    | < 1,000                  | ---     | ---       | ---       |
| Cadmio               | mg/L  | ---   | ---     | ---                 | ---   | ---  | < 0,025000          | ---   | ---    | ---                      | ---     | ---       | ---       |
| Calcio               | mg/L  | ---   | ---     | 43,2200             | ---   | ---  | 35,3400             | ---   | ---    | 37,3700                  | ---     | ---       | ---       |
| Carbonatos           | mg/L  | ---   | ---     | 13,2                | ---   | ---  | < 0,1               | ---   | ---    | < 0,1                    | ---     | ---       | ---       |
| Cianuro Total        | mg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Cinc                 | mg/L  | ---   | ---     | < 0,1000            | ---   | ---  | < 0,1000            | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| Clorfeninfos         | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Clorobenceno         | µg/L  | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| Cloroforno           | µg/L  | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Clorpirifos          | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Cloruros             | mg/L  | ---   | ---     | 22,0                | ---   | ---  | 24,2                | ---   | ---    | 25,8                     | ---     | ---       | ---       |
| Cobalto              | mg/L  | ---   | ---     | < 0,0500            | ---   | ---  | < 0,0500            | ---   | ---    | < 0,0500                 | ---     | ---       | ---       |
| Cobre                | mg/L  | ---   | ---     | < 0,1000            | ---   | ---  | < 0,1000            | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| Color                | mg/L  | ---   | ---     | 5,9                 | ---   | ---  | < 5,0               | ---   | ---    | < 5,0                    | ---     | ---       | ---       |
| Conductividad        | µS/cm | ---   | ---     | 319                 | ---   | ---  | 316                 | ---   | ---    | 342                      | ---     | ---       | ---       |
| Cromo                | µg/L  | ---   | ---     | < 2,000             | ---   | ---  | ---                 | ---   | ---    | < 2,000                  | ---     | ---       | ---       |
| Cromo                | mg/L  | ---   | ---     | ---                 | ---   | ---  | < 0,025000          | ---   | ---    | ---                      | ---     | ---       | ---       |
| Criseno              | µg/L  | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| D.B.O. 5d            | mg/L  | ---   | ---     | 2,9                 | ---   | ---  | 1,3                 | ---   | ---    | 1,2                      | ---     | ---       | ---       |
| Desetilatrazina      | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Desisopropilatrazina | µg/L  | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |

|                                                                                 |                                                |                                                    |                 |                        |
|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|------------------------|
|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 31-01-2013</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 3</b>       |

|                                         |                                                                       |                                                            |
|-----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000171               | <b>Nombre del punto:</b> ARROYO DE LA VAL - E. Llerena - Toma Llerena | <b>Cauce:</b> ARROYO DE LA VAL                             |
| <b>Código de la masa de agua:</b> 20648 | <b>Nombre de la masa de agua:</b> EMBALSE DE LLERENA                  |                                                            |
| <b>Localidad:</b> Higuera de Llerena    | <b>Provincia:</b> Badajoz                                             | <b>UTM X:</b> 245480 <b>UTM Y:</b> 4244847 <b>Huso:</b> 30 |

|                    |      | ENERO | FEBRERO | MARZO<br>19-03-2012 | ABRIL | MAYO | JUNIO<br>11-06-2012 | JULIO | AGOSTO | SEPTIEMBRE<br>10-09-2012 | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|--------------------|------|-------|---------|---------------------|-------|------|---------------------|-------|--------|--------------------------|---------|-----------|-----------|
| d-hch              | µg/L | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Diazinon           | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Dibromoclorometano | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Diclorometano      | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Dieldrín           | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Diuron             | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| D.Q.O. 10min       | mg/L | ---   | ---     | 4,4                 | ---   | ---  | 3,1                 | ---   | ---    | 4,4                      | ---     | ---       | ---       |
| D.Q.O. 2h          | mg/L | ---   | ---     | < 20                | ---   | ---  | < 20                | ---   | ---    | < 20                     | ---     | ---       | ---       |
| Dureza permanente  | mg/L | ---   | ---     | ---                 | ---   | ---  | ---                 | ---   | ---    | ---                      | ---     | ---       | ---       |
| Dureza temporal    | mg/L | ---   | ---     | 133,1               | ---   | ---  | 128,6               | ---   | ---    | 144,6                    | ---     | ---       | ---       |
| Dureza total       | mg/L | ---   | ---     | 153,3               | ---   | ---  | 130,0               | ---   | ---    | 139,0                    | ---     | ---       | ---       |
| Endosulfán I       | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Endosulfán II      | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Endosulfán Sulfato | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Endrín             | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Endrín Aldehído    | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Estaño             | mg/L | ---   | ---     | < 0,1000            | ---   | ---  | < 0,1000            | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| Estireno           | µg/L | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| Estroncio          | mg/L | ---   | ---     | < 0,5000            | ---   | ---  | < 0,5000            | ---   | ---    | < 0,5000                 | ---     | ---       | ---       |
| Etilbenceno        | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Etil-Paratión      | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Fenantreno         | µg/L | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Fenoles            | mg/L | ---   | ---     | < 0,050             | ---   | ---  | < 0,050             | ---   | ---    | < 0,050                  | ---     | ---       | ---       |
| Fluoranteno        | µg/L | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Fluoreno           | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Fluoruros          | mg/L | ---   | ---     | 0,21                | ---   | ---  | 0,26                | ---   | ---    | 0,30                     | ---     | ---       | ---       |
| Fosfatos           | mg/L | ---   | ---     | < 0,05              | ---   | ---  | < 0,05              | ---   | ---    | < 0,05                   | ---     | ---       | ---       |
| Fósforo total      | mg/L | ---   | ---     | < 0,1000            | ---   | ---  | < 0,1000            | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| Heptacloro         | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |

|                                                                                 |                                                |                                                    |                 |                        |
|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|------------------------|
|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 31-01-2013</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 4</b>       |

|                                         |                                                                       |                                                            |
|-----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000171               | <b>Nombre del punto:</b> ARROYO DE LA VAL - E. Llerena - Toma Llerena | <b>Cauce:</b> ARROYO DE LA VAL                             |
| <b>Código de la masa de agua:</b> 20648 | <b>Nombre de la masa de agua:</b> EMBALSE DE LLERENA                  |                                                            |
| <b>Localidad:</b> Higuera de Llerena    | <b>Provincia:</b> Badajoz                                             | <b>UTM X:</b> 245480 <b>UTM Y:</b> 4244847 <b>Huso:</b> 30 |

|                                 |       | ENERO | FEBRERO | MARZO<br>19-03-2012     | ABRIL | MAYO | JUNIO<br>11-06-2012     | JULIO | AGOSTO | SEPTIEMBRE<br>10-09-2012 | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|---------------------------------|-------|-------|---------|-------------------------|-------|------|-------------------------|-------|--------|--------------------------|---------|-----------|-----------|
| Heptacloro epóxido              | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Hexaclorobenceno                | µg/L  | ---   | ---     | < 0,010                 | ---   | ---  | < 0,010                 | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Hexaclorobutadieno              | µg/L  | ---   | ---     | < 2,50                  | ---   | ---  | < 2,50                  | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Hidróxidos                      | mg/L  | ---   | ---     | < 0,1                   | ---   | ---  | < 0,1                   | ---   | ---    | < 0,1                    | ---     | ---       | ---       |
| Hierro                          | mg/L  | ---   | ---     | < 0,1000                | ---   | ---  | < 0,1000                | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| Imazalil                        | µg/L  | ---   | ---     | < 0,050                 | ---   | ---  | < 0,050                 | ---   | ---    | < 0,050                  | ---     | ---       | ---       |
| Indeno(1,2,3-cd)Pireno          | µg/L  | ---   | ---     | < 0,050                 | ---   | ---  | < 0,050                 | ---   | ---    | < 0,050                  | ---     | ---       | ---       |
| Investigación de Salmonella Sp. | ----- | ---   | ---     | Salmonella<br>no Detect | ---   | ---  | Salmonella<br>no Detect | ---   | ---    | Salmonella<br>no Detect  | ---     | ---       | ---       |
| Isodrin                         | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Isoproturon                     | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Lindano                         | µg/L  | ---   | ---     | < 0,010                 | ---   | ---  | < 0,010                 | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Magnesio                        | mg/L  | ---   | ---     | 10,9900                 | ---   | ---  | 10,1100                 | ---   | ---    | 11,0700                  | ---     | ---       | ---       |
| Malatión                        | µg/L  | ---   | ---     | < 0,050                 | ---   | ---  | < 0,050                 | ---   | ---    | < 0,050                  | ---     | ---       | ---       |
| Manganeso                       | mg/L  | ---   | ---     | < 0,1000                | ---   | ---  | < 0,1000                | ---   | ---    | < 0,1000                 | ---     | ---       | ---       |
| MCPA                            | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Mercurio                        | mg/L  | ---   | ---     | < 0,000050              | ---   | ---  | < 0,000050              | ---   | ---    | < 0,000050               | ---     | ---       | ---       |
| Metil Paratión                  | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Metilclorpirifos                | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Metolaclor                      | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Molinate                        | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| m,p-xileno                      | µg/L  | ---   | ---     | < 2,00                  | ---   | ---  | < 2,00                  | ---   | ---    | < 2,00                   | ---     | ---       | ---       |
| MTBE                            | µg/L  | ---   | ---     | < 2,50                  | ---   | ---  | < 2,50                  | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Naftaleno                       | µg/L  | ---   | ---     | < 2,50                  | ---   | ---  | < 2,50                  | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Níquel                          | mg/L  | ---   | ---     | < 0,0500                | ---   | ---  | < 0,0500                | ---   | ---    | < 0,0500                 | ---     | ---       | ---       |
| Nitratos                        | mg/L  | ---   | ---     | 1,2                     | ---   | ---  | < 1,0                   | ---   | ---    | < 1,0                    | ---     | ---       | ---       |
| Olor                            | ----- | ---   | ---     | 0                       | ---   | ---  | 0                       | ---   | ---    | 0                        | ---     | ---       | ---       |
| Oxifluorfen                     | µg/L  | ---   | ---     | < 0,020                 | ---   | ---  | < 0,020                 | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| o-xileno                        | µg/L  | ---   | ---     | < 1,00                  | ---   | ---  | < 1,00                  | ---   | ---    | < 1,00                   | ---     | ---       | ---       |

|                                                                                 |                                                |                                                    |                 |                        |
|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|------------------------|
|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 31-01-2013</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 5</b>       |

|                                         |                                                                       |                                                            |
|-----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000171               | <b>Nombre del punto:</b> ARROYO DE LA VAL - E. Llerena - Toma Llerena | <b>Cauce:</b> ARROYO DE LA VAL                             |
| <b>Código de la masa de agua:</b> 20648 | <b>Nombre de la masa de agua:</b> EMBALSE DE LLERENA                  |                                                            |
| <b>Localidad:</b> Higuera de Llerena    | <b>Provincia:</b> Badajoz                                             | <b>UTM X:</b> 245480 <b>UTM Y:</b> 4244847 <b>Huso:</b> 30 |

|                                      |         | ENERO | FEBRERO | MARZO<br>19-03-2012 | ABRIL | MAYO | JUNIO<br>11-06-2012 | JULIO | AGOSTO | SEPTIEMBRE<br>10-09-2012 | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|--------------------------------------|---------|-------|---------|---------------------|-------|------|---------------------|-------|--------|--------------------------|---------|-----------|-----------|
| PAH                                  | mg/L    | ---   | ---     | < 0,00020           | ---   | ---  | < 0,00020           | ---   | ---    | < 0,00020                | ---     | ---       | ---       |
| PCB 101                              | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PCB 118                              | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PCB 138                              | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PCB 153                              | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PCB 180                              | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PCB 28                               | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PCB 52                               | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PCB's                                | µg/L    | ---   | ---     | < 0,14              | ---   | ---  | < 0,14              | ---   | ---    | < 0,14                   | ---     | ---       | ---       |
| Pentaclorobenceno                    | µg/L    | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| pH                                   | pH      | ---   | ---     | 8,5                 | ---   | ---  | 8,3                 | ---   | ---    | 8,1                      | ---     | ---       | ---       |
| Pireno                               | µg/L    | ---   | ---     | < 0,010             | ---   | ---  | < 0,010             | ---   | ---    | < 0,010                  | ---     | ---       | ---       |
| Plaguicidas total                    | mg/L    | ---   | ---     | < 0,00100           | ---   | ---  | < 0,00100           | ---   | ---    | < 0,00100                | ---     | ---       | ---       |
| Plomo                                | µg/L    | ---   | ---     | < 1,000             | ---   | ---  | ---                 | ---   | ---    | < 1,000                  | ---     | ---       | ---       |
| Plomo                                | mg/L    | ---   | ---     | ---                 | ---   | ---  | < 0,025000          | ---   | ---    | ---                      | ---     | ---       | ---       |
| Potasio                              | mg/L    | ---   | ---     | 2,4380              | ---   | ---  | 2,1800              | ---   | ---    | 2,6230                   | ---     | ---       | ---       |
| PP-DDD                               | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PP-DDE                               | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| PP-DDT                               | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Prometon                             | µg/L    | ---   | ---     | < 0,050             | ---   | ---  | < 0,050             | ---   | ---    | < 0,050                  | ---     | ---       | ---       |
| Prometrin                            | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Propazina                            | µg/L    | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Recuento de Coliformes<br>fecales    | UFC/100 | ---   | ---     | 22                  | ---   | ---  | 12                  | ---   | ---    | < 10                     | ---     | ---       | ---       |
| Recuento de Coliformes<br>totales    | UFC/100 | ---   | ---     | 20                  | ---   | ---  | < 10                | ---   | ---    | 100                      | ---     | ---       | ---       |
| Recuento de Estreptococos<br>fecales | UFC/100 | ---   | ---     | 35                  | ---   | ---  | 12                  | ---   | ---    | < 10                     | ---     | ---       | ---       |
| Selenio                              | µg/L    | ---   | ---     | < 1,000             | ---   | ---  | ---                 | ---   | ---    | < 1,000                  | ---     | ---       | ---       |
| Selenio                              | mg/L    | ---   | ---     | ---                 | ---   | ---  | < 0,025000          | ---   | ---    | ---                      | ---     | ---       | ---       |
| Sílice                               | mg/L    | ---   | ---     | < 0,8560            | ---   | ---  | < 0,8560            | ---   | ---    | < 0,8560                 | ---     | ---       | ---       |

|                                                                                 |                                                |                                                    |                 |                        |
|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|------------------------|
|  | <b>Confederación Hidrográfica del Guadiana</b> | <b>Gestión de laboratorios</b>                     | <b>Informes</b> | <b>Report: R030412</b> |
|                                                                                 | <b>Fecha: 31-01-2013</b>                       | <b>Resultados de análisis por punto de control</b> |                 | <b>Página: 6</b>       |

|                                         |                                                                       |                                                            |
|-----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|
| <b>Código:</b> GN00000171               | <b>Nombre del punto:</b> ARROYO DE LA VAL - E. Llerena - Toma Llerena | <b>Cauce:</b> ARROYO DE LA VAL                             |
| <b>Código de la masa de agua:</b> 20648 | <b>Nombre de la masa de agua:</b> EMBALSE DE LLERENA                  |                                                            |
| <b>Localidad:</b> Higuera de Llerena    | <b>Provincia:</b> Badajoz                                             | <b>UTM X:</b> 245480 <b>UTM Y:</b> 4244847 <b>Huso:</b> 30 |

|                                        |      | ENERO | FEBRERO | MARZO<br>19-03-2012 | ABRIL | MAYO | JUNIO<br>11-06-2012 | JULIO | AGOSTO | SEPTIEMBRE<br>10-09-2012 | OCTUBRE | NOVIEMBRE | DICIEMBRE |
|----------------------------------------|------|-------|---------|---------------------|-------|------|---------------------|-------|--------|--------------------------|---------|-----------|-----------|
| Simazina                               | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Simetrín                               | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Sodio                                  | mg/L | ---   | ---     | 18,6600             | ---   | ---  | 15,1600             | ---   | ---    | 18,3600                  | ---     | ---       | ---       |
| Sólidos en Suspensión                  | mg/L | ---   | ---     | 10                  | ---   | ---  | 11                  | ---   | ---    | < 10                     | ---     | ---       | ---       |
| Sulfatos                               | mg/L | ---   | ---     | 14,4                | ---   | ---  | 16,3                | ---   | ---    | 15,4                     | ---     | ---       | ---       |
| Terbutilazina                          | µg/L | ---   | ---     | 0,160               | ---   | ---  | 0,128               | ---   | ---    | 0,607                    | ---     | ---       | ---       |
| Terbutrín                              | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| Tetracloroetileno<br>(Percloroetileno) | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Tetracloruro de Carbono                | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Tolueno                                | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Tricloroetileno                        | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| Trifluralín                            | µg/L | ---   | ---     | < 0,020             | ---   | ---  | < 0,020             | ---   | ---    | < 0,020                  | ---     | ---       | ---       |
| 1,1,1-tricloroetano                    | µg/L | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| 1,2-diclorobenceno                     | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| 1,2-Dicloroetano                       | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| 1,2,3-triclorobenceno                  | µg/L | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| 1,2,4-triclorobenceno                  | µg/L | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| 1,3-diclorobenceno                     | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |
| 1,3,5-triclorobenceno                  | µg/L | ---   | ---     | < 1,00              | ---   | ---  | < 1,00              | ---   | ---    | < 1,00                   | ---     | ---       | ---       |
| 1,4-diclorobenceno                     | µg/L | ---   | ---     | < 2,50              | ---   | ---  | < 2,50              | ---   | ---    | < 2,50                   | ---     | ---       | ---       |