



Confederación Hidrográfica del Guadiana

Gestión de laboratorios

Informes

Report: R030412

Fecha: 31-01-2013

Resultados de análisis por punto de control

Página: 1

Código: GN00000042

Nombre del punto: RIO GUADIANA - Badajoz-E.A. Puente de Palmas

Cauce: RIO GUADIANA

Código de la masa de agua: 20634

Nombre de la masa de agua: EMBALSE AZUD DE BADAJOZ

Localidad: Badajoz

Provincia: Badajoz

UTM X: 675540

UTM Y: 4305943

Huso: 29

| | | ENERO 25-01-2012 | FEBRERO 15-02-2012 | MARZO 27-03-2012 | ABRIL 11-04-2012 | MAYO 08-05-2012 | JUNIO 26-06-2012 | JULIO 18-07-2012 | AGOSTO 14-08-2012 | SEPTIEMBRE 04-09-2012 | OCTUBRE 03-10-2012 | NOVIEMBRE | DICIEMBRE |
|--|-------|---------------------|-----------------------|---------------------|---------------------|--------------------|---------------------|---------------------|----------------------|--------------------------|-----------------------|-----------|-----------|
| % Oxígeno (in situ) | % SAT | 81,3 | 97,9 | 75,1 | 76,1 | 109,0 | 51,8 | 45,8 | 69,2 | 72,4 | 66,0 | --- | --- |
| Cloro residual total (in situ) | mg/L | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Color aparente (in situ) | ---- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Conductividad (in situ) | µS/cm | 654 | 472 | 519 | 589 | 532 | 579 | 624 | 507 | 661 | 619 | --- | --- |
| Nitritos (in situ) | mg/L | 0,10 | 0,07 | 0,10 | 0,10 | 0,10 | 0,03 | 0,03 | 0,03 | 0,10 | 0,03 | --- | --- |
| Olor (in situ) | ---- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Oxígeno disuelto (in situ) | mg/L | 9,4 | 10,9 | 7,4 | 7,3 | 10,1 | 4,1 | 3,7 | 5,8 | 6,0 | 6,0 | --- | --- |
| pH (in situ) | pH | 8,8 | 8,9 | 8,8 | 8,5 | 8,9 | 7,8 | 7,6 | 8,3 | 7,7 | 7,6 | --- | --- |
| Temperatura del agua "in situ" (in situ) | °C | 7,9 | 9,4 | 15,1 | 16,2 | 18,7 | 26,0 | 26,0 | 23,2 | 23,4 | 19,7 | --- | --- |
| Agentes tensoactivos (aniónicos) | mg/L | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | --- | --- |
| Alcalinidad total | mg/L | 143,6 | 117,3 | 115,7 | 131,5 | 126,5 | 140,4 | 144,8 | 119,4 | 161,6 | 145,9 | --- | --- |
| Aluminio | mg/L | 0,1032 | < 0,1000 | 0,1052 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | 0,1214 | < 0,1000 | < 0,1000 | --- | --- |
| Amonio total | mg/L | < 0,05 | < 0,05 | < 0,05 | 0,10 | < 0,05 | 0,05 | 0,06 | 0,08 | < 0,05 | < 0,05 | --- | --- |
| Arsénico | µg/L | 2,886 | 2,589 | 3,796 | 4,735 | --- | --- | 5,843 | 6,091 | 4,882 | 4,497 | --- | --- |
| Arsénico | mg/L | --- | --- | --- | --- | < 0,025000 | < 0,025000 | --- | --- | --- | --- | --- | --- |
| Aspecto | ---- | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | --- | --- |
| Bario | mg/L | 0,0581 | < 0,0500 | < 0,0500 | 0,0594 | < 0,0500 | 0,0632 | 0,0583 | 0,0652 | 0,0776 | 0,0720 | --- | --- |
| Bicarbonatos | mg/L | 130,9 | 103,1 | 104,5 | 121,0 | 115,3 | 140,4 | 144,8 | 119,4 | 161,6 | 145,9 | --- | --- |
| Boro | mg/L | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | --- | --- |
| Cadmio | µg/L | < 1,000 | < 1,000 | < 1,000 | < 1,000 | --- | --- | < 1,000 | < 1,000 | < 1,000 | < 1,000 | --- | --- |
| Cadmio | mg/L | --- | --- | --- | --- | < 0,025000 | < 0,025000 | --- | --- | --- | --- | --- | --- |
| Calcio | mg/L | 50,8100 | 38,8800 | 33,1300 | 39,6700 | 38,0000 | 46,3300 | 46,7600 | 37,9700 | 54,1600 | 50,8400 | --- | --- |
| Carbonatos | mg/L | 12,7 | 14,2 | 11,2 | 10,5 | 11,1 | < 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 | < 0,010 | --- | --- |
| Cinc | mg/L | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | --- | --- |
| Cloruros | mg/L | 70,8 | 51,4 | 61,3 | 71,6 | 55,3 | 72,1 | 65,4 | 58,8 | 65,6 | 66,2 | --- | --- |
| Cobalto | mg/L | < 0,0500 | < 0,0500 | < 0,0500 | < 0,0500 | < 0,0500 | < 0,0500 | < 0,0500 | < 0,0500 | < 0,0500 | < 0,0500 | --- | --- |
| Cobre | mg/L | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | --- | --- |



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|---------------------------------|-------|---------------------|-----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------------|-----------------------|-----------|-----------|
| Color | mg/L | 8,2 | 8,9 | 12,0 | 13,7 | 14,4 | 12,8 | 13,7 | 17,5 | 12,8 | 10,0 | --- | --- |
| Conductividad | µS/cm | 583 | 443 | 474 | 551 | 481 | 577 | 573 | 500 | 599 | 578 | --- | --- |
| Cromo | µg/L | < 2,000 | < 2,000 | < 2,000 | < 2,000 | --- | --- | < 2,000 | < 2,000 | < 2,000 | < 2,000 | --- | --- |
| Cromo | mg/L | --- | --- | --- | --- | < 0,025000 | < 0,025000 | --- | --- | --- | --- | --- | --- |
| D.B.O. 5d | mg/L | 4,1 | 2,1 | 5,0 | 7,3 | 5,0 | 1,4 | 5,0 | 2,1 | 3,0 | 1,2 | --- | --- |
| D.Q.O. 10min | mg/L | 5,9 | 6,7 | 9,0 | 8,4 | 9,6 | 6,0 | 2,7 | 8,7 | 19,5 | 6,6 | --- | --- |
| D.Q.O. 2h | mg/L | < 20 | < 20 | < 20 | 31 | 29 | < 20 | < 20 | 39 | 95 | 24 | --- | --- |
| Dureza permanente | mg/L | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dureza total | mg/L | 211,6 | 165,7 | 160,3 | 187,1 | 169,1 | 199,4 | 203,1 | 176,3 | 227,2 | 213,8 | --- | --- |
| Estaño | mg/L | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | --- | --- |
| Estroncio | mg/L | < 0,5000 | < 0,5000 | < 0,5000 | < 0,5000 | < 0,5000 | < 0,5000 | < 0,5000 | < 0,5000 | < 0,5000 | < 0,5000 | --- | --- |
| Fenoles | mg/L | < 0,050 | < 0,050 | < 0,050 | < 0,050 | < 0,050 | < 0,050 | < 0,050 | < 0,050 | < 0,050 | < 0,050 | --- | --- |
| Fluoruros | mg/L | 0,21 | 0,17 | 0,22 | 0,20 | 0,21 | 0,26 | 0,26 | 0,24 | 0,24 | 0,22 | --- | --- |
| Fosfatos | mg/L | < 0,05 | < 0,05 | < 0,05 | 0,06 | < 0,05 | 0,19 | 0,17 | < 0,05 | < 0,05 | 0,12 | --- | --- |
| Fósforo total | mg/L | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | < 0,1000 | 0,1074 | < 0,1000 | < 0,1000 | < 0,1000 | 0,1112 | --- | --- |
| Hidróxidos | mg/L | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | < 0,1 | --- | --- |
| Hierro | mg/L | 0,1710 | < 0,1000 | 0,2112 | 0,1855 | 0,1821 | < 0,1000 | < 0,1000 | 0,2773 | 0,1126 | 0,2369 | --- | --- |
| Investigación de Salmonella sp. | ----- | Presunta Salmonella | Salmonella no Detect | Presunta Salmonella | Salmonella no Detect | Salmonella no Detect | Salmonella no Detect | Salmonella no Detect | Presunta Salmonella | Salmonella no Detect | Salmonella no Detect | --- | --- |
| Magnesio | mg/L | 20,5400 | 16,6200 | 18,8000 | 21,3300 | 17,9900 | 20,2900 | 20,9300 | 19,7500 | 22,2900 | 21,0400 | --- | --- |
| Manganeso | mg/L | < 0,1000 | < 0,1000 | 0,1085 | 0,1796 | < 0,1000 | < 0,1000 | < 0,1000 | 0,1157 | < 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 | < 0,0500 | --- | --- |
| Nitratos | mg/L | 7,3 | 5,8 | 1,6 | 2,7 | < 1,0 | 4,7 | 4,0 | < 1,0 | 4,2 | 4,5 | --- | --- |
| Oxígeno disuelto | mg/L | 12,4 | 10,9 | 10,0 | 9,4 | 9,9 | 7,2 | 6,3 | 6,7 | 4,0 | 7,1 | --- | --- |
| pH | pH | 8,5 | 8,7 | 8,6 | 8,4 | 8,6 | 8,0 | 7,9 | 8,1 | 7,7 | 7,9 | --- | --- |
| Plomo | µg/L | < 1,000 | < 1,000 | < 1,000 | < 1,000 | --- | --- | < 1,000 | 1,802 | < 1,000 | 1,022 | --- | --- |
| Plomo | mg/L | --- | --- | --- | --- | < 0,025000 | < 0,025000 | --- | --- | --- | --- | --- | --- |
| Potasio | mg/L | 5,1880 | 4,4290 | 5,6310 | 5,2330 | 4,7020 | 5,5890 | 5,2060 | 4,9990 | 10,1300 | 6,2240 | --- | --- |



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|-----------------------------------|---------|---------------------|-----------------------|---------------------|---------------------|--------------------|---------------------|---------------------|----------------------|--------------------------|-----------------------|-----------|-----------|
| Recuento de Coliformes fecales | UFC/100 | --- | 75 | 290 | 450 | 168 | 250 | 32 | 340 | 58 | 500 | --- | --- |
| Recuento de Coliformes totales | UFC/100 | 450 | 21000 | 2100 | 4400 | 8000 | 17000 | 5000 | 2000 | 8000 | 10000 | --- | --- |
| Recuento de Estreptococos fecales | UFC/100 | 25 | 280 | 420 | 130 | 154 | 66 | 36 | 110 | 76 | 270 | --- | --- |
| Selenio | µg/L | 1,709 | 1,025 | 1,292 | 1,531 | --- | --- | 1,882 | 1,055 | 1,699 | < 1,000 | --- | --- |
| Selenio | mg/L | --- | --- | --- | --- | < 0,025000 | < 0,025000 | --- | --- | --- | --- | --- | --- |
| Sílice | mg/L | 1,1550 | < 0,8560 | < 0,8560 | < 0,8560 | < 0,8560 | 6,8570 | 7,4220 | < 0,8560 | 7,5360 | 6,5950 | --- | --- |
| Sodio | mg/L | 45,2100 | 33,5500 | 43,7000 | 44,0100 | 36,6600 | 39,1800 | 39,3800 | 36,6500 | 46,0100 | 40,3800 | --- | --- |
| Sólidos en Suspensión | mg/L | 28 | 26 | 42 | 32 | 37 | 22 | 21 | 55 | 65 | 27 | --- | --- |
| Sulfatos | mg/L | 69,2 | 47,6 | 50,6 | 59,8 | 53,2 | 70,0 | 72,5 | 66,8 | 75,0 | 76,8 | --- | --- |