

EDITAL Nº
 9/2020

QUALIDADE DA ÁGUA 4º TRIMESTRE DE 2019

Manuel Jorge Séneca Luz Valamatos dos Reis, Presidente da Câmara Municipal, TORNA PÚBLICO os resultados obtidos no controlo de qualidade de água distribuída no concelho de Abrantes no 4.º Trimestre de 2019, em cumprimento do disposto no n.º 1 do artigo 17.º do D.L. n.º 306/2007, de 27 de agosto, alterado pelo D.L. n.º 152/2017 de 7 de dezembro.

Zona de Abastecimento
 Abrantes a partir C. Bode

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	N.º Análises Previstas	N.º Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100ml	2	2	100%	0	0	0	100%	
Desinfetante residual	—	mg/L Cl2	2	2	100%	0,2	0,81	-	-	a)
Escherichia coli	0	Número/100mL	2	2	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	—	—	—	—	—	—	—	
Chloro	3	Factor de diluição	5	5	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	5	5	100%	120	135	0	100%	
Cor	20	mg/L PtCo	5	5	100%	<2	2,7	0	100%	
Manganés	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO3	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	5	5	100%	0	1	-	-	a)
Número de colónias a 36°C	Sem alteração	Número/mL	5	5	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O2	5	5	100%	12	3,9	0	100%	
pH	6,5-9,5	escala de Sørensen	5	5	100%	7,2	8,2	0	100%	
Sabor	3	Factor de diluição	5	5	100%	<1	<1	0	100%	
Turbidez	4	UNT	5	5	100%	<0,4	0,53	0	100%	
CONTROLO DE INSPECÇÃO (CI)										
1,2-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	5	5	100%	32	83	0	100%	
Antimónio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Arsénio	10	µg/L As	—	—	—	—	—	—	—	
Benzeno	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Bromato	10	µg/L BrO3	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Chumbo	10	µg/L Pb	—	—	—	—	—	—	—	
Cianetos	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	5	5	100%	0	0	0	100%	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Crómio	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO3	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	5	5	100%	0	0	0	100%	
Ferro	200	µg/L Fe	—	—	—	—	—	—	—	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitrato	0,5	mg/L NO2	—	—	—	—	—	—	—	
Selénio	10	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO4	—	—	—	—	—	—	—	
a- total	0,1	Bq/l	—	—	—	—	—	—	—	
g- total	1	Bq/l	—	—	—	—	—	—	—	
Dose indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH - Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(ghi)perileno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Aclorato	0,1	µg/L	—	—	—	—	—	—	—	
Bentazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilterbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamil	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
Imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linuron	0,1	µg/L	—	—	—	—	—	—	—	
Metaxal (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolaclo (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilsimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tn-halometanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodichlorometano	—	µg/L	—	—	—	—	—	—	—	
Bromofórmio	—	µg/L	—	—	—	—	—	—	—	
Clorofórmio	—	µg/L	—	—	—	—	—	—	—	
Dibromochlorometano	—	µg/L	—	—	—	—	—	—	—	
Tetrachloroeteno e Trichloroeteno	10	µg/L	—	—	—	—	—	—	—	
Tetrachloroeteno	—	µg/L	—	—	—	—	—	—	—	
Trichloroeteno	—	µg/L	—	—	—	—	—	—	—	

Zona de Abastecimento
Alvega

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLE DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl ₂	3	3	100%	0,2	0,41	-	-	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLE DE ROTINA 2 (CR.2)										
Amoníaco	0,50	mg/L NH ₄	---	---	---	---	---	---	---	
Chloro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	300	300	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO ₃	---	---	---	---	---	---	---	
Número de colônias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	b)
Número de colônias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxalato	5,0	mg/L O ₂	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sorensen	1	1	100%	7,7	7,7	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLE DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	1	1	100%	<20	<20	0	100%	
Antimônio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsênio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,01	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO ₃	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crômio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO ₃	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitratos	0,5	mg/L NO ₂	---	---	---	---	---	---	---	
Selênio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO ₄	---	---	---	---	---	---	---	
α- total	0,1	Bq/l	---	---	---	---	---	---	---	
β- total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(g)hperileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometopato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamil	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil(isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo(isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloroetano e Tricloroetano	10	µg/L	---	---	---	---	---	---	---	
Tetracloroetano	---	µg/L	---	---	---	---	---	---	---	
Tricloroetano	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Arreciadas

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLE DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl2	3	3	100%	0,32	0,44	-	-	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLE DE ROTINA 2 (CR.2)										
Amônio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Cheiro	3	Fator de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	170	170	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colônias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Número de colônias a 36°C	Sem alteração	Número/mL	1	1	100%	4	4	-	-	a)
Oxidabilidade	5,0	mg/L O2	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sorensen	1	1	100%	7,2	7,2	0	100%	
Sabor	3	Fator de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLE DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimônio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsênio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crômio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	1	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitrato	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selênio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(ghi)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Aiacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilatrazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamil	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidacloprida	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil(isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo(isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromotórmio	---	µg/L	---	---	---	---	---	---	---	
Clorotórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	10	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tricloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Atalaia

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	1	1	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl ₂	1	1	100%	0,59	0,59	-	-	a)
Escherichia coli	0	Número/100mL	1	1	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH ₄	---	---	---	---	---	---	---	
Chloro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	196	196	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	1	1	100%	69	69	1	0%	c)
Nitratos	50	mg/L NO ₃	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	1	1	-	-	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O ₂	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sorensen	1	1	100%	7,3	7,3	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	14	14	0	100%	
CONTROLO DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimonio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsénio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,01	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO ₃	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO ₃	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	1	1	100%	80	80	0	100%	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitritos	0,5	mg/L NO ₂	---	---	---	---	---	---	---	
Selénio	0	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO ₄	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(ghi)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilerbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutiazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamil	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclopirisómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetisimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	10	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tricloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Barrada

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	1	1	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl ₂	1	1	100%	0,3	0,3	-	-	a)
Escherichia coli	0	Número/100mL	1	1	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH ₄	---	---	---	---	---	---	---	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	350	350	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO ₃	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O ₂	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sorense	1	1	100%	7,5	7,5	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turvação	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPEÇÃO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsénio	0	µg/L As	1	1	100%	8	8	0	100%	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	0	µg/L BrO ₃	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	0	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO ₃	---	---	---	---	---	---	---	
Entero coccos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitrato	0,5	mg/L NO ₂	---	---	---	---	---	---	---	
Selénio	0	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO ₄	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(g)hifenileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Benazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetiltiazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetiltbutiltiazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutiltiazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamit	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil(isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclopr(isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	0	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tricloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Bemposta

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR 1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl2	3	3	100%	0,21	0,36	0	---	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR 2)										
Amónio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Chloro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	150	150	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	0	100%	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	1	1	0	---	a)
Oxidabilidade	5,0	mg/L O2	---	---	---	---	---	---	---	
pH	8,5-9,5	escala de Sorensen	1	1	100%	7,3	7,3	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPEÇÃO (CI)										
12-Dicloropelano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	1	1	100%	<20	<20	0	100%	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsénio	0	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Brometo	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	0	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitratos	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selénio	0	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(ghi)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Benazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometoato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamill	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxilil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclopr (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromotórmio	---	µg/L	---	---	---	---	---	---	---	
Clorotórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreteno e Tricloreteno	0	µg/L	---	---	---	---	---	---	---	
Tetracloreteno	---	µg/L	---	---	---	---	---	---	---	
Tricloreteno	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Bicas e Vale de Açor

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl ₂	3	3	100%	0,44	0,59	-	-	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH ₄	---	---	---	---	---	---	---	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	209	209	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO ₃	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxalabilidade	5,0	mg/L O ₂	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sorense	1	1	100%	7	7	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbacão	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCÃO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsénio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO ₃	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloratos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO ₃	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitratos	0,5	mg/L NO ₂	---	---	---	---	---	---	---	
Selénio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO ₄	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH- Totais	0,0	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(g)hipeileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometoalo	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamili	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metalaxil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloroetano e Tricloroetano	10	µg/L	---	---	---	---	---	---	---	
Tetracloroetano	---	µg/L	---	---	---	---	---	---	---	
Tricloroetano	---	µg/L	---	---	---	---	---	---	---	

**Zona de Abastecimento
Brunheirinho**

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Mín	Valor Máx			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	2	2	100%	0	2	1	50%	c)
Desinfetante residual	—	mg/L Cl ₂	2	2	100%	0,35	0,51	—	—	e)
Escherichia coli	0	Número/100mL	2	2	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH ₄	—	—	—	—	—	—	—	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	20	20	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO ₃	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	a)
Oxidabilidade	5,0	mg/L O ₂	—	—	—	—	—	—	—	
pH	6,5-9,5	escala de Sørense	1	1	100%	7,1	7,1	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turvação	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPEÇÃO (CI)										
1,2-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	—	—	—	—	—	—	—	
Antimônio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Arsénio	10	µg/L As	—	—	—	—	—	—	—	
Benzene	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Brometo	10	µg/L BrO ₃	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Chumbo	10	µg/L Pb	—	—	—	—	—	—	—	
Cianetos	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	—	—	—	—	—	—	—	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Crómio	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO ₃	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	1	1	100%	<20	<20	0	100%	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitritos	0,5	mg/L NO ₂	—	—	—	—	—	—	—	
Selénio	10	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO ₄	—	—	—	—	—	—	—	
α-total	0,1	Bq/l	—	—	—	—	—	—	—	
β-total	1	Bq/l	—	—	—	—	—	—	—	
Dose Indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH - Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(ghi)perileno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Alacloro	0,1	µg/L	—	—	—	—	—	—	—	
Benfazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilterbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamil	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linurão	0,1	µg/L	—	—	—	—	—	—	—	
Metaxil(isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolactoro(isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilsimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tri-halometanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodiclorometano	—	µg/L	—	—	—	—	—	—	—	
Bromofórmio	—	µg/L	—	—	—	—	—	—	—	
Clorofórmio	—	µg/L	—	—	—	—	—	—	—	
Dibromoclorometano	—	µg/L	—	—	—	—	—	—	—	
Tetracloreto e Tricloreto	10	µg/L	—	—	—	—	—	—	—	
Tetracloreto	—	µg/L	—	—	—	—	—	—	—	
Tricloreto	—	µg/L	—	—	—	—	—	—	—	

Zona de Abastecimento
Chaminé

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	2	2	100%	0	0	0	100%	
Desinfetante residual	—	mg/L Cl ₂	2	2	100%	0,31	0,4	—	—	a)
Escherichia coli	0	Número/100mL	2	2	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH ₄	—	—	—	—	—	—	—	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	16	16	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO ₃	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	2	2	—	—	b)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	b)
Oxidabilidade	5,0	mg/L O ₂	—	—	—	—	—	—	—	
pH	6,5-9,5	escala de Sorensen	1	1	100%	7,3	7,3	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCÃO (CI)										
1,2-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	—	—	—	—	—	—	—	
Antimónio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Arsénio	0	µg/L As	—	—	—	—	—	—	—	
Benzeno	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Bromato	0	µg/L BrO ₃	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Chumbo	0	µg/L Pb	—	—	—	—	—	—	—	
Cianetos	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	—	—	—	—	—	—	—	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Crómio	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO ₃	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	1	1	1	0	0	0	100%	
Ferro	200	µg/L Fe	—	—	—	—	—	—	—	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitritos	0,5	mg/L NO ₂	—	—	—	—	—	—	—	
Selénio	0	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO ₄	—	—	—	—	—	—	—	
α-total	0,1	Bq/l	—	—	—	—	—	—	—	
β-total	1	Bq/l	—	—	—	—	—	—	—	
Dose Indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH - Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(ghi)perileno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)luoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Alacloro	0,1	µg/L	—	—	—	—	—	—	—	
Bentazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilterbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometoato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamili	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
Imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linurão	0,1	µg/L	—	—	—	—	—	—	—	
Metalaxil (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolaclo (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilsimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tri-halo metanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodicloroetano	—	µg/L	—	—	—	—	—	—	—	
Bromofórmio	—	µg/L	—	—	—	—	—	—	—	
Clorofórmio	—	µg/L	—	—	—	—	—	—	—	
Dibromocloroetano	—	µg/L	—	—	—	—	—	—	—	
Tetracloreto e Tricloreto	10	µg/L	—	—	—	—	—	—	—	
Tetracloreto	—	µg/L	—	—	—	—	—	—	—	
Tricloreto	—	µg/L	—	—	—	—	—	—	—	

Zona de Abastecimento
Concavada

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLE DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl2	3	3	100%	0,23	0,59	-	-	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLE DE ROTINA 2 (CR.2)										
Amônio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Cheiro	3	Fator de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	250	250	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colônias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Número de colônias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	b)
Oxidabilidade	5,0	mg/L O2	1	1	100%	12	12	0	100%	
pH	6,5-9,5	escala de Sorensen	1	1	100%	6,8	6,8	0	100%	
Sabor	3	Fator de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLE DE INSPEÇÃO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimônio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsênio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crômio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitritos	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selenio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α- total	0,1	Bq/l	---	---	---	---	---	---	---	
β- total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH- Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(g,h,i)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Benlazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometoato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamil	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil (isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaciloro(isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	10	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tricloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Foz e Água Travessa

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	N.º Análises Previstas	N.º Análises Realizadas	% Análises Realizadas	Valor Mín	Valor Máx			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	2	2	100%	0	0	1	50%	c)
Desinfetante residual	---	mg/L Cl2	2	2	100%	0,48	0,48	-	-	a)
Escherichia coli	0	Número/100mL	2	2	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Choro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Conductividade	2500	µS/cm a 20°C	1	1	100%	200	200	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	30	30	-	-	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	2	2	-	-	b)
Oxidabilidade	5,0	mg/L O2	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sørensen	1	1	100%	6,9	6,9	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPEÇÃO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsénio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	1	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitratos	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selénio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(g)hifenileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazone	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetiltetrazina	0,1	µg/L	---	---	---	---	---	---	---	
Dinuro	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamul	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linuro	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetisimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodichlorometano	---	µg/L	---	---	---	---	---	---	---	
Bromoformio	---	µg/L	---	---	---	---	---	---	---	
Cloroformio	---	µg/L	---	---	---	---	---	---	---	
Dibromochlorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	10	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tricloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Mouriscas

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	—	mg/L Cl2	3	3	100%	0,2	0,6	—	—	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	—	—	—	—	—	—	—	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	112	112	0	100%	
Cór	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO3	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	b)
Número de colónias a 35°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	a)
Oxidabilidade	5,0	mg/L O2	—	—	—	—	—	—	—	
pH	6,5-8,5	scale de Sorense	1	1	100%	7	7	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCAO (CI)										
12-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	1	1	100%	<20	<20	0	100%	
Antimónio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Ársénio	0	µg/L As	—	—	—	—	—	—	—	
Benzeno	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Bromato	0	µg/L BrO3	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Cromo	10	µg/L Pb	—	—	—	—	—	—	—	
Cianeto	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	1	1	100%	0	0	0	100%	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Cromo	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO3	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	—	—	—	—	—	—	—	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitrato	0,5	mg/L NO2	—	—	—	—	—	—	—	
Selénio	0	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO4	—	—	—	—	—	—	—	
a-total	0,1	Bq/l	—	—	—	—	—	—	—	
B-total	1	Bq/l	—	—	—	—	—	—	—	
Dose Indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH - Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(ghi)perileno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Alacloro	0,1	µg/L	—	—	—	—	—	—	—	
Bentazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilterbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamill	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
Imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linurão	0,1	µg/L	—	—	—	—	—	—	—	
Metaxil(isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolaclo(isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilsimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tri-halometanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodiclorometano	—	µg/L	—	—	—	—	—	—	—	
Bromofórmio	—	µg/L	—	—	—	—	—	—	—	
Clorofórmio	—	µg/L	—	—	—	—	—	—	—	
Dibromoclorometano	—	µg/L	—	—	—	—	—	—	—	
Tetracloreto e Tricloreto	0	µg/L	—	—	—	—	—	—	—	
Tetracloreto	—	µg/L	—	—	—	—	—	—	—	
Tricloreto	—	µg/L	—	—	—	—	—	—	—	

Zona de Abastecimento
Pego

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLE DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl2	3	3	100%	0,4	0,59	-	-	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLE DE ROTINA 2 (CR.2)										
Amônio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Choro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	370	370	0	100%	
Cór	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colônias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Número de colônias a 36°C	Sem alteração	Número/mL	1	1	100%	1	1	-	-	a)
Oxidabilidade	5,0	mg/L O2	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sorensen	1	1	100%	7,7	7,7	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLE DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimônio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsênio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crômio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitratos	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selênio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(ghi)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometoato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamil	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil (isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo (isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halo metanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromo dicloro metano	---	µg/L	---	---	---	---	---	---	---	
Bromo fórmio	---	µg/L	---	---	---	---	---	---	---	
Cloro fórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromo cloro metano	---	µg/L	---	---	---	---	---	---	---	
Tetracloro eteno e Tricloro eteno	10	µg/L	---	---	---	---	---	---	---	
Tetracloro eteno	---	µg/L	---	---	---	---	---	---	---	
Tricloro eteno	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Rio de Moinhos

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl ₂	3	3	100%	0,22	0,6	-	-	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH ₄	---	---	---	---	---	---	---	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	100	500	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	1	1	100%	39	39	0	100%	
Nitratos	50	mg/L NO ₃	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O ₂	1	1	100%	19	19	0	100%	
pH	6,5-9,5	escala de Sorensen	1	1	100%	6,9	6,9	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turvação	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCÃO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	1	1	100%	38	38	0	100%	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Ársénio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,01	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO ₃	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	1	1	100%	0	0	0	100%	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO ₃	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitritos	0,5	mg/L NO ₂	---	---	---	---	---	---	---	
Selénio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO ₄	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Rádão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(ghi)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Benlazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutiazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutiazina	0,1	µg/L	---	---	---	---	---	---	---	
Omefato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamit	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	10	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tricloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
S Miguel do Rio Torto

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	—	mg/L Cl2	3	3	100%	0,24	0,34	-	-	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	—	—	—	—	—	—	—	
Chloro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	80	80	0	100%	
Cor	20	mg/L PtCo	1	1	100%	3,1	3,1	0	100%	
Manganês	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO3	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O2	—	—	—	—	—	—	—	
pH	6,5-9,5	escala de Sorense	1	1	100%	6,5	6,5	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	—	—	—	—	—	—	—	
Antimónio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Arsénio	10	µg/L As	—	—	—	—	—	—	—	
Benzeno	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Bromoato	10	µg/L BrO3	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Chumbo	10	µg/L Pb	—	—	—	—	—	—	—	
Cianetos	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	—	—	—	—	—	—	—	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Crómio	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO3	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	1	1	100%	31	31	0	100%	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitritos	0,5	mg/L NO2	—	—	—	—	—	—	—	
Selénio	10	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO4	—	—	—	—	—	—	—	
α-total	0,1	Bq/l	—	—	—	—	—	—	—	
β-total	1	Bq/l	—	—	—	—	—	—	—	
Dose Indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH - Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(ghi)perileno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Alacloro	0,1	µg/L	—	—	—	—	—	—	—	
Bentazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilterbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometoato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamil	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linurão	0,1	µg/L	—	—	—	—	—	—	—	
Metalaxil (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolaclo (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilsimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tri-halometanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodiclorometano	—	µg/L	—	—	—	—	—	—	—	
Bromofórmio	—	µg/L	—	—	—	—	—	—	—	
Clorofórmio	—	µg/L	—	—	—	—	—	—	—	
Dibromoclorometano	—	µg/L	—	—	—	—	—	—	—	
Tetracloretoeno e Tricloretoeno	10	µg/L	—	—	—	—	—	—	—	
Tetracloretoeno	—	µg/L	—	—	—	—	—	—	—	
Tricloretoeno	—	µg/L	—	—	—	—	—	—	—	

Zona de Abastecimento
Rossio ao Sul do Tejo

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl2	3	3	100%	0,23	0,52	0	100%	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	200	200	0	100%	
Cór	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	0	100%	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	0	100%	e)
Oxidabilidade	5,0	mg/L O2	---	---	---	---	---	---	---	
pH	6,5-9,5	escala de Sorensen	1	1	100%	7	7	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsénio	1,0	µg/L As	---	---	---	---	---	---	---	
Benzano	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromoeto	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloratos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitratos	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selénio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH- Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(g)hifenileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Benlazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometopato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamil	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metalaxil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	10	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tricloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Fontes – Souto Norte

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	a)
Desinfetante residual	—	mg/L Cl2	3	3	100%	0,25	0,39	—	—	
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	—	—	—	—	—	—	—	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	82	82	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO3	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	a)
Oxidabilidade	5,0	mg/L O2	—	—	—	—	—	—	—	
pH	6,5-9,5	escala de Sorensen	1	1	100%	6,9	6,9	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPEÇÃO (CI)										
1,2-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	—	—	—	—	—	—	—	
Antimónio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Arsénio	10	µg/L As	—	—	—	—	—	—	—	
Benzeno	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Bromato	10	µg/L BrO3	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Chumbo	10	µg/L Pb	—	—	—	—	—	—	—	
Cianetos	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	1	1	100%	0	0	0	100%	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Crómio	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO3	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	—	—	—	—	—	—	—	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitritos	0,5	mg/L NO2	—	—	—	—	—	—	—	
Selenio	10	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO4	—	—	—	—	—	—	—	
α- total	0,1	Bq/l	—	—	—	—	—	—	—	
β- total	1	Bq/l	—	—	—	—	—	—	—	
Dose Indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH- Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(ghi)perileno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Alacloro	0,1	µg/L	—	—	—	—	—	—	—	
Bentazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetiltibutiazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutiazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamit	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linurão	0,1	µg/L	—	—	—	—	—	—	—	
Metaxil (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolaclores(isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetisimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tri-halometanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodiclorometano	—	µg/L	—	—	—	—	—	—	—	
Bromofórmio	—	µg/L	—	—	—	—	—	—	—	
Clorofórmio	—	µg/L	—	—	—	—	—	—	—	
Dibromoclorometano	—	µg/L	—	—	—	—	—	—	—	
Tetracloreto e Tricloreto	10	µg/L	—	—	—	—	—	—	—	
Tetracloreto	—	µg/L	—	—	—	—	—	—	—	
Tricloreto	—	µg/L	—	—	—	—	—	—	—	

Zona de Abastecimento
Tramagal

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	
Desinfetante residual	---	mg/L Cl2	3	3	100%	0,35	0,49	---	---	a)
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Choro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	970	170	0	100%	
Cer	20	mg/L PTCO	1	1	100%	<2	<2	0	100%	
Manganés	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	---	---	a)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	---	---	a)
Oxidabilidade	5,0	mg/L O2	---	---	---	---	---	---	---	
pH	6,5-8,5	escala de Sørensen	1	1	100%	6,7	6,7	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turvação	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsénio	10	µg/L As	1	1	100%	<2	<2	0	100%	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	1	1	100%	<20	<20	0	100%	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitrato	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selénio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
a- total	0,1	Bq/l	---	---	---	---	---	---	---	
B- total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(ghi)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilatrazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ormetato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamil	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metalaixil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloretoeno e Tricloretoeno	10	µg/L	---	---	---	---	---	---	---	
Tetracloretoeno	---	µg/L	---	---	---	---	---	---	---	
Tricloretoeno	---	µg/L	---	---	---	---	---	---	---	

**Zona de Abastecimento
Vale de Açor (Fonte)**

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLE DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	2	2	100%	0	0	0	100%	a)
Desinfetante residual	---	mg/L Cl2	2	2	100%	0,24	0,3	-	-	
Escherichia coli	0	Número/100mL	2	2	100%	0	0	0	100%	
CONTROLE DE ROTINA 2 (CR.2)										
Amônio	0,50	mg/L NH4	---	---	---	---	---	---	---	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	84	84	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	mg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Número de colônias a 22°C	Sem alteração	Número/mL	1	1	100%	1	1	-	-	a)
Número de colônias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O2	1	1	100%	15	15	0	100%	
pH	6,5-9,5	escala de Sorensen	1	1	100%	6,9	6,9	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turbidez	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLE DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimônio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Arsênio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,010	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloreto	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Número/100mL	1	1	100%	0	0	0	100%	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Cromo	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitrito	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selênio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(g,h,i)pireno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilterbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometoato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamili	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaixil(isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo(isômeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodiclorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloreto e Tricloreto	10	µg/L	---	---	---	---	---	---	---	
Tetracloreto	---	µg/L	---	---	---	---	---	---	---	
Tocloreto	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Vale de Cortiças

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores vp	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	1	1	100%	0	0	0	100%	
Desinfetante residual	—	mg/L Cl ₂	1	1	100%	0,22	0,22	-	-	a)
Escherichia coli	0	Número/100mL	1	1	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH ₄	—	—	—	—	—	—	—	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	272	272	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO ₃	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	3	3	-	-	b)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O ₂	—	—	—	—	—	—	—	
pH	6,5-9,5	escala de Sørense	1	1	100%	7,2	7,2	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turvaco	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	—	—	—	—	—	—	—	
Antimónio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Arsénio	10	µg/L As	—	—	—	—	—	—	—	
Benzeno	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Bromato	10	µg/L BrO ₃	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Chumbo	10	µg/L Pb	—	—	—	—	—	—	—	
Cianetos	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	—	—	—	—	—	—	—	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Crómio	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO ₃	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	—	—	—	—	—	—	—	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitratos	0,5	mg/L NO ₂	—	—	—	—	—	—	—	
Selénio	10	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO ₄	—	—	—	—	—	—	—	
α- total	0,1	Bq/l	—	—	—	—	—	—	—	
β- total	1	Bq/l	—	—	—	—	—	—	—	
Dose Indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH - Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(g,h,i)perileno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Alacloro	0,1	µg/L	—	—	—	—	—	—	—	
Bentazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilterbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometopato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamil	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linurão	0,1	µg/L	—	—	—	—	—	—	—	
Metaxil (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolaclo (isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetisimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tri-halometanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodiclorometano	—	µg/L	—	—	—	—	—	—	—	
Bromofórmio	—	µg/L	—	—	—	—	—	—	—	
Clorofórmio	—	µg/L	—	—	—	—	—	—	—	
Dibromoclorometano	—	µg/L	—	—	—	—	—	—	—	
Tetracloreto e Tricloreto	10	µg/L	—	—	—	—	—	—	—	
Tetracloreto	—	µg/L	—	—	—	—	—	—	—	
Tricloreto	—	µg/L	—	—	—	—	—	—	—	

Zona de Abastecimento
Vale das Mós

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores VP	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Numero/100mL	3	3	100%	0	7	1	67%	c)
Desinfectante residual	---	mg/L Cl2	3	3	100%	0,41	0,59	-	-	a)
Escherichia coli	0	Numero/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	1	1	100%	<0,04	<0,04	0	100%	
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	80	80	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	
Manganês	50	µg/L Mn	---	---	---	---	---	---	---	
Nitratos	50	mg/L NO3	---	---	---	---	---	---	---	
Numero de colónias a 22°C	Sem alteração	Numero/mL	1	1	100%	0	0	-	-	a)
Numero de colónias a 36°C	Sem alteração	Numero/mL	1	1	100%	0	0	-	-	a)
Oxidabilidade	5,0	mg/L O2	---	---	---	---	---	---	---	
pH	6,5-9,5	scale de Sorensen	1	1	100%	7,6	7,6	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turvação	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPECCAO (CI)										
1,2-Dicloroetano	3	µg/L	---	---	---	---	---	---	---	
Alumínio	200	µg/L Al	---	---	---	---	---	---	---	
Antimónio	5,0	µg/L Sb	---	---	---	---	---	---	---	
Ársénio	10	µg/L As	---	---	---	---	---	---	---	
Benzeno	10	µg/L	---	---	---	---	---	---	---	
Benzo(a)pireno	0,01	µg/L	---	---	---	---	---	---	---	
Boro	10	mg/L B	---	---	---	---	---	---	---	
Bromato	10	µg/L BrO3	---	---	---	---	---	---	---	
Cádmio	5,0	µg/L Cd	---	---	---	---	---	---	---	
Cálcio	---	mg/L Ca	---	---	---	---	---	---	---	
Chumbo	10	µg/L Pb	---	---	---	---	---	---	---	
Cianetos	50	µg/L CN	---	---	---	---	---	---	---	
Cloretos	250	mg/L Cl	---	---	---	---	---	---	---	
Clostridium perfringens	0	Numero/100mL	---	---	---	---	---	---	---	
Cobre	2,0	mg/L Cu	---	---	---	---	---	---	---	
Crómio	50	µg/L Cr	---	---	---	---	---	---	---	
Dureza total	---	mg/L CaCO3	---	---	---	---	---	---	---	
Enterococos	0	Numero/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	---	---	---	---	---	---	---	
Fluoretos	15	mg/L F	---	---	---	---	---	---	---	
Magnésio	---	mg/L Mg	---	---	---	---	---	---	---	
Mercurio	1	µg/L Hg	---	---	---	---	---	---	---	
Níquel	20	µg/L Ni	---	---	---	---	---	---	---	
Nitratos	0,5	mg/L NO2	---	---	---	---	---	---	---	
Selénio	10	µg/L Se	---	---	---	---	---	---	---	
Sódio	200	mg/L Na	---	---	---	---	---	---	---	
Sulfatos	250	mg/L SO4	---	---	---	---	---	---	---	
α-total	0,1	Bq/l	---	---	---	---	---	---	---	
β-total	1	Bq/l	---	---	---	---	---	---	---	
Dose Indicativa Total	0,1	mSv/ano	---	---	---	---	---	---	---	
Radão	500	Bq/l	---	---	---	---	---	---	---	
PAH - Totais	0,10	µg/L	---	---	---	---	---	---	---	
Benzo(b)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Benzo(ghi)perileno	---	µg/L	---	---	---	---	---	---	---	
Benzo(k)fluoranteno	---	µg/L	---	---	---	---	---	---	---	
Indeno(1,2,3-cd)pireno	---	µg/L	---	---	---	---	---	---	---	
Pesticidas Totais	0,5	µg/L	---	---	---	---	---	---	---	
Alacloro	0,1	µg/L	---	---	---	---	---	---	---	
Bentazona	0,1	µg/L	---	---	---	---	---	---	---	
Desetilazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilerbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Diurão	0,1	µg/L	---	---	---	---	---	---	---	
Terbutilazina	0,1	µg/L	---	---	---	---	---	---	---	
Ometato	0,1	µg/L	---	---	---	---	---	---	---	
MCPA	0,1	µg/L	---	---	---	---	---	---	---	
Oxamit	0,1	µg/L	---	---	---	---	---	---	---	
Clorpirifos	0,1	µg/L	---	---	---	---	---	---	---	
Imidaclopride	0,1	µg/L	---	---	---	---	---	---	---	
Linurão	0,1	µg/L	---	---	---	---	---	---	---	
Metaxil (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Metolaclo (isómeros)	0,1	µg/L	---	---	---	---	---	---	---	
Simazina	0,1	µg/L	---	---	---	---	---	---	---	
Desetilsimazina	0,1	µg/L	---	---	---	---	---	---	---	
Tri-halometanos Totais	100	µg/L	---	---	---	---	---	---	---	
Bromodichlorometano	---	µg/L	---	---	---	---	---	---	---	
Bromofórmio	---	µg/L	---	---	---	---	---	---	---	
Clorofórmio	---	µg/L	---	---	---	---	---	---	---	
Dibromoclorometano	---	µg/L	---	---	---	---	---	---	---	
Tetracloretoeno e Tricloretoeno	10	µg/L	---	---	---	---	---	---	---	
Tetracloretoeno	---	µg/L	---	---	---	---	---	---	---	
Tricloretoeno	---	µg/L	---	---	---	---	---	---	---	

Zona de Abastecimento
Vale de Tábuas – Carvalhal

Parâmetro	Valor Paramétrico (VP)		N.º Análises (PCQA)			Valores Obtidos		N.º Análises superiores vp	% Cumprimento do VP	Obs.
	VP	Unidades	Nr. Análises Previstas	Nr. Análises Realizadas	% Análises Realizadas	Valor Min	Valor Max			
CONTROLO DE ROTINA 1 (CR.1)										
Bactérias coliformes (coliformes totais)	0	Número/100mL	3	3	100%	0	0	0	100%	a)
Desinfetante residual	—	mg/L Cl2	3	3	100%	0,21	0,3	—	—	
Escherichia coli	0	Número/100mL	3	3	100%	0	0	0	100%	
CONTROLO DE ROTINA 2 (CR.2)										
Amónio	0,50	mg/L NH4	—	—	—	—	—	—	—	b)
Cheiro	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Condutividade	2500	µS/cm a 20°C	1	1	100%	88	88	0	100%	
Cor	20	mg/L PtCo	1	1	100%	<2	<2	0	100%	b)
Manganés	50	µg/L Mn	—	—	—	—	—	—	—	
Nitratos	50	mg/L NO3	—	—	—	—	—	—	—	
Número de colónias a 22°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	b)
Número de colónias a 36°C	Sem alteração	Número/mL	1	1	100%	0	0	—	—	
Oxidabilidade	5,0	mg/L O2	—	—	—	—	—	—	—	
pH	6,5-9,5	escala de Sørense	1	1	100%	7,5	7,5	0	100%	
Sabor	3	Factor de diluição	1	1	100%	<1	<1	0	100%	
Turvação	4	UNT	1	1	100%	<0,4	<0,4	0	100%	
CONTROLO DE INSPEÇÃO (CI)										
1,2-Dicloroetano	3	µg/L	—	—	—	—	—	—	—	
Alumínio	200	µg/L Al	—	—	—	—	—	—	—	
Antimónio	5,0	µg/L Sb	—	—	—	—	—	—	—	
Arsénio	0	µg/L As	—	—	—	—	—	—	—	
Benzeno	10	µg/L	—	—	—	—	—	—	—	
Benzo(a)pireno	0,010	µg/L	—	—	—	—	—	—	—	
Boro	10	mg/L B	—	—	—	—	—	—	—	
Bromato	0	µg/L BrO3	—	—	—	—	—	—	—	
Cádmio	5,0	µg/L Cd	—	—	—	—	—	—	—	
Cálcio	—	mg/L Ca	—	—	—	—	—	—	—	
Chumbo	0	µg/L Pb	—	—	—	—	—	—	—	
Cianetos	50	µg/L CN	—	—	—	—	—	—	—	
Cloretos	250	mg/L Cl	—	—	—	—	—	—	—	
Clostridium perfringens	0	Número/100mL	1	1	100%	0	0	0	100%	
Cobre	2,0	mg/L Cu	—	—	—	—	—	—	—	
Crómio	50	µg/L Cr	—	—	—	—	—	—	—	
Dureza total	—	mg/L CaCO3	—	—	—	—	—	—	—	
Enterococos	0	Número/100mL	1	1	100%	0	0	0	100%	
Ferro	200	µg/L Fe	—	—	—	—	—	—	—	
Fluoretos	15	mg/L F	—	—	—	—	—	—	—	
Magnésio	—	mg/L Mg	—	—	—	—	—	—	—	
Mercurio	1	µg/L Hg	—	—	—	—	—	—	—	
Níquel	20	µg/L Ni	—	—	—	—	—	—	—	
Nitrato	0,5	mg/L NO2	—	—	—	—	—	—	—	
Selénio	0	µg/L Se	—	—	—	—	—	—	—	
Sódio	200	mg/L Na	—	—	—	—	—	—	—	
Sulfatos	250	mg/L SO4	—	—	—	—	—	—	—	
α-total	0,1	Bq/l	—	—	—	—	—	—	—	
β-total	1	Bq/l	—	—	—	—	—	—	—	
Dose Indicativa Total	0,1	mSv/ano	—	—	—	—	—	—	—	
Radão	500	Bq/l	—	—	—	—	—	—	—	
PAH - Totais	0,10	µg/L	—	—	—	—	—	—	—	
Benzo(b)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Benzo(g,h,i)pireno	—	µg/L	—	—	—	—	—	—	—	
Benzo(k)fluoranteno	—	µg/L	—	—	—	—	—	—	—	
Indeno(1,2,3-cd)pireno	—	µg/L	—	—	—	—	—	—	—	
Pesticidas Totais	0,5	µg/L	—	—	—	—	—	—	—	
Alecloro	0,1	µg/L	—	—	—	—	—	—	—	
Bentazona	0,1	µg/L	—	—	—	—	—	—	—	
Desetilatrazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilterbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Diurão	0,1	µg/L	—	—	—	—	—	—	—	
Terbutilazina	0,1	µg/L	—	—	—	—	—	—	—	
Ometoato	0,1	µg/L	—	—	—	—	—	—	—	
MCPA	0,1	µg/L	—	—	—	—	—	—	—	
Oxamil	0,1	µg/L	—	—	—	—	—	—	—	
Clorpirifos	0,1	µg/L	—	—	—	—	—	—	—	
Imidaclopride	0,1	µg/L	—	—	—	—	—	—	—	
Linurão	0,1	µg/L	—	—	—	—	—	—	—	
Metaxil(isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Metolaclo(isómeros)	0,1	µg/L	—	—	—	—	—	—	—	
Simazina	0,1	µg/L	—	—	—	—	—	—	—	
Desetilsimazina	0,1	µg/L	—	—	—	—	—	—	—	
Tri-halometanos Totais	100	µg/L	—	—	—	—	—	—	—	
Bromodichlorometano	—	µg/L	—	—	—	—	—	—	—	
Bromoformio	—	µg/L	—	—	—	—	—	—	—	
Cloroformio	—	µg/L	—	—	—	—	—	—	—	
Dibromochlorometano	—	µg/L	—	—	—	—	—	—	—	
Tetrachloroeteno e Trichloroeteno	0	µg/L	—	—	—	—	—	—	—	
Tetrachloroeteno	—	µg/L	—	—	—	—	—	—	—	
Trichloroeteno	—	µg/L	—	—	—	—	—	—	—	

Os valores obtidos no controlo analítico são apurados a partir de amostras recolhidas nas torneiras dos consumidores

- (a) - Sem Valor Paramétrico definido, pelo que não é efetuado o apuramento da % de cumprimento.
- (b) - Valores associados às características da água captada, que carecem de correção complementar.
- (c) - Situações associadas a alterações pontuais nas origens de água ou problemas pontuais na rede distribuição, que são objeto de intervenção corretiva pelos SMA.
- (d) - Em Análise.
- (e) - Valores em apuramento laboratorial.

As situações de incumprimento são comunicadas à Entidade Reguladora dos Serviços de Águas e Resíduos (ERSAR) e à Autoridade de Saúde que supervisionam a evolução das situações e das medidas corretivas adotadas.

As situações de incumprimento associadas a avarias, logo que identificadas, são objeto de medidas corretivas adequadas e posteriormente confirmada, por análise de verificação, a normalização da situação.

E para constar se publica o presente edital e outros de igual teor, que vão ser afixados nos lugares mais públicos e do costume.

Paços do Concelho de Abrantes, 26 de fevereiro de 2020

O-Presidente da Câmara Municipal



Manuel Jorge Séneca Luz Valamatos dos Reis