SMAS PAREDES
ÁGUA E SANEAMENTO

MAPA DE DIVULGAÇÃO DOS RESULTADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO NA ZONA DE ABASTECIMENTO DE CASTROMIL, SOBREIRA

4.º Trimestre de 2024 01 de outubro a 31 de dezembro

Em conformidade com o Decreto-Lei n.º 69/2023, de 21 de agosto, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente, a Entidade Reguladora dos Serviços de Águas e Resíduos (ERSAR).

Parâmetro (unidades)	Valor Paramétrico (VP)	Valores Obtidos		N.º Análises	%	N.º Análises (PCQA)		% Análises
		Mínimo	Máximo	superiores VP	Cumprimento	Agendadas	Realizadas	Realizadas
Escherichia coli (N/100 ml)	0	0	0	0	100%	3	3	100%
Bactérias coliformes (N/100 ml)	0	0	0	0	100%	3	3	100%
Desinfetante residual (mg/L)	---	0,30	1,98	---	---	3	3	100%
Alumínio (µg/L Al)	200	---	---	---	---	---	---	---
Cheiro a 25ºC (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Clostridium perfringens (N/100ml)	0	---	---	---	---	---	---	---
Condutividade (µS/cm a 20ºC)	2500	173	173	0	100%	1	1	100%
Cor (mg/L PtCo)	20	<3,0	<3,0	0	100%	1	1	100%
Enterococos (N/100 mL)	0	0	0	0	100%	1	1	100%
Ferro (µg/L Fe)	200	---	---	---	---	---	---	---
Manganês (µg/L Mn)	50	13,6	13,6	0	100%	1	1	100%
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	0	0	---	---	1	1	100%
pH (Unidades pH)	≥6,5 e ≤9,5	7,1	7,1	0	100%	1	1	100%
Sabor a 25ºC (Fator de diluição)	3	<1	<1	0	100%	1	1	100%
Turvação (NTU)	4	<1,0	<1,0	0	100%	1	1	100%
1,2 – dicloroetano (µg/L) (3)	3	---	---	---	---	---	---	---
Amónio (mg/L NH_4)	0,50	---	---	---	---	---	---	---
Antimónio (µg/L Sb) (3)	10	---	---	---	---	---	---	---
Arsénio (µg/L As) (3)	10	14	14	1	0%	1	1	100%
Benzeno (µg/L) (3)	1	---	---	---	---	---	---	---
Benzo(a)pireno (µg/L)	0,01	---	---	---	---	---	---	---
Boro (mg/L B) (3)	1,5	---	---	---	---	---	---	---
Bromatos (µg/L BrO_3) (3)	10	---	---	---	---	---	---	---
Cádmio (µg/L Cd) (3)	5	---	---	---	---	---	---	---
Cálcio (mg/L Ca)	---	---	---	---	---	---	---	---
Chumbo (µg/L Pb)	10	---	---	---	---	---	---	---
Cianetos (µg/L CN) (3)	50	---	---	---	---	---	---	---
Cloratos (mg/L ClO_3)	0,7	---	---	---	---	---	---	---
Cloretos (mg/L Cl) (3)	250	---	---	---	---	---	---	---
Cloritos (mg/L ClO_2)	0,7	---	---	---	---	---	---	---
Cobre (mg/L Cu)	2	---	---	---	---	---	---	---
Crómio (µg/L Cr)	50	---	---	---	---	---	---	---
Dureza total (mg/L $CaCO_3$)	---	---	---	---	---	---	---	---
Fluoretos (mg/L F) (3)	1,5	---	---	---	---	---	---	---
Magnésio (mg/L Mg)	---	---	---	---	---	---	---	---
Mercúrio (µg/L Hg) (3)	1	---	---	---	---	---	---	---
Níquel (µg/L Ni)	20	---	---	---	---	---	---	---
Nitratos (mg/L NO_3) (3)	50	---	---	---	---	---	---	---
Nitritos (mg/L NO_2)	0,50	---	---	---	---	---	---	---
Oxidabilidade (mg/L O_2)	5	---	---	---	---	---	---	---
Potássio (mg/l K)	Sem alteração anormal	---	---	---	---	---	---	---
Selénio (µg/L Se) (3)	20	---	---	---	---	---	---	---
Sódio (mg/L Na) (3)	200	---	---	---	---	---	---	---
Sulfatos (mg/L SO_4) (3)	250	---	---	---	---	---	---	---
Tetracloroeteno e Tricloroeteno (µg/L):	10	---	---	---	---	---	---	---
Tetracloroeteno(µg/L) (3)	---	---	---	---	---	---	---	---
Tricloroeteno(µg/L) (3)	---	---	---	---	---	---	---	---
Hidrocarbonetos Aromáticos Policíclicos (µg/L):	0,10	---	---	---	---	---	---	---
Benzo(b)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(k)fluoranteno (µg/L)	---	---	---	---	---	---	---	---
Benzo(ghi)perileno (µg/L)	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pireno(µg/L)	---	---	---	---	---	---	---	---
Trihalometanos - total (µg/L):	100	---	---	---	---	---	---	---
Clorofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromofórmio(µg/L)	---	---	---	---	---	---	---	---
Bromodiclorometano(µg/L)	---	---	---	---	---	---	---	---
Dibromoclorometano(µg/L)	---	---	---	---	---	---	---	---
Pesticidas – total (µg/L) (3)	0,50	<0,10	<0,10	0	100%	1	1	100%
Alacloro (µg/L) (3)	0,10	---	---	---	---	---	---	---
AMPA (µg/L) (3)	0,10	---	---	---	---	---	---	---
Bentazona (µg/L) (3)	0,10	---	---	---	---	---	---	---
Clorpirifos (µg/L) (3)	0,10	---	---	---	---	---	---	---
Desetilsimazina (µg/L) (3)	0,10	---	---	---	---	---	---	---
Desetilterbutilazina (µg/L) (3)	0,10	---	---	---	---	---	---	---
Dimetenamida-P (µg/L) (3)	0,10	<0,030	<0,030	0	100%	1	1	100%
Dimetoato (µg/L) (3)	0,10	---	---	---	---	---	---	---
Diurão (µg/L) (3)	0,10	---	---	---	---	---	---	---
Gilfosato (µg/L) (3)	0,10	---	---	---	---	---	---	---
Imidaclopride (µg/L) (3)	0,10	---	---	---	---	---	---	---
M656PH051 (µg/L) (3)	0,10	<0,030	<0,030	0	100%	1	1	100%
MCPA (µg/L) (3)	0,10	---	---	---	---	---	---	---
Metalaxil (µg/L) (2)	0,10	---	---	---	---	---	---	---
Metolacloro (µg/L) (3)	0,10	---	---	---	---	---	---	---
Metribuzina (µg/L) (3)	0,10	---	---	---	---	---	---	---
Ometoato (µg/L) (3)	0,10	---	---	---	---	---	---	---
Simazina (µg/L) (3)	0,10	---	---	---	---	---	---	---
Terbutilazina (µg/L) (3)	0,10	---	---	---	---	---	---	---
2,4-D (2)	0,10	---	---	---	---	---	---	---
Alfa total (Bq/L) (3)	0,10 (4)	---	---	---	---	---	---	---
Beta Total (Bq/L) (3)	1,0	---	---	---	---	---	---	---
Dose indicativa total (mSv/L) (3)	0,10	---	---	---	---	---	---	---
Radão (Bq/L)	500	---	---	---	---	---	---	---

NOTAS:

(1) Zonas de abastecimento controladas: Origem AdDP-Lever Norte, Visalto, Alvre, Casconha, Castromil, Devesa, Gandra, Parada, Povar, Recarei, Santa Comba, Santo Amaro, Sarnada, Senande, Urbanização "O Ninho", Vilar.

(2) Parâmetro (conservativo) analisado pela entidade gestora em alta AdDP - Águas do Douro e Paiva, SA.

(3) Parâmetro (conservativo) analisado pela entidade gestora em alta AdDP - Águas do Douro e Paiva, SA e pela entidade gestora em baixa SMAS de Paredes.

(4) Níveis de verificação (alerta)

Definições:

Controlo de Rotina: tem como objetivo fornecer regularmente informações sobre a qualidade organolética e microbiológica da água destinada ao consumo humano, bem como sobre a eficácia dos tratamentos existentes, especialmente a desinfeção, tendo em vista determinar a conformidade da água com os valores paramétricos estabelecidos no Decreto-Lei n.º 69/2023, de 21 de agosto;

Controlo de Inspeção: tem como objetivo obter as informações necessárias para verificar o cumprimento dos valores paramétricos do o Decreto-Lei n.º 69/2023, de 21 de agosto;

Conservativos: parâmetros em relação aos quais não há alterações desfavoráveis entre o ponto de entrega em alta e as torneiras dos consumidores, estando, neste caso, a EG em baixa dispensada de efetuar o seu controlo analítico.

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas corretivas):

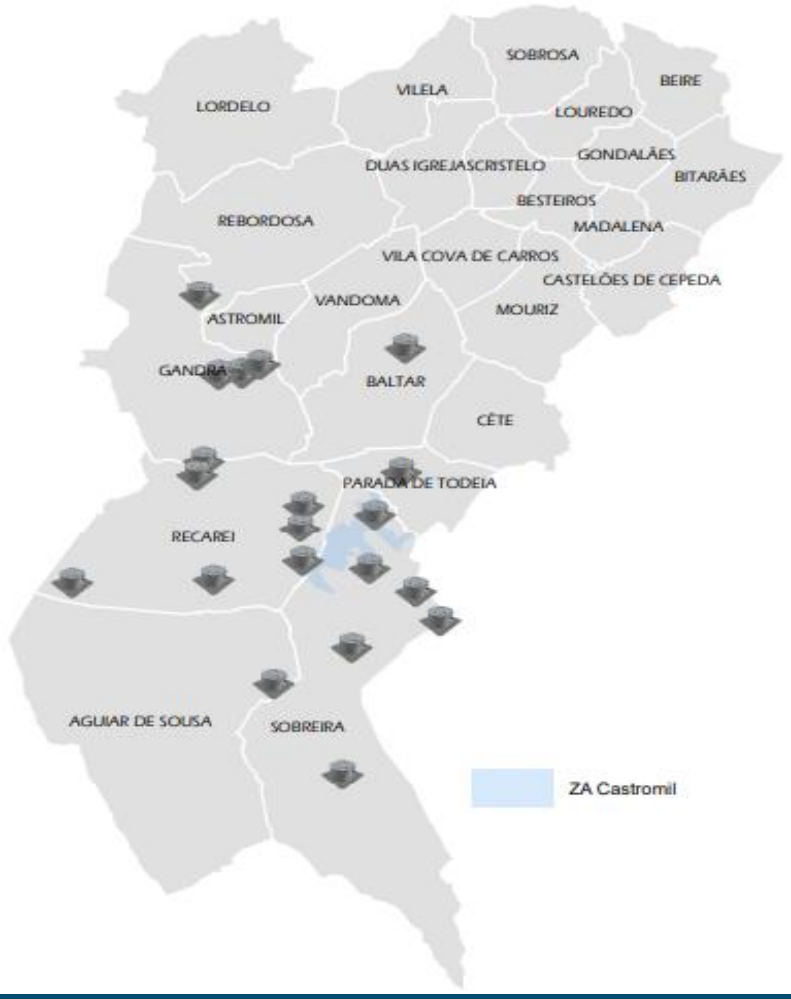
Após a averiguação das possíveis causas do incumprimento detetou-se que a não conformidade se deveu a uma falha no sistema de tratamento. A situação de incumprimento ocorrida foi acompanhada pela Autoridade de Saúde, que considerou existir risco para a saúde humana e determinou a interrupção do abastecimento. Medida corretiva implementada pelos SMAS de Paredes até à normalização do processo de tratamento.

Para informação mais detalhada sobre estes resultados, por favor dirija-se ao nosso serviço de atendimento.

Responsável da Qualidade da Água: Mariana Frada

Data de publicação no website: 2025-02-14

MAPA DA ZONA DE ABASTECIMENTO:



INFORMAÇÃO COMPLEMENTAR:

	4.º Trimestre		Anual (acumulado)	
	Previstas no	Realizadas	Previstas no	Realizadas
N.º de análises realizadas**	22	22	140	140
% de análises realizadas	100%		100%	
N.º de imcumprimentos**	1		2	
% de resultados conformes	94,4%		98,2%	

** não inclui contabilização de parâmetros conservativos.

(%) DE ANÁLISES CONFORMES