



# EDITAL

**Paulo Manuel Robalo da Silva Ferreira, Presidente do Município de Oliveira de Frades:** .....

**PUBLICITA**, no estrito cumprimento do artigo 17.º do decreto-lei n.º306/2007, de 27 de Agosto, o **relatório da qualidade da água de consumo humano**, efetuado de acordo com o Plano de Controlo da Qualidade da Água, que mereceu a aprovação pela entidade competente – Entidade Reguladora dos Serviços de Águas e Resíduos – ERSAR, referente ao **quarto trimestre de 2018**.

*O documento é parte integrante do presente edital, constituído por 40 páginas.*

Oliveira de Frades, 14 de março de 2019

O Presidente da Câmara,

(Paulo Manuel Robalo da Silva Ferreira)



## Compilação dos parâmetros pesquisados durante o 4º trimestre de 2018 no Município de Oliveira de Frades

Parâmetro (unidades)	Valor Paramétrico (VP) fixado no DL N.º152/2017	Valores Obtidos		N.º Análises Superiores ao V.P	% Cumprimento do VP	N. Análises		% Análises Realizadas
		Mínimo	Máximo			Agendas	Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	55	55	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	55	55	100%
Desinfetante residual (mg Cl2/L)	—	0,09	0,91	—	—	53	53	100%
Alumínio (µg Al/L)	200	<20	130	0	100%	7	7	100%
Amónio (mg NH4/L)	0,5	<0,050	<0,050	0	100%	10	10	100%
N.ºColónias 22°C (N/ml a 22°C)	Sem alter. anormal	N.D.	211	—	—	10	10	100%
N.ºColónias 36°C (N/ml a 36°C)	Sem alter. anormal	N.D.	281	—	—	10	10	100%
Condutividade (µS/cm, a 20 °C)	2500	70,6	161	0	100%	10	10	100%
Clostridium Perfringens (N/100ml)	0	0	0	0	100%	7	7	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	10	10	100%
pH (E. Sorensen)	6,5 - 9,5	5,3	7,4	2	80%	10	10	100%
Ferro (µg Fe/L)	200	<10	32	0	100%	4	4	100%
Manganês (µg Mn/L)	50	<10	34	0	100%	10	10	100%
Nitrato (mg NO3/L)	50	<1,0	22	0	100%	10	10	100%
Nitrito (mg NO2/L)	0,50	<0,020	<0,020	0	100%	4	4	100%
Oxidabilidade (mg O2/L)	5,0	<2,0	2,5	0	100%	10	10	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	10	10	100%
Sabor, a 25 °C (Fator de diluição)	3	<1	<1	0	100%	10	10	100%
Turvação (UNT)	4	<0,3	0,3	0	100%	10	10	100%
Antimónio (µg Sb/L)	5,0	<2	<2	0	100%	4	4	100%
Arsénio (µg As/L)	10	<1	<1	0	100%	4	4	100%
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	4	4	100%
Benzo(a)pireno (µg/L)	0,010	<0,002	<0,002	0	100%	4	4	100%
Boro (mg B/L)	1,0	<0,10	<0,10	0	100%	4	4	100%
Bromato (µg BrO3/L)	10	<5	<5	0	100%	4	4	100%
Cádmio (µg Cd/L)	5,0	<1,0	<1,0	0	100%	4	4	100%
Cálcio (mg Ca/L)	—	3,8	34	—	—	4	4	100%
Chumbo (µg Pb/L)	10	<3	6	0	100%	4	4	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	4	4	100%
Cobre (mg Cu/L)	2,0	<0,010	0,039	0	100%	4	4	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	4	4	100%
1,2-Dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	4	4	100%
Dureza Total (mg CaCO3/L)	—	21	98	—	—	4	4	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	4	4	100%
Fluoreto (mg F/L)	1,5	<0,050	0,05	0	100%	4	4	100%
Magnésio (mg Mg/L)	—	1,3	3	—	—	4	4	100%
Mercurio (µg Hg/L)	1,0	<0,30	<0,30	0	100%	4	4	100%
Níquel (µg Ni/L)	20	<5	<5	0	100%	4	4	100%
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	4	4	100%
Cloreto (mg Cl/L)	250	6,2	10	0	100%	4	4	100%
Sódio (mg Na/L)	200	5	8	0	100%	4	4	100%
Sulfato (mg SO4/L)	250	<5,0	<5,0	0	100%	4	4	100%
Carbono Orgânico Total (mg C/L)	Sem alteração anormal	-	-	-	—	0	0	N.A
Tetracloroetano e Tricloroetano (µg/L)	10	<0,30	<0,30	0	100%	4	4	—
Tetracloroetano (µg/L)	—	<0,20	<0,20	—	—	4	4	100%
Tricloroetano (µg/L)	—	<0,10	<0,10	—	—	4	4	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100%	4	4	—
Benzo(b)fluoranteno (µg/L)	—	<0,005	<0,005	—	—	4	4	100%
Benzo(k)fluoranteno (µg/L)	—	<0,002	<0,002	—	—	4	4	100%
Benzo(ghi)perileno (µg/L)	—	<0,004	<0,004	—	—	4	4	100%
Índeno(1,2,3-cd)pireno (µg/L)	—	<0,004	<0,004	—	—	4	4	100%
Trihalometanos - total (µg/L)	100	3,76	54,4	0	100%	4	4	—
Clorofórmio (µg/L)	—	1,24	35,6	—	—	4	4	100%
Bromofórmio (µg/L)	—	0,24	0,76	—	—	4	4	100%
Bromodiorometano (µg/L)	—	0,65	14,5	—	—	4	4	100%
Dibromoclorometano (µg/L)	—	0,72	4,05	—	—	4	4	100%
Dose indicativa (mSv/ano)	0,10	<0,10	<0,10	0	100%	4	4	100%
Alfa-total (Bq/L)	0,10 (Nível de Verificação)	<0,04	0,16	—	—	4	4	—
Beta-Total (Bq/L)	1,0 (Nível de Verificação)	<0,10	<0,10	—	—	4	4	—
Radão (Bq/L)	500	<10,0	<10,0	0	100%	4	4	100%
Pesticidas Totais (µg/L)	0,50	<0,014 (Maior LQ)	<0,014 (Maior LQ)	0	100%	2	2	100%
Alacloro (µg/L)	0,10	<0,014	<0,014	0	100%	2	2	100%
Desetilterbutilazina (µg/L)	0,10	<0,014	<0,014	0	100%	2	2	100%
Diurão (µg/L)	0,10	<0,014	<0,014	0	100%	2	2	100%
Terbutilazina (µg/L)	0,10	<0,014	<0,014	0	100%	2	2	100%

### Notas:

N. D. - Não Detectado.

N.A. - Não aplicável. Parâmetro não determinado durante este trimestre.

L.Q. - Limite de Quantificação



Resumo dos parâmetros pesquisados na zona de abastecimento: Benfeitas							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0,17	0,73	—	—	2	2	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH <sub>4</sub> /L)	0,50	<0,050	<0,050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	103	103	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,6	6,6	0	100%	1	1	100%
Ferro (µg Fe/L)	200	23	23	0	100%	1	1	100%
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO <sub>3</sub> /L)	50	<1,0	<1,0	0	100%	1	1	100%
Nitrito (mg NO <sub>2</sub> /L)	0,50	<0,020	<0,020	0	100%	1	1	100%
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	2,1	2,1	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Antimónio (µg Sb/L)	5,0	<2	<2	0	100%	1	1	100%
Arsénio (µg As/L)	10	<1	<1	0	100%	1	1	100%
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	<0,002	<0,002	0	100%	1	1	100%
Boro (mg B/L)	1,0	<0,10	<0,10	0	100%	1	1	100%
Bromato (µg BrO <sub>3</sub> /L)	10	<5	<5	0	100%	1	1	100%
Cádmio (µg Cd/L)	5,0	<1,0	<1,0	0	100%	1	1	100%
Cálcio (mg Ca/L)	—	16	16	—	—	1	1	100%
Chumbo (µg Pb/L)	10	<3	<3	0	100%	1	1	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cobre (mg Cu/L)	2,0	<0,010	<0,010	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	1	1	100%
Dureza Total (mg CaCO <sub>3</sub> /L)	—	46	46	—	—	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	<0,050	<0,050	0	100%	1	1	100%
Magnésio (mg Mg/L)	—	1,3	1,3	—	—	1	1	100%
Mercurio (µg Hg/L)	1,0	<0,30	<0,30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	<5	<5	0	100%	1	1	100%
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	1	1	100%
Cloroeto (mg Cl/L)	250	6,2	6,2	0	100%	1	1	100%
Sódio (mg Na/L)	200	5,0	5,0	0	100%	1	1	100%
Sulfato (mg SO <sub>4</sub> /L)	250	<5,0	<5,0	0	100%	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	<0,30	<0,30	0	100%	1	1	100%
Tetracloreto (µg/L)	—	<0,20	<0,20	—	—	1	1	100%
Tricloreto (µg/L)	—	<0,10	<0,10	—	—	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior L.Q.)	<0,005 (Maior L.Q.)	0	100%	1	1	—
Benzo(b)fluoranteno (µg/L)	—	<0,005	<0,005	—	—	1	1	100%
Benzo(k)fluoranteno (µg/L)	—	<0,002	<0,002	—	—	1	1	100%
Benzo(ghi)perileno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Trihalometanos Totais (µg/L)	100	54,4	54,4	0	100%	1	1	—
Clorofórmio (µg/L)	—	35,6	35,6	—	—	1	1	100%
Bromotormio (µg/L)	—	0,24	0,24	—	—	1	1	100%
Bromodiorometano (µg/L)	—	14,5	14,5	—	—	1	1	100%
Dibromodiorometano (µg/L)	—	4,05	4,05	—	—	1	1	100%
Dose Indicativa (mSv/ano)	0,10	<0,10	<0,10	0	100%	1	1	100%
Alfa-total (Bq/L)	0,10 (Nível de verificação)	0,16	0,16	0	—	1	1	—
Beta-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	0	—	1	1	—
Radão (Bq/L)	500	<10,0	<10,0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Bezerreira - Varzielas							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganés (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nítrito (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercurio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	0	0	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	0	0	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	0	0	—
Cloroformo (µg/L)	—	—	—	—	—	0	0	—
Bromoformo (µg/L)	—	—	—	—	—	0	0	—
Bromodiorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Afa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
β-Total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Bispeira							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl2/L)	---	0,43	0,48	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsenio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSivano)	0,10	---	---	---	---	0	0	---
Ativa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Borralhais - Arcozelo das Maia							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%	
Desinfectante residual (mg Cl2/L)	---	0,13	0,13	---	---	1	1	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	26,5 e 28,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsénio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---	
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---	
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
Beta-total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Caselho - Destriz							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%	
Desinfecante residual (mg Cl <sub>2</sub> /L)	---	0,21	0,26	---	---	2	2	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH <sub>4</sub> /L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	≥6,5 e ≤8,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO <sub>3</sub> /L)	50	---	---	---	---	0	0	---	
Nítrito (mg NO <sub>2</sub> /L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Aradónio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsenio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO <sub>3</sub> /L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO <sub>3</sub> /L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO <sub>4</sub> /L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---	
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---	
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
Beta-total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Covelinho - S. João da Serra							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%	
Desinfectante residual (mg Cl2/L)	---	0,18	0,22	---	---	2	2	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---	
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsénio (µg As/L)	10	---	---	---	---	0	0	---	
Benzano (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---	
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---	
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Cloroformio (µg/L)	---	---	---	---	---	0	0	---	
Bromoformio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Afa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
B-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Covelo de Arca							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl2/L)	---	0,31	0,31	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 99,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrio (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzano (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Afa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L. Q. - Limite de Quantificação

N.D.\_Não Delectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Nascente Cunhêdo - Oliveira d							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl2/L)	---	0,15	0,15	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Choro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cianeto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Destriz							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%	
Desinfecante residual (mg Cl <sub>2</sub> /L)	---	0,43	0,58	---	---	2	2	100%	
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%	
Amónio (mg NH <sub>4</sub> /L)	0,50	<0,050	<0,050	0	100%	1	1	100%	
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	211	211	---	---	1	1	100%	
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	281	281	---	---	1	1	100%	
Condutividade (µS/cm, a 20 °C)	2500	161	161	0	100%	1	1	100%	
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%	
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%	
pH (E. Sorensen)	≥6,5 e ≤9,5	7,1	7,1	0	100%	1	1	100%	
Ferro (µg Fe/L)	200	<10	<10	0	100%	1	1	100%	
Manganês (µg Mn/L)	50	18	18	0	100%	1	1	100%	
Nitrato (mg NO <sub>3</sub> /L)	50	<1,0	<1,0	0	100%	1	1	100%	
Nitrito (mg NO <sub>2</sub> /L)	0,50	<0,020	<0,020	0	100%	1	1	100%	
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	<2,0	<2,0	0	100%	1	1	100%	
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%	
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%	
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%	
Antimónio (µg Sb/L)	5,0	<2	<2	0	100%	1	1	100%	
Arsénio (µg As/L)	10	<1	<1	0	100%	1	1	100%	
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	1	1	100%	
Benzo(a)pireno (µg/L)	0,010	<0,002	<0,002	0	100%	1	1	100%	
Boro (mg B/L)	1,0	<0,10	<0,10	0	100%	1	1	100%	
Bromato (µg BrO <sub>3</sub> /L)	10	<5	<5	0	100%	1	1	100%	
Cádmio (µg Cd/L)	5,0	<1,0	<1,0	0	100%	1	1	100%	
Cálcio (mg Ca/L)	---	34	34	---	---	1	1	100%	
Chumbo (µg Pb/L)	10	<3	<3	0	100%	1	1	100%	
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%	
Cobre (mg Cu/L)	2,0	<0,010	<0,010	0	100%	1	1	100%	
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%	
1,2-Dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	1	1	100%	
Dureza Total (mg CaCO <sub>3</sub> /L)	---	98	98	---	---	1	1	100%	
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%	
Fluoreto (mg F/L)	1,5	<0,050	<0,050	0	100%	1	1	100%	
Magnésio (mg Mg/L)	---	3,0	3,0	---	---	1	1	100%	
Mercúrio (µg Hg/L)	1,0	<0,30	<0,30	0	100%	1	1	100%	
Níquel (µg Ni/L)	20	<5	<5	0	100%	1	1	100%	
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	1	1	100%	
Cloreto (mg Cl/L)	250	6,5	6,5	0	100%	1	1	100%	
Sódio (mg Na/L)	200	6,3	6,3	0	100%	1	1	100%	
Sulfato (mg SO <sub>4</sub> /L)	250	<5,0	<5,0	0	100%	1	1	100%	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloreto e Tricloreto (µg/L)	10	<0,30	<0,30	0	100%	1	1	100%	
Tetracloreto (µg/L)	---	<0,20	<0,20	---	---	1	1	100%	
Tricloreto (µg/L)	---	<0,10	<0,10	---	---	1	1	100%	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100%	1	1	---	
Benzo(b)fluoranteno (µg/L)	---	<0,005	<0,005	---	---	1	1	100%	
Benzo(k)fluoranteno (µg/L)	---	<0,002	<0,002	---	---	1	1	100%	
Benzo(ghi)perileno (µg/L)	---	<0,004	<0,004	---	---	1	1	100%	
Indeno(1,2,3-cd)pireno (µg/L)	---	<0,004	<0,004	---	---	1	1	100%	
Trihalometanos Totais (µg/L)	100	3,76	3,76	0	100%	1	1	---	
Cloroformo (µg/L)	---	1,63	1,63	---	---	1	1	100%	
Bromofórmio (µg/L)	---	0,76	0,76	---	---	1	1	100%	
Bromodiclorometano (µg/L)	---	0,65	0,65	---	---	1	1	100%	
Dibromodiclorometano (µg/L)	---	0,72	0,72	---	---	1	1	100%	
Dose Indicativa (mSv/ano)	0,10	<0,10	<0,10	0	100%	1	1	100%	
Alfa-total (Bq/L)	0,10 (Nível de verificação)	<0,04	<0,04	0	---	1	1	---	
Beta-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	0	---	1	1	---	
Radão (Bq/L)	500	<10,0	<10,0	0	100%	1	1	100%	
Pesticidas Totais (µg/L)	0,50	<0,014 (Maior LQ)	<0,014 (Maior LQ)	0	100%	1	1	100%	
Alacloro (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%	
Desetilterbutilazina (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%	
Diurão (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%	
Terbutilazina (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%	

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Espindelo - Ribeiradio							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%	
Desinfectante residual (mg Cl2/L)	---	0,18	0,18	---	---	1	1	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---	
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsenio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Caneto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---	
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---	
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSiviano)	0,10	---	---	---	---	0	0	---	
Afa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
B-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação  
 N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Ladário - Arcozelo das Maias							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfecante residual (mg Cl2/L)	---	0,36	0,36	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzano (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloro (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Lameiro Longo - Ribeiradio							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl2/L)	---	0,14	0,14	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloro (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (nivel verificação)	---	---	---	---	0	0	---
Beta-total (Bq/L)	1,0 (nivel verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Parada - Ribeiradio							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfecante residual (mg Cl2/L)	---	0,64	0,64	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/mi a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/mi a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

## Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Paranho de Arca							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfecante residual (mg Cl2/L)	—	0,76	0,83	—	—	2	2	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH4/L)	0,50	<0,050	<0,050	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	271	271	—	—	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	116	116	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6,5 e ≤9,5	7,4	7,4	0	100%	1	1	100%
Ferro (µg Fe/L)	200	11	11	0	100%	1	1	100%
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	1,1	1,1	0	100%	1	1	100%
Nitrito (mg NO2/L)	0,50	<0,020	<0,020	0	100%	1	1	100%
Oxidabilidade (mg O2/L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Antimónio (µg Sb/L)	5,0	<2	<2	0	100%	1	1	100%
Arsénio (µg As/L)	10	<1	<1	0	100%	1	1	100%
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	<0,002	<0,002	0	100%	1	1	100%
Boro (mg B/L)	1,0	<0,10	<0,10	0	100%	1	1	100%
Bromato (µg BrO3/L)	10	<5	<5	0	100%	1	1	100%
Cádmio (µg Cd/L)	5,0	<1,0	<1,0	0	100%	1	1	100%
Cálcio (mg Ca/L)	—	17	17	—	—	1	1	100%
Chumbo (µg Pb/L)	10	<3	<3	0	100%	1	1	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cobre (mg Cu/L)	2,0	<0,010	<0,010	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	1	1	100%
Dureza Total (mg CaCO3/L)	—	47	47	—	—	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	<0,050	<0,050	0	100%	1	1	100%
Magnésio (mg Mg/L)	—	1,3	1,3	—	—	1	1	100%
Mercurio (µg Hg/L)	1,0	<0,30	<0,30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	<5	<5	0	100%	1	1	100%
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	8,0	8,0	0	100%	1	1	100%
Sódio (mg Na/L)	200	6,4	6,4	0	100%	1	1	100%
Sulfato (mg SO4/L)	250	<5,0	<5,0	0	100%	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	<0,30	<0,30	0	100%	1	1	100%
Tetracloroetano (µg/L)	—	<0,20	<0,20	—	—	1	1	100%
Tricloroetano (µg/L)	—	<0,10	<0,10	—	—	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100%	1	1	—
Benzo(b)fluoranteno (µg/L)	—	<0,005	<0,005	—	—	1	1	100%
Benzo(k)fluoranteno (µg/L)	—	<0,002	<0,002	—	—	1	1	100%
Benzo(ghi)perileno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Trihalometanos Totais (µg/L)	100	3,88	3,88	0	100%	1	1	—
Cloroformio (µg/L)	—	1,24	1,24	—	—	1	1	100%
Bromofórmio (µg/L)	—	0,24	0,24	—	—	1	1	100%
Bromodiclorometano (µg/L)	—	1,18	1,18	—	—	1	1	100%
Dibromoclorometano (µg/L)	—	1,22	1,22	—	—	1	1	100%
Dose Indicativa (mSv/ano)	0,10	<0,10	<0,10	0	100%	1	1	100%
Alfa-total (Bq/L)	0,10 (Nível de verificação)	<0,04	<0,04	0	—	1	1	—
Beta-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	0	—	1	1	—
Radão (Bq/L)	500	<10,0	<10,0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_ Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Paredes - Ribeiradio							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%	
Desinfecante residual (mg Cl2/L)	---	0,72	0,72	---	---	1	1	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (Nimf a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (Nimf a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	26,5 e 39,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---	
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxalabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsénio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---	
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---	
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromoformio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Passos - Ribeiradio							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfecante residual (mg Cl <sub>2</sub> /L)	—	0,34	0,34	—	—	1	1	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH <sub>4</sub> /L)	0,50	—	—	—	—	0	0	—
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anomal	—	—	—	—	0	0	—
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anomal	—	—	—	—	0	0	—
Condutividade (µS/cm, a 20 °C)	2500	—	—	—	—	0	0	—
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	—	—	—	—	0	0	—
pH (E. Sorensen)	≥6,5 e ≤9,5	—	—	—	—	0	0	—
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganés (µg Mn/L)	50	—	—	—	—	0	0	—
Nitrato (mg NO <sub>3</sub> /L)	50	—	—	—	—	0	0	—
Nitró (mg NO <sub>2</sub> /L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	—	—	—	—	0	0	—
Cheiro, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Sabor, a 25°C (Fator de diluição)	3	—	—	—	—	0	0	—
Turvação (UNT)	4	—	—	—	—	0	0	—
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Boro (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO <sub>3</sub> /L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO <sub>3</sub> /L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloro (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO <sub>4</sub> /L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anomal	—	—	—	—	0	0	—
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloroetano (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromoformio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

## Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Pinheiro de Lafões							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coll (N/100ml)	0	0	0	0	100%	3	3	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	3	3	100%
Desinfecante residual (mg Cl2/L)	---	0,21	0,43	---	---	3	3	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	<0,050	<0,050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	---	---	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	---	---	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	113	113	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,6	6,6	0	100%	1	1	100%
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	7,7	7,7	0	100%	1	1	100%
Nitro (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Quintela - Arcozelo das Maias							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	---	0,28	0,28	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 49,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromocloroformio (µg/L)	---	---	---	---	---	0	0	---
Bromodiodocloroformio (µg/L)	---	---	---	---	---	0	0	---
Dibromodiodocloroformio (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/dia)	0,10	---	---	---	---	0	0	---
Afa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
S-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Ribeiradio							4º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	3	3	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	3	3	100%	
Desinfecante residual (mg Cl2/L)	---	0,31	0,76	---	---	3	3	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amônio (mg NH4/L)	0,50	<0,050	<0,050	0	100%	1	1	100%	
N.º Colônias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	---	---	1	1	100%	
N.º Colônias 36°C (N/ml a 36°C)	s/ alter. anormal	11	11	---	---	1	1	100%	
Condutividade (µS/cm, a 20 °C)	2500	122	122	0	100%	1	1	100%	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%	
pH (E. Sorensen)	≥6,5 e ≤9,5	6,6	6,6	0	100%	1	1	100%	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%	
Nitrato (mg NO3/L)	50	14	14	0	100%	1	1	100%	
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O2/L)	5,0	<2,0	<2,0	0	100%	1	1	100%	
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%	
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%	
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%	
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsenio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crômio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selênio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---	
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---	
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Índeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromoformio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/dia)	0,10	---	---	---	---	0	0	---	
Afa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
B-Totais (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: S. João da Serra							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfectante residual (mg Cl2/L)	---	0,53	0,53	---	---	2	2	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(g,h,i)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (valor verificação)	---	---	---	---	0	0	---
Beta-total (Bq/L)	1,0 (valor verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Sequeiró							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%	
Desinfetante residual (mg Cl2/L)	---	0,28	0,67	---	---	2	2	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---	
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsénio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Merúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Clareto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---	
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---	
Tricloreto (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radio (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Silvares - Destriz							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%	
Desinfectante residual (mg Cl2/L)	---	0,09	0,12	---	---	2	2	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsénio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---	
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---	
Tricloreto (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Cloroformo (µg/L)	---	---	---	---	---	0	0	---	
Bromoformo (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
Beta-total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

## Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Soma - Ribeirão							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfecante residual (mg Cl2/L)	---	0,20	0,20	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloro (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromolómio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (nível verificação)	---	---	---	---	0	0	---
Beta-total (Bq/L)	1,0 (nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

## Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Soutinho - Arcozelo das Maias							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	---	0,43	0,43	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Afa-total (Bq/L)	0,10 (nivel verificação)	---	---	---	---	0	0	---
β-Total (Bq/L)	1,0 (nivel verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

## Notas:

L.Q. - Limite de Quantificação

N.D. \_ Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Souto Maior - Ribeiradio							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfetante residual (mg Cl2/L)	---	0,14	0,14	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 29,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nítrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Merúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---
Tricloreto (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---
Afa-total (Bq/L)	0,10 (valor verificação)	---	---	---	---	0	0	---
Beta-total (Bq/L)	1,0 (valor verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

## Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Várzea - Reigoso							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%	
Desinfecante residual (mg Cl2/L)	---	0,11	0,11	---	---	1	1	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---	
Nítrio (mg NO2/L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsénio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---	
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---	
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromoclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
Beta-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_ Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Varzielas							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%
Desinfetante residual (mg Cl <sub>2</sub> /L)	—	0,84	0,91	—	—	2	2	100%
Alumínio (µg Al/L)	200	130	130	0	100%	1	1	100%
Amónio (mg NH <sub>4</sub> /L)	0,50	<0,050	<0,050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	179	179	—	—	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	98	98	—	—	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	97,9	97,9	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	≥6,5 e ≤9,5	5,9	5,9	1	0%	1	1	100%
Ferro (µg Fe/L)	200	32	32	0	100%	1	1	100%
Manganês (µg Mn/L)	50	34	34	0	100%	1	1	100%
Nitrato (mg NO <sub>3</sub> /L)	50	22	22	0	100%	1	1	100%
Nitrito (mg NO <sub>2</sub> /L)	0,50	<0,020	<0,020	0	100%	1	1	100%
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Antimónio (µg Sb/L)	5,0	<2	<2	0	100%	1	1	100%
Arsénio (µg As/L)	10	<1	<1	0	100%	1	1	100%
Benzeno (µg/L)	1,0	<0,20	<0,20	0	100%	1	1	100%
Benzo(a)pireno (µg/L)	0,010	<0,002	<0,002	0	100%	1	1	100%
Boro (mg B/L)	1,0	<0,10	<0,10	0	100%	1	1	100%
Bromato (µg BrO <sub>3</sub> /L)	10	<5	<5	0	100%	1	1	100%
Cádmio (µg Cd/L)	5,0	<1,0	<1,0	0	100%	1	1	100%
Cálcio (mg Ca/L)	—	3,8	3,8	—	—	1	1	100%
Chumbo (µg Pb/L)	10	6	6	0	100%	1	1	100%
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cobre (mg Cu/L)	2,0	0,039	0,039	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3,0	<0,750	<0,750	0	100%	1	1	100%
Dureza Total (mg CaCO <sub>3</sub> /L)	—	21	21	—	—	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	0,050	0,050	0	100%	1	1	100%
Magnésio (mg Mg/L)	—	2,8	2,8	—	—	1	1	100%
Mercúrio (µg Hg/L)	1,0	<0,30	<0,30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	<5	<5	0	100%	1	1	100%
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	10	10	0	100%	1	1	100%
Sódio (mg Na/L)	200	8,0	8,0	0	100%	1	1	100%
Sulfato (mg SO <sub>4</sub> /L)	250	<5,0	<5,0	0	100%	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloreto (µg/L)	10	<0,30	<0,30	0	100%	1	1	100%
Tetracloreto (µg/L)	—	<0,20	<0,20	—	—	1	1	100%
Tricloreto (µg/L)	—	<0,10	<0,10	—	—	1	1	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100%	1	1	—
Benzo(b)fluoranteno (µg/L)	—	<0,005	<0,005	—	—	1	1	100%
Benzo(k)fluoranteno (µg/L)	—	<0,002	<0,002	—	—	1	1	100%
Benzo(ghi)perileno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Indeno(1,2,3-cd)pireno (µg/L)	—	<0,004	<0,004	—	—	1	1	100%
Trihalometanos Totais (µg/L)	100	16,5	16,5	0	100%	1	1	—
Clorofórmio (µg/L)	—	7,65	7,65	—	—	1	1	100%
Bromofórmio (µg/L)	—	0,30	0,30	—	—	1	1	100%
Bromodiclorometano (µg/L)	—	5,14	5,14	—	—	1	1	100%
Dibromodiclorometano (µg/L)	—	3,37	3,37	—	—	1	1	100%
Dose Indicativa (mSv/ano)	0,10	<0,10	<0,10	0	100%	1	1	100%
Alfa-total (Bq/L)	0,10 (Nível de verificação)	<0,04	<0,04	0	—	1	1	—
Beta-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	0	—	1	1	—
Radão (Bq/L)	500	<10,0	<10,0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0,50	<0,014 (Maior LQ)	<0,014 (Maior LQ)	0	100%	1	1	100%
Alacloro (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%
Desetilclorbutilazina (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%
Diurão (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%
Terbutilazina (µg/L)	0,10	<0,014	<0,014	0	100%	1	1	100%
ZA PE	Data Coleta	Parâmetro	Causas Incumprimento		Análises Verificação (A.V.)	Medidas tomadas ou a implementar		
Varzielas	22-10-2018	pH	* Características naturais (hidrogeológicas) de origem de água		—	* Não foram tomadas medidas por não haver risco para a saúde (parecer de AS ou por ausência de parecer)		

\* Informação presente no portal da Entidade Reguladora ERSAR

**Notas:**

L.Q. - Limite de Quantificação

N.D. Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Alagoa - Ribeiradio							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	1	1	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	1	1	100%
Desinfectante residual (mg Cl2/L)	---	0,51	0,51	---	---	1	1	100%
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
pH (E. Sorensen)	26,5 e 99,5	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO2/L)	0,50	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	---	---	---	---	0	0	---
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---
Boro (mg B/L)	1,0	---	---	---	---	0	0	---
Bromato (µg BrO3/L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---
Dureza Total (mg CaCO3/L)	---	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Mercurio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---
Indeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---
Dose Indicativa (mSv/dia)	0,10	---	---	---	---	0	0	---
Alfa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---
Beta-total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---

**Notas:**

L.Q. - Limite de Quantificação

N.D. - Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Arcozeiro das Maias							4.º TRIMESTRE 2018 01 outubro a 31 dezembro	
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas
Escherichia Coli (N/100ml)	0	0	0	0	100%	3	3	100%
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	3	3	100%
Desinfectante residual (mg Cl2/L)	—	0,23	0,69	—	—	3	3	100%
Alumínio (µg Al/L)	200	—	—	—	—	0	0	—
Amónio (mg NH4/L)	0,50	<0,050	<0,050	0	100%	1	1	100%
N.ºColónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
N.ºColónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	—	—	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	127	127	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	—	—	—	—	0	0	—
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
pH (E. Sorensen)	26,5 e 9,5	6,6	6,6	0	100%	1	1	100%
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	15	15	0	100%	1	1	100%
Nitrito (mg NO2/L)	0,50	—	—	—	—	0	0	—
Oxidabilidade (mg O2/L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Antimônio (µg Sb/L)	5,0	—	—	—	—	0	0	—
Arsénio (µg As/L)	10	—	—	—	—	0	0	—
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—
Bero (mg B/L)	1,0	—	—	—	—	0	0	—
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—
Mercúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—
Selénio (µg Se/L)	10	—	—	—	—	0	0	—
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—
Sódio (mg Na/L)	200	—	—	—	—	0	0	—
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—
Soma de Tetracloreto e Tricloroetano (µg/L)	10	—	—	—	—	—	—	—
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—
Tricloroetano (µg/L)	—	—	—	—	—	0	0	—
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—
Indeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—
Alfa-total (Bq/L)	0,10 (Nível verificação)	—	—	—	—	0	0	—
Beta-total (Bq/L)	1,0 (Nível verificação)	—	—	—	—	0	0	—
Radão (Bq/L)	500	—	—	—	—	0	0	—
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Areal - Arca							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P.	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	2	2	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	2	2	100%	
Desinfectante residual (mg Cl <sub>2</sub> /L)	---	0,14	0,16	---	---	2	2	100%	
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---	
Amónio (mg NH <sub>4</sub> /L)	0,50	---	---	---	---	0	0	---	
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	---	---	---	---	0	0	---	
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	---	---	---	---	0	0	---	
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---	
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---	
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---	
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---	
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---	
Manganés (µg Mn/L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO <sub>3</sub> /L)	50	---	---	---	---	0	0	---	
Nitrato (mg NO <sub>2</sub> /L)	0,50	---	---	---	---	0	0	---	
Oxidabilidade (mg O <sub>2</sub> /L)	5,0	---	---	---	---	0	0	---	
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---	
Turvação (UNT)	4	---	---	---	---	0	0	---	
Antimônio (µg Sb/L)	5,0	---	---	---	---	0	0	---	
Arsénio (µg As/L)	10	---	---	---	---	0	0	---	
Benzeno (µg/L)	1,0	---	---	---	---	0	0	---	
Benzo(a)pireno (µg/L)	0,010	---	---	---	---	0	0	---	
Boro (mg B/L)	1,0	---	---	---	---	0	0	---	
Bromato (µg BrO <sub>3</sub> /L)	10	---	---	---	---	0	0	---	
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---	
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---	
Chumbo (µg Pb/L)	25	---	---	---	---	0	0	---	
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---	
Cobre (mg Cu/L)	2,0	---	---	---	---	0	0	---	
Crómio (µg Cr/L)	50	---	---	---	---	0	0	---	
1,2-Dicloroetano (µg/L)	3,0	---	---	---	---	0	0	---	
Dureza Total (mg CaCO <sub>3</sub> /L)	---	---	---	---	---	0	0	---	
Enterococos fecais (N/100ml)	0	---	---	---	---	0	0	---	
Fluoreto (mg F/L)	1,5	---	---	---	---	0	0	---	
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---	
Merúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---	
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---	
Selénio (µg Se/L)	10	---	---	---	---	0	0	---	
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---	
Sódio (mg Na/L)	200	---	---	---	---	0	0	---	
Sulfato (mg SO <sub>4</sub> /L)	250	---	---	---	---	0	0	---	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---	
Soma de Tetracloreto e Tricloreto (µg/L)	10	---	---	---	---	---	---	---	
Tetracloreto (µg/L)	---	---	---	---	---	0	0	---	
Tricloreto (µg/L)	---	---	---	---	---	0	0	---	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	---	---	---	---	---	---	---	
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	0	0	---	
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	0	0	---	
Índeno(1,2,3-cd)pireno (µg/L)	---	---	---	---	---	0	0	---	
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---	
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---	
Bromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dibromodiclorometano (µg/L)	---	---	---	---	---	0	0	---	
Dose Indicativa (mSv/ano)	0,10	---	---	---	---	0	0	---	
Afa-total (Bq/L)	0,10 (Nível verificação)	---	---	---	---	0	0	---	
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---	
Radão (Bq/L)	500	---	---	---	---	0	0	---	
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---	

**Notas:**

L.Q. - Limite de Quantificação

N.D.\_Não Detectado



Resumo dos parâmetros pesquisados na zona de abastecimento: Barragem do Alfusqueiro							4.º TRIMESTRE 2018 01 outubro a 31 dezembro		
Parâmetro (unidades)	Valor Paramétrico (V.P.) fixado no DL n.º 152/17	Mínimo	Máximo	N.º Análises Superiores ao V.P	% Cumprimento do V.P.	N.º Análises Agendadas	N.º Análises Realizadas	% Análises Realizadas	
Escherichia Coli (N/100ml)	0	0	0	0	100%	6	6	100%	
Bactérias Coliformes (N/100ml)	0	0	0	0	100%	6	6	100%	
Desinfectante residual (mg Cl2/L)	—	0,26	0,77	—	—	6	6	100%	
Alumínio (µg Al/L)	200	<20	87	0	100%	3	3	100%	
Amónio (mg NH4/L)	0,50	<0,050	<0,050	0	100%	3	3	100%	
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	N.D.	N.D.	—	—	3	3	100%	
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	N.D.	N.D.	—	—	3	3	100%	
Condutividade (µS/cm, a 20 °C)	2500	70,8	106	0	100%	3	3	100%	
Clostridium perfringens (N/100ml)	0	0	0	0	100%	3	3	100%	
Cor (mg PtCo/L)	20	<5	<5	0	100%	3	3	100%	
pH (E. Sorensen)	≥6,5 e ≤9,5	5,3	7,2	1	67%	3	3	100%	
Ferro (µg Fe/L)	200	—	—	—	—	0	0	—	
Manganês (µg Mn/L)	50	<10	<10	0	100%	3	3	100%	
Nitrato (mg NO3/L)	50	<1,0	2,0	0	100%	3	3	100%	
Nitrito (mg NO2/L)	0,50	—	—	—	—	0	0	—	
Oxidabilidade (mg O2/L)	5,0	<2,0	2,5	0	100%	3	3	100%	
Cheiro, a 25°C (Fator de diluição)	3	<1	<1	0	100%	3	3	100%	
Sabor, a 25°C (Fator de diluição)	3	<1	<1	0	100%	3	3	100%	
Turvação (UNT)	4	0,3	0,3	0	100%	3	3	100%	
Antimónio (µg Sb/L)	5,0	—	—	—	—	0	0	—	
Arsénio (µg As/L)	10	—	—	—	—	0	0	—	
Benzeno (µg/L)	1,0	—	—	—	—	0	0	—	
Benzo(a)pireno (µg/L)	0,010	—	—	—	—	0	0	—	
Boro (mg B/L)	1,0	—	—	—	—	0	0	—	
Bromato (µg BrO3/L)	10	—	—	—	—	0	0	—	
Cádmio (µg Cd/L)	5,0	—	—	—	—	0	0	—	
Cálcio (mg Ca/L)	—	—	—	—	—	0	0	—	
Chumbo (µg Pb/L)	25	—	—	—	—	0	0	—	
Cianeto (µg CN/L)	50	—	—	—	—	0	0	—	
Cobre (mg Cu/L)	2,0	—	—	—	—	0	0	—	
Crómio (µg Cr/L)	50	—	—	—	—	0	0	—	
1,2-Dicloroetano (µg/L)	3,0	—	—	—	—	0	0	—	
Dureza Total (mg CaCO3/L)	—	—	—	—	—	0	0	—	
Enterococos fecais (N/100ml)	0	—	—	—	—	0	0	—	
Fluoreto (mg F/L)	1,5	—	—	—	—	0	0	—	
Magnésio (mg Mg/L)	—	—	—	—	—	0	0	—	
Mercúrio (µg Hg/L)	1,0	—	—	—	—	0	0	—	
Níquel (µg Ni/L)	20	—	—	—	—	0	0	—	
Selénio (µg Se/L)	10	—	—	—	—	0	0	—	
Cloreto (mg Cl/L)	250	—	—	—	—	0	0	—	
Sódio (mg Na/L)	200	—	—	—	—	0	0	—	
Sulfato (mg SO4/L)	250	—	—	—	—	0	0	—	
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	—	—	—	—	0	0	—	
Soma de Tetracloreto e Tricloreto (µg/L)	10	—	—	—	—	—	—	—	
Tetracloreto (µg/L)	—	—	—	—	—	0	0	—	
Tricloreto (µg/L)	—	—	—	—	—	0	0	—	
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	—	—	—	—	—	—	—	
Benzo(b)fluoranteno (µg/L)	—	—	—	—	—	0	0	—	
Benzo(k)fluoranteno (µg/L)	—	—	—	—	—	0	0	—	
Benzo(ghi)perileno (µg/L)	—	—	—	—	—	0	0	—	
Índeno(1,2,3-cd)pireno (µg/L)	—	—	—	—	—	0	0	—	
Trihalometanos Totais (µg/L)	100	—	—	—	—	—	—	—	
Clorofórmio (µg/L)	—	—	—	—	—	0	0	—	
Bromofórmio (µg/L)	—	—	—	—	—	0	0	—	
Bromodiclorometano (µg/L)	—	—	—	—	—	0	0	—	
Dibromoclorometano (µg/L)	—	—	—	—	—	0	0	—	
Dose Indicativa (mSv/ano)	0,10	—	—	—	—	0	0	—	
Alfa-total (Bq/L)	0,10 (nível verificação)	—	—	—	—	0	0	—	
Beta-Total (Bq/L)	1,0 (nível verificação)	—	—	—	—	0	0	—	
Radão (Bq/L)	500	—	—	—	—	0	0	—	
Pesticidas Totais (µg/L)	0,50	—	—	—	—	0	0	—	
ZA PE	Data Coheita	Parâmetro	Casas Incumprimento		Análises Verificação (A.V.)	Medidas tomadas ou a implementar			
Barragem do Alfusqueiro	19-11-2018	pH	Dosagem inadequada de reagente		17-12-2018	Correcção da dosagem de reagente no tratamento			

# Informação presente no portal da Entidade Reguladora ERSAR

**Notas:**L.Q. - Limite de Quantificação  
N.D. - Não Detectado