

Relatório Técnico_ Apresentação Trimestral

Entidade Gestora	Município de Celorico da Beira
Campanha de Controlo	1º Trimestre de 2019

1. INTRODUÇÃO

A qualidade da água fornecida aos seus consumidores é uma preocupação constante do Município de Celorico da Beira. Com o objetivo de assegurar o controlo da água distribuída aos seus Clientes são realizadas análises com o intuito de verificar o cumprimento dos requisitos de qualidade estabelecidos no Decreto-Lei n.º 152/2017 de 7 de Dezembro.

Esta legislação tem como premissa avaliar a qualidade da água na torneira do consumidor. Neste sentido foi elaborado um Plano de Controlo da Qualidade da Água, PCQA, para o ano de 2019, que mereceu a aprovação por parte da entidade competente – Entidade Reguladora dos Serviços de Águas e Resíduos - ERSAR.

O D. L. n.º 152/2017 no seu artigo n.º 17 refere que é obrigação da Entidade Gestora a publicação trimestral, dos resultados obtidos nas análises de demonstração de conformidade, acompanhados de elementos informativos que permitam avaliar o grau de cumprimento das normas de qualidade constante no anexo I, do referido D.L.

No presente documento, por cada zona de abastecimento e por cada parâmetro, são apresentados: O valor paramétrico; o valor mínimo e máximos obtidos; número de análises superiores ao V.P.; percentagem de análises que cumprem a legislação; número de análises agendadas e realizadas e a respetiva percentagem de análises realizadas.

Os documentos apresentados poderão ser usados para o referido fim, publicação trimestral.

É, também, enviada informação adicional, compilada, para a totalidade das zonas de abastecimento, apresentada em seguida.



Compilação dos parâmetros pesquisados durante o 1º trimestre de 2019 no Município de Celorico da Beira

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	Maximo			Agendas	Realizadas	
Escherichia Coli (N/100ml)	0	0	5	1	96%	27	27	100%
Bactérias Coliformes (N/100ml)	0	0	38	1	96%	27	27	100%
Desinfectante residual (mg Cl2/L)	---	<0,05	0,9	---	---	27	27	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%
pH (E. Sorensen)	6,5 - 9,5	5,9	7,7	3	70%	10	10	100%
Condutividade (µS/cm, a 20 °C)	2500	33,3	195	0	100%	10	10	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	10	10	100%
Turvação (UNT)	4	<0,3	0,4	0	100%	10	10	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	10	10	100%
N.º Colónias 22°C (N/ml a 22°C)	Sem alter. anormal	N.D.	221	---	---	10	10	100%
N.º Colónias 36°C (N/ml a 36°C)	Sem alter. anormal	N.D.	61	---	---	10	10	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	5	5	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	6	6	100%
Amónio (mg NH4/L)	0,5	<0,050	<0,050	0	100%	2	2	100%
Antimónio (µg Sb/L)	5,0	<2	<2	0	100%	2	2	100%
Arsénio (µg As/L)	10	1	7,27	0	100%	4	4	100%
Benzeno (µg/L)	1,0	<0,5	<0,5	0	100%	2	2	100%
Benzo(a)pireno (µg/L)	0,010	<0,002	<0,002	0	100%	2	2	100%
Boro (mg B/L)	1,0	<0,10	<0,10	0	100%	2	2	100%
Bromato (µg BrO3/L)	10	<5	<5	0	100%	2	2	100%
Cádmio (µg Cd/L)	5,0	<1,0	<1,0	0	100%	2	2	100%
Cálcio (mg Ca/L)	---	1,3	2,2	---	---	2	2	100%
Carbono Orgânico Total (mg C/L)	Sem alteração anormal	-	-	-	---	0	0	N.A
Cianeto (µg CN/L)	50	<10	<10	0	100%	2	2	100%
Cloro (mg Cl/L)	250	<4,0	4,5	0	100%	2	2	100%
Clorito (mg ClO2/L)	0,7	-	-	-	-	0	0	N.A
Clorato (mg ClO3/L)	0,7	-	-	-	-	0	0	N.A
Chumbo (µg Pb/L)	10	5	6	0	100%	2	2	100%
Cobre (mg Cu/L)	2,0	<0,010	0,39	0	100%	2	2	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	2	2	100%
1,2-Dicloroetano (µg/L)	3,0	<0,5	<0,5	0	100%	2	2	100%
Dureza Total (mg CaCO3/L)	---	5,5	7,8	---	---	2	2	100%
Ferro (µg Fe/L)	200	<10	71	0	100%	5	5	100%
Fluoreto (mg F/L)	1,5	<0,050	0,25	0	100%	2	2	100%
Hidrocarbonetos Aromáticos Policíclicos (µg/L)	0,10	<0,005 (Maior LQ)	<0,005 (Maior LQ)	0	100%	2	2	---
Benzo(b)fluoranteno (µg/L)	---	<0,005	<0,005	---	---	2	2	100%
Benzo(k)fluoranteno (µg/L)	---	<0,002	<0,002	---	---	2	2	100%
Benzo(ghi)perileno (µg/L)	---	<0,004	<0,004	---	---	2	2	100%
Indeno(1,2,3-cd)pireno (µg/L)	---	<0,004	<0,004	---	---	2	2	100%
Magnésio (mg Mg/L)	---	0,56	0,59	---	---	2	2	100%
Manganês (µg Mn/L)	42	<10	<10	0	100%	5	5	100%
Nitrato (mg NO3/L)	50	3,3	3,5	0	100%	2	2	100%
Nitrito (mg NO2/L)	0,50	<0,020	<0,020	0	100%	2	2	100%
Mercúrio (µg Hg/L)	1,0	<0,30	<0,30	0	100%	2	2	100%
Níquel (µg Ni/L)	20	<5	20	0	100%	2	2	100%
Oxidabilidade (mg O2/L)	5,0	<2,0	2,2	0	100%	4	4	100%
Pesticidas Totais (µg/L)	0,50	-	-	-	-	0	0	N.A
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	2	2	100%
Sódio (mg Na/L)	200	3,1	8,1	0	100%	2	2	100%
Sulfato (mg SO4/L)	250	<5,0	<5,0	0	100%	2	2	100%
Tetracloroetano e Tricloroetano (µg/L)	10	<3 (maior LQ)	<3 (maior LQ)	0	100%	2	2	---
Tetracloroetano (µg/L)	---	<3	<3	---	---	2	2	100%
Tricloroetano (µg/L)	---	<0,5	<0,5	---	---	2	2	100%
Trihalometanos - total (µg/L)	100	<3 (maior LQ)	4	0	100%	2	2	---
Clorofórmio (µg/L)	---	<3	4	---	---	2	2	100%
Bromofórmio (µg/L)	---	<3	<3	---	---	2	2	100%
Bromodiclorometano (µg/L)	---	<3	<3	---	---	2	2	100%
Dibromoclorometano (µg/L)	---	<3	<3	---	---	2	2	100%
Dose Indicativa (mSv/ano)	0,10	<0,10	<0,10	0	100%	2	2	100%
Alfa-total (Bq/L)	0,10 (Nível de Verificação)	<0,04	<0,04	---	---	2	2	---
Beta-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	---	---	2	2	---
Radão (Bq/L)	500	<10,0	35,6	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



Informação complementar relativa aos incumprimentos.

ZA PE	Data Colheita	Parâmetro	Causas Incumprimento	Análises Verificação (A.V.)*	Medida tomadas ou a implementar	Acompanhamento do incumprimento (A.V.)
Cabeça Alta	11-02-2019	E. coli	#Contaminação da rede predial devido a mistura com origem de água particular	26-02-2019	# Esclarecimento escrito ao responsável pela rede predial (estabelecimento ao público)	Ultrapassado
Cabeça Alta	11-02-2019	Bactérias coliformes	#Contaminação da rede predial devido a mistura com origem de água particular	26-02-2019	# Esclarecimento escrito ao responsável pela rede predial (estabelecimento ao público)	Ultrapassado
Cabeça Alta	11-02-2019	pH	#Contaminação da rede predial devido a mistura com origem de água particular	26-02-2019	# Esclarecimento escrito ao responsável pela rede predial (estabelecimento ao público)	Ultrapassado
Prados	14-01-2019	pH	Características naturais da qualidade da água bruta	-	Não foram tomadas medidas por não haver risco para a saúde(parecer da A.S ou por ausência)_Não foram tomadas medidas mas já existe um plano de trabalho com vista à sua correcção	Por encerrar
Soutomoninho	14-01-2019	pH	Características naturais da qualidade da água bruta	-	Não foram tomadas medidas por não haver risco para a saúde(parecer da A.S ou por ausência)_Não foram tomadas medidas mas já existe um plano de trabalho com vista à sua correcção	Por encerrar

Notas:

Informação presente no portal da Entidade Reguladora_ERSAR

* Cujo resultado demonstrou que o incumprimento tinha sido ultrapassado.



3. INCUMPRIMENTOS

Apresenta-se, em seguida, o “Mapa de Incumprimentos”, onde são indicados (caso existam) os resultados que violaram o respetivo Valor Paramétrico definido no D.L. n.º 152/2017.

Nesta avaliação quando na coluna “Violação” aparece a indicação V.A., significa que foi registada uma violação ao Valor Paramétrico fixado no D. L. n.º152/17. Quando na coluna “Violação” aparece a indicação V.R. significa que os valores definidos, para os parâmetros Desinfetante Residual, N.º de Colónias a 22 e a 36 °C, Dureza Total, Cálcio e Magnésio, indicados como desejáveis no D. L. n.º 152/17, foram ultrapassados.

Os Níveis de verificação impostos para os parâmetros Alfa total e Beta total quando ultrapassados são, de igual modo, apresentados na coluna “Violação” com a indicação V.R..

Será enviado por correio eletrónico, um ficheiro IDQA, retirado do portal do ERSAR, onde poderão ser visualizados todos os incumprimentos registados.

No referido ficheiro, também, estão apresentados os locais de amostragem onde foi possível realizar as colheitas e os locais previstos inicialmente no PCQA.

A legislação no artigo n.º15 refere que as Entidades Gestoras devem avaliar se o local onde a amostra foi recolhida é de igual modo representativo da área da zona de amostragem que se pretende controlar. Se tal não for o caso a Entidade Gestora deverá proceder à alteração do ponto de amostragem no Portal da ERSAR.

3.1 INDICAÇÃO DAS COMUNICAÇÕES DOS INCUMPRIMENTOS.

Relembra-se que segundo o artigo n.º 18, a Entidade Gestora deve comunicar de forma auditável, à Autoridade de Saúde e à ERSAR os incumprimentos até ao fim do dia útil seguinte àquele em que teve conhecimento da sua ocorrência.

CESAB - Centro de Serviços do Ambiente

Zona Industrial Ponte de Viadões
MEALHADA
3050-481

Mapa de Incumprimentos

Período de 01-01-2019 a 31-03-2019 (Data de Colheita)

Cliente: Câmara Municipal de Celorico da Beira

Tipo de Amostra: Águas de Consumo Humano

Área: Aldeia da Serra

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
14-01-2019	15-01-2019	1006 Chafariz 1 - Aldeia da Serra	Cloro Residual Livre	---	---	<0,05 mg Cl2/L	V.R.
11-03-2019	15-03-2019	7204 Chafariz 2 - Aldeia da Serra	Cloro Residual Livre	---	---	0,10 mg Cl2/L	V.R.
Total de Parâmetros da Área: 15							

Área: Assanhas

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações							Total de Parâmetros da Área: 3

Área: Cabeça Alta

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
11-02-2019	20-02-2019	4190 Café - Mesquitela	Cloro Residual Livre	---	---	<0,05 mg Cl2/L	V.R.
11-02-2019	20-02-2019	4190 Café - Mesquitela	pH	---	≥6,5 e ≤9,5	5,9 a 20°C Escala de Sorensen	V.A.
11-02-2019	20-02-2019	4190 Café - Mesquitela	Bactérias Coliformes	---	0	38 N/100ml	V.A.
11-02-2019	20-02-2019	4190 Café - Mesquitela	Escherichia Coli	---	0	5 N/100ml	V.A.
11-02-2019	20-02-2019	4190 Café - Mesquitela	Número de Colónias a 36 °C	---	s/ alter. anormal	61 N/ml a 36°C	V.R.
11-02-2019	20-02-2019	4190 Café - Mesquitela	Número de Colónias a 22 °C	---	s/ alter. anormal	221 N/ml a 22°C	V.R.
11-03-2019	12-03-2019	7198 Café Wine - Celorico	Cloro Residual Livre	---	---	0,90 mg Cl2/L	V.R.
Total de Parâmetros da Área: 23							

Área: Cadafaz

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações							Total de Parâmetros da Área: 16

Área: Fontanário de Barco

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações							Total de Parâmetros da Área: 3

Área: Linhares

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações							Total de Parâmetros da Área: 17

Área: Prados

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
14-01-2019	08-02-2019	1004 Chafariz Museu - Prados	pH	---	≥6,5 e ≤9,5	6,3 a 18°C Escala de Sorensen	V.A.
11-03-2019	12-03-2019	7199 Café - Prados	Cloro Residual Livre	---	---	0,13 mg Cl2/L	V.R.
Total de Parâmetros da Área: 62							

Área: Rapa

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações							Total de Parâmetros da Área: 15

Área: Rio Mondego - Ponte Ladrão

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações							Total de Parâmetros da Área: 22

Área: Rio Mondego - Sto António do Rio

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
14-01-2019	25-01-2019	1012 Café à entrada - Fornotelheiro	Cloro Residual Livre	---	---	0,74 mg Cl2/L	V.R.
Total de Parâmetros da Área: 23							

CESAB - Centro de Serviços do Ambiente

Zona Industrial Ponte de Viadores
MEALHADA
3050-481

Mapa de Incumprimentos

Período de 01-01-2019 a 31-03-2019 (Data de Colheita)

Área: Salgueirais

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
11-02-2019	12-02-2019	4188 Café - Salgueirais	Cloro Residual Livre	---	---	0,74 mg Cl2/L	V.R.
Total de Parâmetros da Área: 3							

Área: Soutomoninho

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
14-01-2019	17-01-2019	1013 Associação Cadafaz - Soutomoninho	pH	---	≥6,5 e ≤9,5	6,3 a 18°C Escala de Sorensen	V.A.
11-03-2019	12-03-2019	7202 Café - Soutomoninho	Cloro Residual Livre	---	---	0,13 mg Cl2/L	V.R.
Total de Parâmetros da Área: 15							

Área: Vale da Azares

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações						Total de Parâmetros da Área: 2	

Área: Velosa

Dt Col./Emis.	Boletim	Ponto de Amostragem	Parâmetro	V.R.	V.A.	Resultado	Violação
Não ocorreram violações						Total de Parâmetros da Área: 3	
Total de Parâmetros do Cliente: 282							

V.R. - Valores Recomendados de acordo com o Tipo de Amostra
V.A. - Valores Admissíveis de acordo com o Tipo de Amostra

Total de Clientes: 1
Total de Áreas: 14
Total de Pontos: 27
Total de Parâmetros: 282



A comunicação do(s) incumprimento(s) foi efetuada por correio eletrónico e/ou fax imediatamente após a validação do respetivo resultado.

Data da Campanha	Parâmetros em violação	Data de envio da comunicação de incumprimento
14-01-2019	pH	15-01-2019
11-02-2019	Bactérias Coliformes	13-02-2019
11-02-2019	Escherichia Coli	13-02-2019
11-02-2019	pH	13-02-2019

4. COMENTÁRIO TÉCNICO DOS RESULTADOS

Neste trimestre foram registados 5 incumprimentos, três deles relativos ao pH.

As zonas de abastecimento de Cabeça Alta, Prados e Soutomoninho apresentaram valores de pH inferiores ao valor mínimo referido na legislação. O incumprimento registado na zona de Cabeça Alta já se encontra ultrapassado uma vez que estava relacionado com a mistura de água de uma origem particular.

A zona de abastecimento de Cabeça Alta apresentou problemas relativos à sua qualidade microbiológica, tal como o referido anteriormente a amostra recolhida neste trimestre tinha influência de água proveniente de uma origem particular.

Os Níveis de Verificação, estabelecidos para os parâmetros radiológicos Alfa-Total e Beta-Total, foram respeitados.

Resta referir que das 27 determinações efetuadas ao cloro residual livre foram contabilizadas 24 amostras com valores próximos da gama referida na legislação 0,2_0,6 mg Cl₂/L.

O CESAB coloca-se à disposição para a colaboração que entenderem necessária.

Resumo dos parâmetros pesquisados na zona de abastecimento: Aldeia da Serra							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
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)	---	<0,05	0,10	---	---	2	2	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,5	6,5	0	100%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	98,3	98,3	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D._ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Assanhas							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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 Cl ₂ /L)	---	0,32	0,32	---	---	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	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	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH ₄ /L)	0,50	---	---	---	---	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 ₃ /L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO ₂ /L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO ₃ /L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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 ₃ /L)	---	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO ₃ /L)	50	---	---	---	---	0	0	---
Nitrito (mg NO ₂ /L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O ₂ /L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO ₄ /L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Cabeça Alta							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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	5	1	67%	3	3	100%
Bactérias Coliformes (N/100ml)	0	0	38	1	67%	3	3	100%
Desinfectante residual (mg Cl2/L)	---	<0,05	0,90	---	---	3	3	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	5,9	5,9	1	0%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	195	195	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	0	100%	1	1	100%
N.º Colónias 22°C (N/ml a 22°C)	s/ alter. anormal	221	221	---	---	1	1	100%
N.º Colónias 36°C (N/ml a 36°C)	s/ alter. anormal	61	61	---	---	1	1	100%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH4/L)	0,50	---	---	---	---	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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	16	16	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	2,2	2,2	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
ZA PE	Data Colheita	Parâmetro	Causas Incumprimento		Análises Verificação (A.V.)	Medida tomadas ou a implementar		
Cabeça Alta	11-02-2019	E. coli	#Contaminação da rede predial devido a mistura com origem de água particular		26-02-2019	# Esclarecimento escrito ao responsável pela rede predial (estabelecimento ao público)		
Cabeça Alta	11-02-2019	Bactérias coliformes			26-02-2019			
Cabeça Alta	11-02-2019	pH			26-02-2019			

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: Cadafaz							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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 ₂ /L)	---	0,17	0,27	---	---	2	2	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,5	6,5	0	100%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	68,7	68,7	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH ₄ /L)	0,50	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	2,10	2,10	0	100%	1	1	100%
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 ₃ /L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO ₂ /L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO ₃ /L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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 ₃ /L)	---	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO ₃ /L)	50	---	---	---	---	0	0	---
Nitrito (mg NO ₂ /L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O ₂ /L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO ₄ /L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L. Q. - Limite de Quantificação

N.D._ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Fontanário de Barco							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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)	---	0,16	0,16	---	---	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	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	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D._Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Linhares							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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)	---	0,24	0,28	---	---	2	2	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,8	6,8	0	100%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	33,9	33,9	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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	1	1	---	---	1	1	100%
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH4/L)	0,50	---	---	---	---	0	0	---
Antimónio (µg Sb/L)	5,0	---	---	---	---	0	0	---
Arsénio (µg As/L)	10	7,27	7,27	0	100%	1	1	100%
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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Prados							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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)	---	0,13	0,52	---	---	2	2	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,3	6,3	1	0%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	33,3	33,3	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	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%
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	<0,5	<0,5	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)	---	1,3	1,3	---	---	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	<4,0	<4,0	0	100%	1	1	100%
Clorito (mg ClO2/L)	0,7							
Clorato (mg ClO3/L)	0,7							
Chumbo (µg Pb/L)	10	6	6	0	100%	1	1	100%
Cobre (mg Cu/L)	2,0	0,39	0,39	0	100%	1	1	100%
Crómio (µg Cr/L)	50	<5	<5	0	100%	1	1	100%
1,2-Dicloroetano (µg/L)	3,0	<0,5	<0,5	0	100%	1	1	100%
Dureza Total (mg CaCO3/L)	---	5,5	5,5	---	---	1	1	100%
Ferro (µg Fe/L)	200	<10	<10	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	<0,050	<0,050	0	100%	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%
Magnésio (mg Mg/L)	---	0,56	0,56	---	---	1	1	100%
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	3,5	3,5	0	100%	1	1	100%
Nitrito (mg NO2/L)	0,50	<0,020	<0,020	0	100%	1	1	100%
Mercurio (µg Hg/L)	1,0	<0,30	<0,30	0	100%	1	1	100%
Níquel (µg Ni/L)	20	20	20	0	100%	1	1	100%
Oxidabilidade (mg O2/L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	1	1	100%
Sódio (mg Na/L)	200	3,1	3,1	0	100%	1	1	100%
Sulfato (mg SO4/L)	250	<5,0	<5,0	0	100%	1	1	100%
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	<3 (maior LQ)	<3 (maior LQ)	0	100%	1	1	100%
Tetracloroetano (µg/L)	---	<3	<3	---	---	1	1	100%
Tricloroetano (µg/L)	---	<0,5	<0,5	---	---	1	1	100%
Trihalometanos Totais (µg/L)	100	<3 (maior LQ)	<3 (maior LQ)	0	100%	1	1	---
Clorofórmio (µg/L)	---	<3	<3	---	---	1	1	100%
Bromofórmio (µg/L)	---	<3	<3	---	---	1	1	100%
Bromodichlorometano (µg/L)	---	<3	<3	---	---	1	1	100%
Dibromoclorometano (µg/L)	---	<3	<3	---	---	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	---
β-Total (Bq/L)	1,0 (Nível de verificação)	<0,10	<0,10	0	---	1	1	---
Radão (Bq/L)	500	35,6	35,6	0	100%	1	1	100%
ZA PE	Data Colheita	Parâmetro	Causas Incumprimento	Análises Verificação (A.V.)	Medida tomadas ou a implementar			
Prados	14-01-2019	pH	Características naturais da qualidade da água bruta	-	Não foram tomadas medidas por não haver risco para a saúde (parecer da A.S ou por ausência). Não foram tomadas medidas mas já existe um plano de trabalho com vista à sua correção			

Notas:

L.Q. - Limite de Quantificação

N.D._ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Rapa							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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 ₂ /L)	---	0,30	0,36	---	---	2	2	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,5	6,5	0	100%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	43,3	43,3	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	0,4	0,4	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH ₄ /L)	0,50	---	---	---	---	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 ₃ /L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO ₂ /L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO ₃ /L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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 ₃ /L)	---	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO ₃ /L)	50	---	---	---	---	0	0	---
Nitrito (mg NO ₂ /L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O ₂ /L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO ₄ /L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D. - Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Rio Mondego - Ponte Ladrão							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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)	---	0,45	0,64	---	---	3	3	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	7,2	7,2	0	100%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	119	119	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH4/L)	0,50	---	---	---	---	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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	<10	<10	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D._ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Rio Mondego - Sto António do Rio							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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)	---	0,36	0,74	---	---	3	3	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	7,7	7,7	0	100%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	89,4	89,4	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	0,4	0,4	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH4/L)	0,50	---	---	---	---	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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	71	71	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D._ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Salgueirais							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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)	---	0,74	0,74	---	---	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	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	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D._Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Soutomoninho							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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)	---	0,13	0,41	---	---	2	2	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	6,3	6,3	1	0%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	73,7	73,7	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH4/L)	0,50	---	---	---	---	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	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO2/L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO3/L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO3/L)	50	---	---	---	---	0	0	---
Nitrito (mg NO2/L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O2/L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO4/L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---
ZA PE	Data Colheita	Parâmetro	Causas Incumprimento		Análises Verificação (A.V.)	Medida tomadas ou a implementar		
Soutomoninho	14-01-2019	pH	Características naturais da qualidade da água bruta		-	Não foram tomadas medidas por não haver risco para a saúde(parecer da A.S ou por ausência)_Não foram tomadas medidas mas já existe um plano de trabalho com vista à sua correção		

Notas:

L.Q. - Limite de Quantificação

N.D._ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Vale da Azores							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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 ₂ /L)	---	0,17	0,23	---	---	2	2	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%
pH (E. Sorensen)	≥6,5 e ≤9,5	7,0	7,0	0	100%	1	1	100%
Condutividade (µS/cm, a 20 °C)	2500	51,9	51,9	0	100%	1	1	100%
Cor (mg PtCo/L)	20	<5	<5	0	100%	1	1	100%
Turvação (UNT)	4	<0,3	<0,3	0	100%	1	1	100%
Enterococos fecais (N/100ml)	0	0	0	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%
Clostridium perfringens (N/100ml)	0	0	0	0	100%	1	1	100%
Alumínio (µg Al/L)	200	<20	<20	0	100%	1	1	100%
Amónio (mg NH ₄ /L)	0,50	<0,050	<0,050	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	<0,5	<0,5	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 ₃ /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)	---	2,2	2,2	---	---	1	1	100%
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	<10	<10	0	100%	1	1	100%
Cloreto (mg Cl/L)	250	4,5	4,5	0	100%	1	1	100%
Clorito (mg ClO ₂ /L)	0,7							
Clorato (mg ClO ₃ /L)	0,7							
Chumbo (µg Pb/L)	10	5	5	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	<0,5	<0,5	0	100%	1	1	100%
Dureza Total (mg CaCO ₃ /L)	---	7,8	7,8	---	---	1	1	100%
Ferro (µg Fe/L)	200	<10	<10	0	100%	1	1	100%
Fluoreto (mg F/L)	1,5	0,25	0,25	0	100%	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%
Magnésio (mg Mg/L)	---	0,59	0,59	---	---	1	1	100%
Manganês (µg Mn/L)	50	<10	<10	0	100%	1	1	100%
Nitrato (mg NO ₃ /L)	50	3,3	3,3	0	100%	1	1	100%
Nitrito (mg NO ₂ /L)	0,50	<0,020	<0,020	0	100%	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%
Oxidabilidade (mg O ₂ /L)	5,0	<2,0	<2,0	0	100%	1	1	100%
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	<0,5	<0,5	0	100%	1	1	100%
Sódio (mg Na/L)	200	8,1	8,1	0	100%	1	1	100%
Sulfato (mg SO ₄ /L)	250	<5,0	<5,0	0	100%	1	1	100%
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	<3 (maior LQ)	<3 (maior LQ)	0	100%	1	1	100%
Tetracloroetano (µg/L)	---	<3	<3	---	---	1	1	100%
Tricloroetano (µg/L)	---	<0,5	<0,5	---	---	1	1	100%
Trihalometanos Totais (µg/L)	100	4	4	0	100%	1	1	---
Clorofórmio (µg/L)	---	4	4	---	---	1	1	100%
Bromofórmio (µg/L)	---	<3	<3	---	---	1	1	100%
Bromodiclorometano (µg/L)	---	<3	<3	---	---	1	1	100%
Dibromoclorometano (µg/L)	---	<3	<3	---	---	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%

Notas:

L.Q. - Limite de Quantificação

N.D._ Não Detectado

Resumo dos parâmetros pesquisados na zona de abastecimento: Velosa							1.º TRIMESTRE 2019 01 Janeiro a 31 março	
Parâmetro ()	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 Cl ₂ /L)	---	0,24	0,24	---	---	1	1	100%
Cheiro, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
Sabor, a 25°C (Fator de diluição)	3	---	---	---	---	0	0	---
pH (E. Sorensen)	≥6,5 e ≤9,5	---	---	---	---	0	0	---
Condutividade (µS/cm, a 20 °C)	2500	---	---	---	---	0	0	---
Cor (mg PtCo/L)	20	---	---	---	---	0	0	---
Turvação (UNT)	4	---	---	---	---	0	0	---
Enterococos fecais (N/100ml)	0	---	---	---	---	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	---
Clostridium perfringens (N/100ml)	0	---	---	---	---	0	0	---
Alumínio (µg Al/L)	200	---	---	---	---	0	0	---
Amónio (mg NH ₄ /L)	0,50	---	---	---	---	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 ₃ /L)	10	---	---	---	---	0	0	---
Cádmio (µg Cd/L)	5,0	---	---	---	---	0	0	---
Cálcio (mg Ca/L)	---	---	---	---	---	0	0	---
Carbono Orgânico Total (mg C/L)	Sem alter. anormal	---	---	---	---	0	0	---
Cianeto (µg CN/L)	50	---	---	---	---	0	0	---
Cloreto (mg Cl/L)	250	---	---	---	---	0	0	---
Clorito (mg ClO ₂ /L)	0,7	---	---	---	---	---	---	---
Clorato (mg ClO ₃ /L)	0,7	---	---	---	---	---	---	---
Chumbo (µg Pb/L)	25	---	---	---	---	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 ₃ /L)	---	---	---	---	---	0	0	---
Ferro (µg Fe/L)	200	---	---	---	---	0	0	---
Fluoreto (mg F/L)	1,5	---	---	---	---	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	---
Magnésio (mg Mg/L)	---	---	---	---	---	0	0	---
Manganês (µg Mn/L)	50	---	---	---	---	0	0	---
Nitrato (mg NO ₃ /L)	50	---	---	---	---	0	0	---
Nitrito (mg NO ₂ /L)	0,50	---	---	---	---	0	0	---
Mercúrio (µg Hg/L)	1,0	---	---	---	---	0	0	---
Níquel (µg Ni/L)	20	---	---	---	---	0	0	---
Oxidabilidade (mg O ₂ /L)	5,0	---	---	---	---	0	0	---
Pesticidas Totais (µg/L)	0,50	---	---	---	---	0	0	---
Selénio (µg Se/L)	10	---	---	---	---	0	0	---
Sódio (mg Na/L)	200	---	---	---	---	0	0	---
Sulfato (mg SO ₄ /L)	250	---	---	---	---	0	0	---
Soma de Tetracloroetano e Tricloroetano (µg/L)	10	---	---	---	---	---	---	---
Tetracloroetano (µg/L)	---	---	---	---	---	0	0	---
Tricloroetano (µg/L)	---	---	---	---	---	0	0	---
Trihalometanos Totais (µg/L)	100	---	---	---	---	---	---	---
Clorofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromofórmio (µg/L)	---	---	---	---	---	0	0	---
Bromodichlorometano (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	---
β-Total (Bq/L)	1,0 (Nível verificação)	---	---	---	---	0	0	---
Radão (Bq/L)	500	---	---	---	---	0	0	---

Notas:

L.Q. - Limite de Quantificação

N.D. _ Não Detectado