

MAPA DE DIVULGAÇÃO DOS RESULTADOS DO CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO
NO PONTO DE ENTREGA "EM ALTA", AO MUNICÍPIO DE ARRUDA DOS VINHOS

1. º Trimestre de 2019
01 de janeiro a
31 de março

Mapa elaborado em conformidade com o Decreto-Lei n.º 306/2007 de 27 de agosto revisto pelo Decreto-Lei n.º 152/2017 de 7 de dezembro, conforme PCQA aprovado pela ERSAR

Parâmetro (unidades)	Valor Paramétrico (VP)	Valores obtidos		N.º Análises superiores VP	% Cumprimento do VP	N.º Análises (PCQA)		% Análises Realizadas
		Mínimo	Máximo			Agendadas	Realizadas	
Alumínio (µg/L Al)	200	23	26	0	100%	2	2	100%
Amónio (mg/L NH ₄)	0,50	---		---	---	---	---	---
Bactérias coliformes (N/100 ml)	0	0		0	100%	2	2	100%
Benzo(a)pireno (µg/L)	0,010	---		---	---	---	---	---
Cálcio (mg/L Ca)	---	---		---	---	---	---	---
Cheiro a 25°C (Fator de diluição)	3	< 1		0	100%	2	2	100%
Chumbo (µg/L Pb)	10	---		---	---	---	---	---
Cloro residual livre (mg/L)	---	0,59	0,66	---	---	2	2	100%
<i>Clostridium perfringens</i> (N/100ml)	0	0		0	100%	2	2	100%
Cobre (mg/L Cu)	2,0	---		---	---	---	---	---
Condutividade (µS/cm a 20°C)	2500	149	194	0	100%	2	2	100%
Cor (mg/L PtCo)	20	< 5		0	100%	2	2	100%
Crómio (µg/L Cr)	50	---		---	---	---	---	---
Dureza total (mg/L CaCO ₃)	---	---		---	---	---	---	---
<i>Enterococos</i> (N/100 mL)	0	0		0	100%	2	2	100%
<i>Escherichia coli</i> (N/100 ml)	0	0		0	100%	2	2	100%
Ferro (µg/L Fe)	200	< 10	11	0	100%	2	2	100%
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)	---	---		---	---	---	---	---
Magnésio (mg/L Mg)	---	---		---	---	---	---	---
Manganês (µg/L Mn)	50	<10		0	100%	2	2	100%
Níquel (µg/L Ni)	20	---		---	---	---	---	---
Nitritos (mg/L NO ₂)	0,5	---		---	---	---	---	---
Número de colónias a 22 °C (N/ml)	Sem alteração anormal	0		---	---	2	2	100%
Número de colónias a 36 °C (N/ml)	Sem alteração anormal	0		---	---	2	2	100%
Oxidabilidade (mg/L O ₂)	5	< 2,0	2,4	0	100%	2	2	100%
<i>pH</i> (Unidades de <i>pH</i>)	≥ 6,5 e ≤ 9,5	7,9	8	0	100%	2	2	100%
Radão (Bq/L)	500	---		---	---	---	---	---
Sabor a 25°C (Fator de diluição)	3	< 1		0	100%	2	2	100%
Trihalometanos - total (µg/L):	100	---		---	---	---	---	---
Bromodiclorometano (µg/L)	---	---		---	---	---	---	---
Bromofórmio (µg/L)	---	---		---	---	---	---	---
Clorofórmio (µg/L)	---	---		---	---	---	---	---
Dibromoclorometano (µg/L)	---	---		---	---	---	---	---
Turvação (NTU)	4	< 0,3		0	100%	2	2	100%

Parâmetros Conservativos Analisados pela EPAL

1,2 – dicloroetano (µg/L)	3,0	< 0,1	0,0	100%	1	1	100%
Antimónio (µg/L Sb)	5	< 0,5	0	100%	1	1	100%
Arsénio (µg/L As)	10	< 0,5	0	100%	1	1	100%
Benzeno (µg/L)	1,0	< 0,3	0,0	100%	1	1	100%
Boro (mg/L B)	1,0	< 0,02	0,0	100%	1	1	100%
Bromatos (µg/L BrO ₃)	10	< 10	0,0	100%	1	1	100%
Cádmio (µg/L Cd)	5,0	< 0,5	0,0	100%	1	1	100%
Cianetos (µg/L CN)	50	< 5	0	100%	1	1	100%
Cloretos (mg/L Cl)	250	22,2	0	100%	1	1	100%
Fluoretos (mg/L F)	1,5	< 0,1	0	100%	1	1	100%
Mercúrio (µg/L Hg)	1	< 0,2	0	100%	1	1	100%
Nitratos (mg/L NO ₃)	50	2,4	0	100%	1	1	100%
Parâmetros Radioativos:	---	---	---	---	1	---	---
Atividade α Total (Bq/L)	0,10	< 0,025	0,00	100%	1	1	100%
Atividade β Total (Bq/L)	1,0	0,1	0,00	100%	1	1	100%
Dose Indicativa Total (mSv/ano)	0,10	< 0,1	0,00	100%	1	1	100%
Pesticidas – total (µg/L):	0,50	< 0,07	0	100%	1	1	100%
2,4-D (µg/L)	0,10	---	---	---	---	---	---
Alacloro (µg/L)	0,10	< 0,07	0	100%	1	1	100%
Atrazina (µg/L)	0,10	< 0,06	0	100%	1	1	100%
Bentazona (µg/L)	0,10	< 0,05	0	100%	1	1	100%
Cimoxanil (µg/L)	0,10	---	---	---	---	---	---
Clorpirifos (µg/L)	0,10	< 0,06	0	100%	1	1	100%
Desetil-atrazina (µg/L)	0,10	< 0,05	0	100%	1	1	100%
Desetil-simazina (µg/L)	0,10	< 0,07	0	100%	1	1	100%
Desetilterbutilazina (µg/L)	0,10	< 0,02	0	100%	1	1	100%
Dimetoato (µg/L)	0,10	< 0,025	0	100%	1	1	100%
Diurão (µg/L)	0,10	< 0,045	0	100%	1	1	100%
Imidaclopride (µg/L)	0,10	< 0,02	0	100%	1	1	100%
Linurão (µg/L)	0,10	< 0,025	0	100%	1	1	100%
MCPA (µg/L)	0,10	< 0,05	0	100%	1	1	100%
Metalaxil (µg/L)	0,10	< 0,06	0	100%	1	1	100%
Metolacoloro (µg/L)	0,10	< 0,05	0	100%	1	1	100%
Ometoato (µg/L)	0,10	< 0,05	0	100%	1	1	100%
Oxamil (µg/L)	0,10	< 0,05	0,00	100%	1	1	100%
Simazina (µg/L)	0,10	< 0,06	0,00	100%	1	1	100%
Tebucozanol (µg/L)	0,10	---	---	---	---	---	---
Terbutilazina (µg/L)	0,10	< 0,07	0,00	100%	1	1	100%
Selénio (µg/L Se)	10	< 2	0	100%	1	1	100%
Sódio (mg/L Na)	200	17,9	0	100%	1	1	100%
Sulfatos (mg/L SO ₄)	250	39,8	0	100%	1	1	100%
Tetracloroeteno e Tricloroeteno (µg/L):	10	< 1	0	100%	1	1	100%
Tetracloroeteno (µg/L)	---	< 0,1	---	---	1	1	100%
Tricloroeteno (µg/L)	---	< 1	---	---	1	1	100%

Informação complementar relativa à averiguação das situações de incumprimento dos VP (causas e medidas corretivas):
Não se registou nenhum incumprimento neste trimestre.

Responsável da Qualidade da Água:

Susana Carço

Data: 03/06/2019

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be water
Águas de Mafra