

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

Código: GN00000333	Nombre del punto: ARROYO DE BUENAS HIERBAS - E. Buenas Hierbas	Cauce: ARROYO DE BUENAS HIERBAS
Código de la masa de agua: 20647	Nombre de la masa de agua: EMBALSE DE BUENAS HIERBAS	
Localidad: Cardeña	Provincia: Córdoba	UTM X: 377257 UTM Y: 4247075 Huso: 30

		ENERO	FEBRERO	MARZO 07-03-2012	ABRIL	MAYO	JUNIO 20-06-2012	JULIO	AGOSTO	SEPTIEMBRE 19-09-2012	OCTUBRE	NOVIEMBRE	DICIEMBRE
% Oxígeno (in situ)	% SAT	---	---	93,6	---	---	91,5	---	---	71,5	---	---	---
Cloro residual total (in situ)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
Color aparente (in situ)	-----	---	---	---	---	---	---	---	---	---	---	---	---
Conductividad (in situ)	µS/cm	---	---	143	---	---	155	---	---	154	---	---	---
Nitritos (in situ)	mg/L	---	---	0,00	---	---	0,00	---	---	0,00	---	---	---
Olor (in situ)	-----	---	---	---	---	---	---	---	---	---	---	---	---
Oxígeno disuelto (in situ)	mg/L	---	---	9,5	---	---	7,3	---	---	5,5	---	---	---
pH (in situ)	pH	---	---	7,7	---	---	9,3	---	---	9,6	---	---	---
Temperatura del agua "in situ" (in situ)	°C	---	---	11,8	---	---	26,4	---	---	24,5	---	---	---
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	---	---	62,4	---	---	56,8	---	---	61,5	---	---	---
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	---	---	2,047	---	---	---	---	---	6,809	---	---	---
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	---	---	< 0,0500	---	---	< 0,0500	---	---	< 0,0500	---	---	---
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	---	---	---

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Código: GN00000333	Nombre del punto: ARROYO DE BUENAS HIERBAS - E. Buenas Hierbas	Cauce: ARROYO DE BUENAS HIERBAS
Código de la masa de agua: 20647	Nombre de la masa de agua: EMBALSE DE BUENAS HIERBAS	
Localidad: Cardeña	Provincia: Córdoba	UTM X: 377257 UTM Y: 4247075 Huso: 30

		ENERO	FEBRERO	MARZO 07-03-2012	ABRIL	MAYO	JUNIO 20-06-2012	JULIO	AGOSTO	SEPTIEMBRE 19-09-2012	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	---	---	62,4	---	---	48,3	---	---	46,2	---	---	---
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	---	---	12,6200	---	---	12,3400	---	---	14,1700	---	---	---
Carbonatos	mg/L	---	---	< 0,1	---	---	8,5	---	---	15,3	---	---	---
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	---	---	9,4	---	---	9,6	---	---	9,9	---	---	---
Cobalto	mg/L	---	---	< 0,0500	---	---	< 0,0500	---	---	< 0,0500	---	---	---
Cobre	mg/L	---	---	< 0,1000	---	---	< 0,1000	---	---	< 0,1000	---	---	---
Color	mg/L	---	---	9,0	---	---	11,8	---	---	9,7	---	---	---
Conductividad	µS/cm	---	---	155	---	---	143	---	---	154	---	---	---
Cromo	µg/L	---	---	< 2,000	---	---	---	---	---	7,103	---	---	---
Cromo	mg/L	---	---	---	---	---	< 0,025000	---	---	---	---	---	---
Criseno	µg/L	---	---	< 0,010	---	---	< 0,010	---	---	< 0,010	---	---	---
D.B.O. 5d	mg/L	---	---	1,7	---	---	2,9	---	---	2,6	---	---	---
Desetilatrazina	µg/L	---	---	< 0,020	---	---	< 0,020	---	---	< 0,020	---	---	---
Desisopropilatrazina	µg/L	---	---	< 0,020	---	---	< 0,020	---	---	< 0,020	---	---	---

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Código: GN00000333	Nombre del punto: ARROYO DE BUENAS HIERBAS - E. Buenas Hierbas	Cauce: ARROYO DE BUENAS HIERBAS
Código de la masa de agua: 20647	Nombre de la masa de agua: EMBALSE DE BUENAS HIERBAS	
Localidad: Cardeña	Provincia: Córdoba	UTM X: 377257 UTM Y: 4247075 Huso: 30

		ENERO	FEBRERO	MARZO 07-03-2012	ABRIL	MAYO	JUNIO 20-06-2012	JULIO	AGOSTO	SEPTIEMBRE 19-09-2012	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	---	---	5,3	---	---	9,2	---	---	12,8	---	---	---
D.Q.O. 2h	mg/L	---	---	< 20	---	---	27	---	---	33	---	---	---
Dureza permanente	mg/L	---	---	---	---	---	< 0,1	---	---	< 0,1	---	---	---
Dureza temporal	mg/L	---	---	62,4	---	---	45,5	---	---	51,7	---	---	---
Dureza total	mg/L	---	---	45,6	---	---	45,5	---	---	51,7	---	---	---
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	---	---	0,13	---	---	0,13	---	---	0,17	---	---	---
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	---	---	---

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Código: GN00000333	Nombre del punto: ARROYO DE BUENAS HIERBAS - E. Buenas Hierbas	Cauce: ARROYO DE BUENAS HIERBAS
Código de la masa de agua: 20647	Nombre de la masa de agua: EMBALSE DE BUENAS HIERBAS	
Localidad: Cardeña	Provincia: Córdoba	UTM X: 377257 UTM Y: 4247075 Huso: 30

		ENERO	FEBRERO	MARZO 07-03-2012	ABRIL	MAYO	JUNIO 20-06-2012	JULIO	AGOSTO	SEPTIEMBRE 19-09-2012	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 no Detect	---	---	Salmonella no Detect	---	---	Salmonella 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	---	---	3,4120	---	---	3,5550	---	---	3,9500	---	---	---
Malatión	µg/L	---	---	< 0,050	---	---	< 0,050	---	---	< 0,050	---	---	---
Manganeso	mg/L	---	---	0,2882	---	---	< 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	---	---	2,0	---	---	< 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	---	---	---

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Código: GN00000333	Nombre del punto: ARROYO DE BUENAS HIERBAS - E. Buenas Hierbas	Cauce: ARROYO DE BUENAS HIERBAS
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PAH	mg/L	---	---	< 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	---	---	---	---	---	---	---	---	---
Pentaclorobenceno	µg/L	---	---	< 0,010	---	---	< 0,010	---	---	< 0,010	---	---	---
pH	pH	---	---	8,1	---	---	8,9	---	---	9,2	---	---	---
Pireno	µg/L	---	---	< 0,010	---	---	< 0,010	---	---	< 0,010	---	---	---
Plaguicidas total	mg/L	---	---	< 0,00100	---	---	---	---	---	---	---	---	---
Plomo	µg/L	---	---	< 1,000	---	---	---	---	---	1,932	---	---	---
Plomo	mg/L	---	---	---	---	---	< 0,025000	---	---	---	---	---	---
Potasio	mg/L	---	---	2,4590	---	---	2,7220	---	---	3,3060	---	---	---
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 fecales	UFC/100	---	---	< 10	---	---	< 10	---	---	< 10	---	---	---
Recuento de Coliformes totales	UFC/100	---	---	1000	---	---	100	---	---	300	---	---	---
Recuento de Estreptococos fecales	UFC/100	---	---	< 10	---	---	67	---	---	35	---	---	---
Selenio	µg/L	---	---	< 1,000	---	---	---	---	---	< 1,000	---	---	---
Selenio	mg/L	---	---	---	---	---	< 0,025000	---	---	---	---	---	---
Sílice	mg/L	---	---	8,3460	---	---	< 0,8560	---	---	3,6120	---	---	---

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Localidad: Cardeña	Provincia: Córdoba	UTM X: 377257 UTM Y: 4247075 Huso: 30

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Simazina	µg/L	---	---	< 0,020	---	---	< 0,020	---	---	< 0,020	---	---	---
Simetrín	µg/L	---	---	< 0,020	---	---	< 0,020	---	---	< 0,020	---	---	---
Sodio	mg/L	---	---	13,5000	---	---	10,5000	---	---	11,7900	---	---	---
Sólidos en Suspensión	mg/L	---	---	< 10	---	---	23	---	---	11	---	---	---
Sulfatos	mg/L	---	---	6,1	---	---	6,2	---	---	< 5,0	---	---	---
Terbutilazina	µg/L	---	---	< 0,010	---	---	< 0,010	---	---	< 0,010	---	---	---
Terbutrín	µg/L	---	---	< 0,020	---	---	< 0,020	---	---	< 0,020	---	---	---
Tetracloroetileno (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	---	---	---