



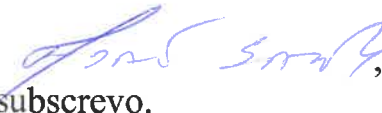
MUNICÍPIO DE CASTELO DE PAIVA

EDITAL

Dr. Gonçalo Fernando da Rocha de Jesus, Presidente da Câmara Municipal de Castelo de Paiva,

A Câmara Municipal, em cumprimento do n.º 1, do artigo 17º, do Decreto-Lei n.º 306/2007, de 27 de Agosto, vem **publicitar** o resultado do **CONTROLO ANALÍTICO DA QUALIDADE DA ÁGUA** relativa ao 2º trimestre de 2018.

Para constar e devidos efeitos, se publica o presente edital e outros de igual teor que vão ser afixados nos lugares públicos e do costume.

E eu, , Dr. Adão Santos, Diretor do Departamento Técnico, o subscrevo.

Castelo de Paiva, 16 de agosto de 2018

O Presidente da Câmara Municipal,

(Gonçalo Rocha, Dr.)

MUNICÍPIO DE CASTELO DE PAIVA		CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NAS ZONAS DE ABASTECIMENTO ¹ DO CONCELHO DE CASTELO DE PAIVA				EDITAL n.º 78		
Em conformidade com o Decreto-Lei n.º 306/2007, de 27 de agosto, na sua redação atual, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR).						2º TRIMESTRE 2018 01 abril a 30 junho		
Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
<i>Escherichia coli</i> (N/100 ml)	0	---	0	0	100%	25	25	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	25	25	100%
Desinfetante residual (mg/L)	---	0,19	0,9	---	---	25	25	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	<0,05	0	100%	9	9	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	0	4	---	---	9	9	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	0	---	---	9	9	100%
Condutividade (µS/cm a 20°C)	2500	67	239	0	100%	9	9	100%
Cor (mg/L PtCo)	20	<3	3,4	0	100%	9	9	100%
pH (Unidades pH)	≥6,5 e ≤9	6,9	7,7	0	100%	9	9	100%
Manganês (µg/L Mn)	50	0,00303	5	0	100%	9	9	100%
Nitratos (mg/L NO ₃)	50	<1,0	6	0	100%	4	4	100%
Oxidabilidade (mg/L O ₂)	5	<1	2,3	0	100%	9	9	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	9	9	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	9	9	100%
Turvação (NTU)	4	<1	3	0	100%	9	9	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	<5	108	0	100%	5	5	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	0	0	100%	9	9	100%
Ferro (µg/L Fe)	200	7,8	180	0	100%	9	9	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,10	0	100%	5	5	100%
Antimónio (µg/L Sb)	5,0	<1	1,6	0	100%	4	4	100%
Arsénio (µg/L As)	10	---	<1	0	100%	4	4	100%
Benzeno (µg/L)	1,0	<0,26	<0,3	0	100%	4	4	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	5	5	100%
Boro (mg/L B)	1,0	<0,01	<0,1	0	100%	4	4	100%
Bromatos (µg/L BrO ₃)	10,0	---	<5	0	100%	4	4	100%
Cádmio (µg/L Cd)	5,0	<0,2	<0,5	0	100%	4	4	100%
Cálcio (mg/L Ca)	---	6,39	26,1	---	---	5	5	100%
Chumbo (µg/L Pb)	10	<1	<2	0	100%	5	5	100%
Cianetos (µg/L CN)	50	---	<20	0	100%	4	4	100%
Cobre (mg/L Cu)	2,0	0,0075	0,041	0	100%	5	5	100%
Crómio (µg/L Cr)	50	<1	<5	0	100%	4	4	100%
1-2 Dicloroetano (µg/L)	3,0	<0,25	<0,3	0	100%	4	4	100%
Dureza total (mg/L CaCO ₃)	---	23,3	72	---	---	5	5	100%
Enterococos (N/100 mL)	0	---	0	0	100%	5	5	100%
Fluoretos (mg/L F)	1,5	<0,2	0,79	0	100%	4	4	100%
Magnésio (mg/L Mg)	---	1,78	5,65	0	---	5	5	100%
Mercurio (µg/L Hg)	1,0	<0,01	<0,2	0	100%	4	4	100%
Níquel (µg/L Ni)	20	0,002	2,5	0	100%	5	5	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,005	0	100%	5	5	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,005	0	100%	5	5	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,005	---	---	5	5	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,005	---	---	5	5	100%
Indeno(1,2,3-cd)pireno (µg/L)	---	---	<0,005	---	---	5	5	100%
Selénio (µg/L Se)	10	<1	<2,5	0	100%	4	4	100%
Cloretos (mg/L Cl)	250	<10	13	0	100%	4	4	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	100%	4	4	100%
Tetracloroetano (µg/L)	---	---	<0,5	---	---	4	4	100%
Tricloroetano (µg/L)	---	---	<0,5	---	---	4	4	100%
Trihalometanos - total (µg/L):	100	<0,50	67	0	100%	5	5	100%
Clorofórmio (µg/L)	---	<0,4	55	---	---	5	5	100%
Bromofórmio (µg/L)	---	<0,5	0,6	---	---	5	5	100%
Bromodiclorometano (µg/L)	---	<0,5	10	---	---	5	5	100%
Dibromoclorometano (µg/L)	---	<0,5	0,8	---	---	5	5	100%
Sódio (mg/L Na)	200	5,99	36,8	0	100%	4	4	100%
Sulfatos (mg/L SO ₄)	250	<10	13	0	100%	4	4	100%
Pesticidas - total (µg/L):	0,5	<0,08	<0,10	0	100%	4	4	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	4	4	100%
Beta total (Bq/l)	<0,10	---	<0,1	0	100%	4	4	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	4	4	100%
Radão (Bq/l)	500	<10	88,9	0	100%	5	5	100%
Alacloro (µg/L)	0,10	---	<0,08	0	100%	3	3	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,08	0	100%	3	3	100%
Diurão (µg/L)	0,10	---	<0,08	0	100%	3	3	100%
MCPA (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	---	<0,08	0	100%	3	3	100%
Ometoato (µg/L)	0,10	---	<0,07	0	100%	3	3	100%
Bentazona	0,10	---	<0,05	0	100%	1	1	100%
Clorpirifos	---	---	<0,06	0	100%	1	1	100%
Imidaclopride	---	---	<0,05	0	100%	1	1	100%
NOTA 1: Zonas de abastecimento controladas: Sistema Central, Sistema de Selxo, Sistema de Almansôr, Sistema de Moirinho, Sistema de M6, Sistema de Gilde, Sistema de Vilar de Eirigo (fontanário origem única de água), Sistema de Nogueira (fontanário origem única de água) e Sistema da Pró-Água (Raiva)								
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos						Data da publicação: 16/08/2018		

Resumo do Controlo Analítico da Qualidade da Água

Zona de abastecimento "Sistema Central"

(Abrange todas as freguesias do Concelho)

2º Trimestre de 2018

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Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	12	12	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	12	12	100%
Desinfetante residual (mg/L)	---	0,19	0,8	---	---	12	12	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	<0,05	0	100%	5	5	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	0	---	---	5	5	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	0	---	---	5	5	100%
Condutividade (µS/cm a 20°C)	2500	129	152	0	100%	5	5	100%
Cor (mg/L PtCo)	20	---	<3	0	100%	5	5	100%
pH (Unidades pH)	≥6,5 e ≤9	7	7,7	0	100%	5	5	100%
Manganês (µg/L Mn)	50	0,5	5	0	100%	5	5	100%
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	1	1,2	0	100%	5	5	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	5	5	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	5	5	100%
Turvação (NTU)	4	---	<1	0	100%	5	5	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<10	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	---	0	0	100%	5	5	100%
Ferro (µg/L Fe)	200	7,8	180	0	100%	5	5	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,10	0	100%	1	1	100%
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	26,1	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<2	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	0,014	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	72	---	---	1	1	100%
Enterococos (N/100 mL)	0	---	0	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	<2,5	0	---	1	1	100%
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	<2	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,005	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,005	0	100%	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,005	---	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,005	---	---	1	1	100%
Indeno[1,2,3-cd]pireno(µg/L)	---	---	<0,005	---	---	1	1	100%
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	5	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	2,6	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	<0,5	---	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	2	---	---	1	1	100%
Dibromodiclorometano(µg/L)	---	---	0,8	---	---	1	1	100%
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Beta total (Bq/l)	<0,10	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	<10	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona	0,10	---	---	---	---	---	---	---
Clorpirifos	---	---	---	---	---	---	---	---
Imidaclopride	---	---	---	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 16/08/2018



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Almancor" - União de Freguesias de Raiva, Pedorido e Paraíso
2º Trimestre de 2018

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Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
<i>Escherichia coli</i> (N/100 ml)	0	---	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	---	0,4	---	---	2	2	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	<0,05	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	0	4	---	---	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	0	---	---	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	239	0	100%	1	1	100%
Cor (mg/L PtCo)	20	---	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	---	7,7	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	2,31	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	<1	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Turvação (NTU)	4	---	<1	0	100%	1	1	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<5	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	0	0	100%	1	1	100%
Ferro (µg/L Fe)	200	---	90	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,10	0	100%	1	1	100%
Antimónio (µg/L Sb)	5,0	---	1,6	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	<1	0	100%	1	1	100%
Benzeno (µg/L)	1,0	---	<0,3	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,01	0	100%	1	1	100%
Bromatos (µg/L BrO ₃)	10,0	---	<5	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	<0,2	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	6,39	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<1	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<20	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,0075	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<1	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,3	0	100%	1	1	100%
Dureza total (mg/L CaCO ₃)	---	---	39,6	---	---	1	1	100%
Enterococos (N/100 mL)	0	---	0	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	<0,2	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	5,65	---	---	1	1	100%
Mercurio (µg/L Hg)	1,0	---	<0,01	0	100%	1	1	100%
Níquel (µg/L Ni)	20	---	<2	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,005	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,005	0	100%	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,005	---	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,005	---	---	1	1	100%
Indeno(1,2,3-cd)pireno(µg/L)	---	---	<0,005	---	---	1	1	100%
Selénio (µg/L Se)	10	---	<1	0	100%	1	1	100%
Cloreto (mg/L Cl)	250	---	13	0	100%	1	1	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	100%	1	1	100%
Tetracloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Tricloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	2	0	100%	1	1	100%
Clorofórmio(µg/L)	---	---	0,8	---	---	1	1	100%
Bromofórmio(µg/L)	---	---	0,6	---	---	1	1	100%
Bromodiclorometano(µg/L)	---	---	<0,5	---	---	1	1	100%
Dibromoclorometano(µg/L)	---	---	0,6	---	---	1	1	100%
Sódio (mg/L Na)	200	---	36,8	0	100%	1	1	100%
Sulfatos (mg/L SO ₄)	250	---	13	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,08	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	1	1	100%
Beta total (Bq/l)	<0,10	---	<0,1	0	100%	1	1	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	88,9	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Diurão (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Ometoato (µg/L)	0,10	---	<0,07	0	100%	1	1	100%
Bentazona	0,10	---	---	---	---	---	---	---
Clorpirifos	---	---	---	---	---	---	---	---
Imidaclopride	---	---	---	---	---	---	---	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos								
						Data da publicação: 16/08/2018		

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Mó" - Freguesia de Real
2º Trimestre de 2018

2

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	---	0,5	---	---	2	2	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO ₃)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1-2 Diclroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO ₃)	---	---	---	---	---	---	---	---
Enterococos (N/100 mL)	0	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Tetracloroeteno (µg/L)	---	---	---	---	---	---	---	---
Tricloroeteno (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO ₄)	250	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Beta total (Bq/l)	<0,10	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona	0,10	---	---	---	---	---	---	---
Clorpirifos	---	---	---	---	---	---	---	---
Imidaclopride	---	---	---	---	---	---	---	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos								
						Data da publicação: 16/08/2018		



Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Sistema do Seixo" - Freguesia de Real
2º Trimestre de 2018

2

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,5	---	---	1	1	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥8,5 e ≤9	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Enterococos (N/100 mL)	0	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Tetracloroeteno (µg/L)	---	---	---	---	---	---	---	---
Tricloroeteno (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Beta total (Bq/l)	<0,10	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona	0,10	---	---	---	---	---	---	---
Clorpirifos	---	---	---	---	---	---	---	---
Imidaclopride	---	---	---	---	---	---	---	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos								
						Data da publicação: 16/08/2018		

Resumo do Controlo Analítico da Qualidade da Água

Zona de abastecimento "Vilar de Eirigo" - União de Freguesias de Sobrado e Bairros

2º Trimestre de 2018

1

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,7	---	---	1	1	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Enterococos (N/100 mL)	0	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Beta total (Bq/l)	<0,10	---	---	---	---	---	---	---
Dose indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona	0,10	---	---	---	---	---	---	---
Clorpirifos	---	---	---	---	---	---	---	---
Imidaclopride	---	---	---	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data de publicação: 16/08/2018

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Gilde" - Freguesia de Real
2º Trimestre de 2018

4

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
Escherichia coli (N/100 ml)	0	---	0	0	100%	1	1	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	1	1	100%
Desinfetante residual (mg/L)	---	---	0,6	---	---	1	1	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	---	---	---	---	---	---
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	---	---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	---	---	---	---	---	---	---
Cor (mg/L PtCo)	20	---	---	---	---	---	---	---
pH (Unidades pH)	≥6,5 e ≤9	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	---	---	---	---	---	---	---
Nitratos (mg/L NO ₃)	50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O ₂)	5	---	---	---	---	---	---	---
Cheiro a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Sabor a 25°C (Factor de diluição)	3	---	---	---	---	---	---	---
Turvação (NTU)	4	---	---	---	---	---	---	---
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---	---	---	---	---	---	---
Antimónio (µg/L Sb)	5,0	---	---	---	---	---	---	---
Arsénio (µg/L As)	10	---	---	---	---	---	---	---
Benzeno (µg/L)	1,0	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	---	---	---
Boro (mg/L B)	1,0	---	---	---	---	---	---	---
Bromatos (µg/L BrO3)	10,0	---	---	---	---	---	---	---
Cádmio (µg/L Cd)	5,0	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN)	50	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2,0	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
1-2 Dicloroetano (µg/L)	3,0	---	---	---	---	---	---	---
Dureza total (mg/L CaCO3)	---	---	---	---	---	---	---	---
Enterococos (N/100 mL)	0	---	---	---	---	---	---	---
Fluoretos (mg/L F)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercurio(µg/L Hg)	1,0	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Selénio (µg/L Se)	10	---	---	---	---	---	---	---
Cloretos (mg/L Cl)	250	---	---	---	---	---	---	---
Tetracloroetano e Tricloroetano (µg/L):	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	---	---	---
Tricloroetano (µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio (µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano (µg/L)	---	---	---	---	---	---	---	---
Dibromodiorometano (µg/L)	---	---	---	---	---	---	---	---
Sódio (mg/L Na)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO4)	250	---	---	---	---	---	---	---
Pesticidas - total (µg/L):	0,5	---	---	---	---	---	---	---
Alfa total (Bq/l)	<0,05	---	---	---	---	---	---	---
Beta total (Bq/l)	<0,10	---	---	---	---	---	---	---
Dose Indicativa (mSv/ano)	<0,10	---	---	---	---	---	---	---
Radão (Bq/l)	500	---	---	---	---	---	---	---
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona	0,10	---	---	---	---	---	---	---
Clorpirifos	---	---	---	---	---	---	---	---
Imidaclopride	---	---	---	---	---	---	---	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos						Data da publicação: 16/08/2018		

Resumo do Controlo Analítico da Qualidade da Água
Zona de abastecimento "Moinho" - Freguesia de Real
2º Trimestre de 2018

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Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
<i>Escherichia coli</i> (N/100 ml)	0	---	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	0,6	0,7	---	---	2	2	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	<0,05	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	0	0	---	---	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	0	---	---	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	160	0	100%	1	1	100%
Cor (mg/L PtCo)	20	---	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	---	6,9	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	<5	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	2	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Turvação (NTU)	4	---	<1	0	100%	1	1	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	<10	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	0	0	100%	1	1	100%
Ferro (µg/L Fe)	200	---	<60	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,10	0	100%	1	1	100%
Antimónio (µg/L Sb)	5,0	---	<1	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	<1	0	100%	1	1	100%
Benzeno (µg/L)	1,0	---	<0,26	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,1	0	100%	1	1	100%
Bromatos (µg/L BrO ₃)	10,0	---	<5	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	<0,5	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	7,9	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<2	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<20	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,041	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<5	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO ₃)	---	---	23,3	0	---	1	1	100%
Enterococos (N/100 ml)	0	---	0	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	0,79	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	<2,5	0	---	1	1	100%
Mercurio (µg/L Hg)	1,0	---	<0,2	0	100%	1	1	100%
Níquel (µg/L Ni)	20	---	2,5	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,005	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,005	0	100%	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,005	---	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,005	---	---	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	---	---	<0,005	---	---	1	1	100%
Selénio (µg/L Se)	10	---	<2,5	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	13	0	100%	1	1	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	100%	1	1	100%
Tetracloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Tricloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	2,2	0	100%	1	1	100%
Clorofórmio (µg/L)	---	---	1,1	---	---	1	1	100%
Bromofórmio (µg/L)	---	---	0,5	---	---	1	1	100%
Bromodiclorometano (µg/L)	---	---	<0,5	---	---	1	1	100%
Dibromoclorometano (µg/L)	---	---	0,6	---	---	1	1	100%
Sódio (mg/L Na)	200	---	42	0	100%	1	1	100%
Sulfatos (mg/L SO ₄)	250	---	<10	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,08	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	1	1	100%
Beta total (Bq/l)	<0,10	---	<0,1	0	100%	1	1	100%
Dose Indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	77,4	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Diurão (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Ormetoato (µg/L)	0,10	---	<0,07	0	100%	1	1	100%
Bentazona	0,10	---	---	---	---	0	0	---
Clorpirifos	---	---	---	---	---	0	0	---
Imidaclopride	---	---	---	---	---	0	0	---
Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos								
						Data da publicação: 16/08/2018		

Resumo do Controlo Analítico da Qualidade da Água

Zona de abastecimento "Nogueira" - União de Freguesias de Raiva, Pedrido e Paraíso

2º Trimestre de 2018

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Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
<i>Escherichia coli</i> (N/100 ml)	0	---	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	0,8	0,9	---	---	2	2	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	<0,05	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	0	---	---	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	0	---	---	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	67	0	100%	1	1	100%
Cor (mg/L PtCo)	20	---	<3	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	---	6,9	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	<0,5	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	5	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	<1	0	100%	1	1	100%
Chelro a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Turvação (NTU)	4	---	<1	0	100%	1	1	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	5	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	0	0	100%	1	1	100%
Ferro (µg/L Fe)	200	---	<60	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,1	0	100%	1	1	100%
Antimónio (µg/L Sb)	5,0	---	<1	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	<1	0	100%	1	1	100%
Benzeno (µg/L)	1,0	---	<0,26	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,01	0	100%	1	1	100%
Bromatos (µg/L BrO ₃)	10,0	---	<5	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	<0,2	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	22,4	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<1	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<20	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,027	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<1	0	100%	1	1	100%
1-2 Diclroetano (µg/L)	3,0	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO ₃)	---	---	27,1	---	---	1	1	100%
Enterococos (N/100 ml)	0	---	0	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	<0,2	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	1,78	---	---	1	1	100%
Mercurio (µg/L Hg)	1,0	---	0,034	0	100%	1	1	100%
Níquel (µg/L Ni)	20	---	<2	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,005	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,005	0	100%	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,005	---	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,005	---	---	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	---	---	<0,005	---	---	1	1	100%
Selénio (µg/L Se)	10	---	<1	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	<10	0	100%	1	1	100%
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	<0,5	0	100%	1	1	100%
Tetracloroeteno (µg/L)	---	---	<0,5	---	---	1	1	100%
Tricloroeteno (µg/L)	---	---	<0,5	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	<0,08	0	100%	1	1	100%
Clorofórmio (µg/L)	---	---	<0,4	---	---	1	1	100%
Bromofórmio (µg/L)	---	---	<0,5	---	---	1	1	100%
Bromodiclroretano (µg/L)	---	---	<0,5	---	---	1	1	100%
Dibromoclroretano (µg/L)	---	---	<0,5	---	---	1	1	100%
Sódio (mg/L Na)	200	---	5,99	0	100%	1	1	100%
Sulfatos (mg/L SO ₄)	250	---	<10	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,08	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	1	1	100%
Beta total (Bq/l)	<0,10	---	<0,1	0	100%	1	1	100%
Dose indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	79,9	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Desetilclrobutilazina (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Diurão (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
MCPA (µg/L)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	---	<0,08	0	100%	1	1	100%
Ometoato (µg/L)	0,10	---	<0,07	0	100%	1	1	100%
Bentazona	0,10	---	---	---	---	---	---	---
Clorpirifos	---	---	---	---	---	---	---	---
Imidaclopride	---	---	---	---	---	---	---	---

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

Data da publicação: 16/08/2018

Resumo do Controlo Analítico da Qualidade da Água

Zona de abastecimento "Pró-Água" - União de Freguesias de Raiva, Pedrido e Paraíso

2º Trimestre de 2018

J

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL 306/2007	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Controlo Rotina 1								
<i>Escherichia coli</i> (N/100 ml)	0	---	0	0	100%	2	2	100%
Bactérias coliformes (N/100 ml)	0	---	0	0	100%	2	2	100%
Desinfetante residual (mg/L)	---	0,7	0,9	---	---	2	2	100%
Controlo Rotina 2								
Amónio (mg/L NH ₄)	0,50	---	<0,05	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	---	0	---	---	1	1	100%
Número de colónias a 37 °C (N/ml)	Sem alteração anormal	---	0	---	---	1	1	100%
Condutividade (µS/cm a 20°C)	2500	---	125	0	100%	1	1	100%
Cor (mg/L PtCo)	20	---	3,4	0	100%	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9	---	7	0	100%	1	1	100%
Manganês (µg/L Mn)	50	---	0,003	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	---	6	0	100%	1	1	100%
Oxidabilidade (mg/L O ₂)	5	---	2,3	0	100%	1	1	100%
Cheiro a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Sabor a 25°C (Factor de diluição)	3	---	<1	0	100%	1	1	100%
Turvação (NTU)	4	---	3	0	100%	1	1	100%
Controlo de Inspeção								
Alumínio (µg/L Al)	200	---	108	0	100%	1	1	100%
<i>Clostridium perfringens</i> (N/100ml)	0	---	0	0	100%	1	1	100%
Ferro (µg/L Fe)	200	---	<60	0	100%	1	1	100%
Nitritos (mg/L NO ₂)	0,5	---	<0,10	0	100%	1	1	100%
Antimónio (µg/L Sb)	5,0	---	<1	0	100%	1	1	100%
Arsénio (µg/L As)	10	---	<1	0	100%	1	1	100%
Benzeno (µg/L)	1,0	---	<0,26	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	---	<0,005	0	100%	1	1	100%
Boro (mg/L B)	1,0	---	<0,01	0	100%	1	1	100%
Bromatos (µg/L BrO ₃)	10,0	---	<5	0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	---	<0,2	0	100%	1	1	100%
Cálcio (mg/L Ca)	---	---	12,9	---	---	1	1	100%
Chumbo (µg/L Pb)	10	---	<1	0	100%	1	1	100%
Cianetos (µg/L CN)	50	---	<20	0	100%	1	1	100%
Cobre (mg/L Cu)	2,0	---	0,013	0	100%	1	1	100%
Crómio (µg/L Cr)	50	---	<1	0	100%	1	1	100%
1-2 Dicloroetano (µg/L)	3,0	---	<0,25	0	100%	1	1	100%
Dureza total (mg/L CaCO ₃)	---	---	52	---	---	1	1	100%
Enterococos (N/100 mL)	0	---	0	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	---	<0,2	0	100%	1	1	100%
Magnésio (mg/L Mg)	---	---	3,24	0	---	1	1	100%
Mercurio (µg/L Hg)	1,0	---	<0,01	0	100%	1	1	100%
Níquel (µg/L Ni)	20	---	0,002	0	100%	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos- HAP (µg/L):	0,10	---	<0,005	0	100%	1	1	100%
Benzo(b)fluoranteno (µg/L)	---	---	<0,005	0	100%	1	1	100%
Benzo(k)fluoranteno (µg/L)	---	---	<0,005	---	---	1	1	100%
Benzo(ghi)perileno (µg/L)	---	---	<0,005	---	---	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	---	---	<0,005	---	---	1	1	100%
Selénio (µg/L Se)	10	---	<1	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	---	<10	0	100%	1	1	100%
Tetracloroetano e Tricloroetano (µg/L):	10	---	<0,5	0	100%	1	1	100%
Tetracloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Tricloroetano (µg/L)	---	---	<0,5	---	---	1	1	100%
Trihalometanos - total (µg/L):	100	---	67	0	100%	1	1	100%
Clorofórmio (µg/L)	---	---	55	---	---	1	1	100%
Bromofórmio (µg/L)	---	---	<0,5	---	---	1	1	100%
Bromodiclorometano (µg/L)	---	---	10	---	---	1	1	100%
Dibromoclorometano (µg/L)	---	---	2,2	---	---	1	1	100%
Sódio (mg/L Na)	200	---	8,65	0	100%	1	1	100%
Sulfatos (mg/L SO ₄)	250	---	<10	0	100%	1	1	100%
Pesticidas - total (µg/L):	0,5	---	<0,10	0	100%	1	1	100%
Alfa total (Bq/l)	<0,05	---	<0,04	0	100%	1	1	100%
Beta total (Bq/l)	<0,10	---	<0,1	0	100%	1	1	100%
Dose Indicativa (mSv/ano)	<0,10	---	<0,1	0	100%	1	1	100%
Radão (Bq/l)	500	---	<10	0	100%	1	1	100%
Alacloro (µg/L)	0,10	---	---	---	---	---	---	---
Desetilbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Diurão (µg/L)	0,10	---	---	---	---	---	---	---
MCPA (µg/L)	0,10	---	<0,05	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L)	0,10	---	---	---	---	---	---	---
Bentazona	0,10	---	<0,05	0	100%	1	1	100%
Clorpirifos	---	---	<0,05	0	100%	1	1	100%
Imidaclopride	---	---	<0,05	0	100%	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas correctivas): não existiram incumprimentos

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