PCQA - Programa Controlo Qualidade da Água para Consumo Humano

3º Trimestre

Data										2-jul		16-jul		30-jul		13-ago		20-ago		27-ago		3-set		10-set		17-set	
Zona Abastecimento										ZA1_TC_2014	ZA2_TC_2014	ZA1_TC_2014	ZA2_TC_2014	ZA1_TC_2014	ZA2_TC_2014	ZA2_TC_2014	ZA1_TC_2014	ZA2_TC_2014	ZA1_TC_2014	ZA2_TC_2014	ZA1_TC_2014	ZA1_TC_2014	ZA2_TC_2014	ZA2_TC_2014	ZA1_TC_2014	ZA2_TC_2014	ZA1_TC_2014
	Parâmetro	Nº Análises Previstas no PCQA	% de Análises Realizadas	Unidades	Valor Paramétrico	Valor Recomendado	Valores Máximos Obtidos	Valores Mínimos Obtidos	% de Análises que cumprem a legislação	ZA1_TC_A_1A_Casa Sr.ª Dª Anabela Silva	ZA_2_3_4_5_TC_20A_Casa da Sr.ª Dª Gizela Leitão	ZA1_TC_S_5A_Casa Sr Júlio Antonio Copa	ZA_2_3_4_5_TC_21A_Mini-Mercado Mini-Super	ZA1_TC_S_6A_Casa Sr. Antonio Julio Rocha Machado	ZA_2_3_4_5_TC_22A_Casa Sr.ª Dª Isabel Dias	ZA_2_3_4_5_TC_23A_Casa Sr. João Silvério C. Martins	ZA1_TC_S_7A_Restaurante Oceanário	ZA_2_3_4_5_TC_24A_Casa Sr. Fernando Reis	ZA1_TC_S_8A_Consultório Espirito Santo_Dentista	ZA_2_3_4_5_TC_25A_Casa Sr Manuel Oliveira Rosa	ZA1_TC_S_9A_Casa Sr. Rui Boaventura Camilo Moreira	ZA1_TC_A_1A_Casa Srº Cristovão Nunes	ZA_2_3_4_5_TC_26A_Casa Sr. José Manuel Silva Jorge	ZA_2_3_4_5_TC_10A_Café Radical	ZA1_TC_S_5A_Citacim	ZA_2_3_4_5_TC_12A_Unidade de Cuidados de Saúde Peniche - Atouguia	ZA1_TC_S_6A_Casa Sr. António Manuel Ferreira Godinho
CR1	Bactérias coliformes	18	100	N/100ml	0	---	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E. coli	18	100	N/100 ml	0	---	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cloro residual livre	18	100	mg/l	---	> 0,2 e < 0,6	0,5	0,1	100	0,3	0,4	0,1	0,3	0,4	0,4	0,4	0,4	0,2	0,2	0,5	0,4	0,2	0,5	0,5	0,4	0,3	0,3
CR2	Amónio	11	100	mg/l NH4	0,5	---	0,48	<0,03 (LQ)	100	---	0,13	<0,03	<0,03	<0,03	<0,03	0,48	0,21	---	---	<0,03	<0,03	---	---	<0,03	<0,03	---	---
	Cheiro	11	100	Factor de diluição	3	---	<1 (LQ)	<1 (LQ)	100	---	<1	<1	<1	<1	<1	<1	<1	---	---	<1	<1	---	---	<1	<1	---	---
	Clostridium perfringens	11	100	N/100ml	0	---	0	0	100	---	0	0	0	0	0	0	0	---	---	0	0	---	---	0	0	---	---
	Condutividade	11	100	µS/cm a 20ºC	2500	---	470	120	100	---	120	450	340	470	360	290	460	---	---	140	440	---	---	600	360	---	---
	Cor	11	100	mg/l PtCo	20	---	<5 (LQ)	<5 (LQ)	100	---	<5	<5	<5	<5	<5	<5	<5	---	---	<5	<5	---	---	<5	<5	---	---
	Alumínio	11	100	µg/l Al	200	---	52	<50 (LQ)	100	---	<50	<50	<50	52	<50	<50	<50	---	---	<50	52	---	---	<50	<50	---	---
	Manganês	11	100	µg/l Mn	50	---	<10 (LQ)	<10 (LQ)	100	---	<10	<10	<10	<10	<10	<10	<10	---	---	<10	<10	---	---	<10	<10	---	---
	Nitratos	11	100	mg/l NO3	50	---	15	2,9	100	---	2,9	7	12	6,5	15	10	6,2	---	---	5,6	5	---	---	12	4,7	---	---
	Número total de Germes a 22ºC	11	100	UFC/ 1ml	SAA	100	12	<1 (LQ)	100	---	<1	10	4	<1	<1	<1	<1	---	---	<1	<1	---	---	7	12	---	---
	Número total de Germes a 37ºC	11	100	UFC/1 ml	SAA	20	12	<1 (LQ)	100	---	<1	12	5	<1	<1	<1	<1	---	---	1	<1	---	---	<1	<1	---	---
	pH	11	100	Unidades de pH	>=6,5 e < 9	---	8	7,2	100	---	7,6	7,6	8	7,4	7,5	7,9	7,7	---	---	8	7,8	---	---	7,2	7,9	---	---
	Turvação	11	100	NTU	4	---	0,3	0,2	100	---	<0,2	<0,2	<0,2	0,2	<0,2	0,3	0,3	---	---	<0,2	0,3	---	---	<0,2	<0,2	---	---
	Oxidabilidade	11	100	mg/ L	5	---	2,7	1,5	100	---	1,5	<1,5	<1,5	1,5	<1,5	<1,5	2,4	---	---	<1,5	2,7	---	---	<1,5	<1,5	---	---
	Sabor	11	100	Factor de diluição	3	---	<1 (LQ)	<1 (LQ)	100	---	<1	<1	<1	<1	<1	<1	<1	---	---	<1	<1	---	---	<1	<1	---	---
Controlo de Inspeção	1,2-dicloroetano	1	100	µg/l	---	---	<1,0 (LQ)	<1,0 (LQ)	100	---	---	<1,0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Acrilamida	1	100	µg/l	0,1	---	<0,10 (LQ)	<0,10 (LQ)	100	---	---	<0,10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Antimónio	1	100	µg/l Sb	5	---	<2,5 (LQ)	<2,5 (LQ)	100	---	---	<2,5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Arsénio	1	100	µg/l As	10	---	<1,0 (LQ)	<1,0 (LQ)	100	---	---	<1,0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Benzeno	1	100	µg/l	1	---	<1,0 (LQ)	<1,0 (LQ)	100	---	---	<1,0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Benzo(a)pireno	1	100	µg/l	0,01	---	<0,006 (LQ)	<0,006 (LQ)	100	---	---	<0,006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Boro	1	100	mg/l B	1	---	<0,03(LQ)	<0,03(LQ)	100	---	---	<0,03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Bromatos	1	100	µg/l BrO3	10	---	<5 (LQ)	<5 (LQ)	100	---	---	<5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Cádmio	1	100	µg/l Cd	5	---	<0,5 (LQ)	<0,5 (LQ)	100	---	---	<0,5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Cálcio	1	100	mg/l Ca	---	<100	48	48	100	---	---	48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Chumbo	1	100	µg/l Pb	25	---	<2,0 (LQ)	<2,0 (LQ)	100	---	---	<2,0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Cianetos	1	100	µg/l CN	50	---	<10 (LQ)	<10 (LQ)	100	---	---	<10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Cloretos	1	100	mg/l	250	---	61	61	100	---	---	61	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Cobre	1	100	mg/l	2.0	---	<0,01 (LQ)	<0,01 (LQ)	100	---	---	<0,01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Carbono orgânico total (COT)	1	100	mg/l	---	SAA	2,6	2,6	100	---	---	2,6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Crómio	1	100	µg/l Cr	50	---	<10 (LQ)	<10 (LQ)	100	---	---	<10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Dureza total	1	100	mg/l CaCO3	---	---	170	170	100	---	---	170	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Enterococos	1	100	N/100 ml	0	---	0	0	100	---	---	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Ferro	1	100	µg/l Fe	200	---	25	<10 (LQ)	100	---	---	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Fluoretos	1	100	mg/l F	1,5	---	0,1	0,1	100	---	---	0,1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Hidrocarbonetos Aromáticos Policíclicos (HAP)	1	100	µg/l	0,1	---	<0,015 (LQ mais elevado)	<0,015 (LQ mais elevado)	100	---	---	<0,015	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Magnésio	1	100	mg/l	---	50	12	12	100	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Mercúrio	1	100	µg/l Hg	1	---	<0,3 (LQ)	<0,3 (LQ)	100	---	---	<0,3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Níquel	1	100	µg/l Ni	---	---	<2,0 (LQ)	<2,0 (LQ)	100	---	---	<2,0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Nitritos	1	100	mg/L NO2	0,5	---	<0,05 (LQ)	<0,05 (LQ)	100	---	---	<0,05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Selénio	1	100	µg/l Se	10	---	<1,0 (LQ)	<1,0 (LQ)	100	---	---	<1,0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Sódio	1	100	mg/l Na	200	---	33	33	100	---	---	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Linurão	1	100	µg/l	0,1	---	<0,05 (LQ)	<0,05 (LQ)	100	---	---	<0,05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Sulfatos	1	100	mg/l SO4	250	---	70	70	100	---	---	70	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Terbutilazina	1	100	µg/l	0,1	---	<0,05 (LQ)	<0,05 (LQ)	100	---	---	<0,05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Tetracloroeteno	1	100	µg/l	---	---	3,3	3,3	100	---	---	3,3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Desetilterbutilazina	1	100	µg/l	0,1	---	<0,05 (LQ)	<0,05 (LQ)	100	---	---	<0,05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Tricloroeteno	1	100	µg/l	---	---	<1,0 (LQ)	<1,0 (LQ)	100	---	---	<1,0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Trihalometanos Total	1	100	µg/l	100	---	57	57	100	---	---	57	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Clorofórmio	1	100	µg/l	---	---	14	14	100	---	---	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Bromofórmio	1	100	µg/l	---	---	13	13	100	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Bromodiclorometano	1	100	µg/l	---	---	10	10	100	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Dibromoclorometano	1	100	µg/l	---	---	20	20	100	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	TOTAL	246																									

Legenda

> Valor superior ao Limite de Quantificação
< Valor inferior ao Limite de Quantificação
Abc Valor superior ao limite permitido por lei (valor paramétrico)
Abc Valor superior / inferior ao recomendado por lei (parâmetros indicadores)

1 Valor inferior ao Limite de Detecção
2 Sem alteração anormal
3 Parâmetros não obrigatórios

4 Somatório das espécies (a)
5 Somatório das espécies (b)
6 Somatório das 2 espécies

7 Somatório das espécies (c)
8 Somatório das espécies (d)

Metodologia de averiguação de causas relativas a incumprimentos:
Não se registaram incumprimentos.

Causas relativas a incumprimentos:
Não se registaram incumprimentos.

Medidas corretivas implementadas:
Não se registaram incumprimentos.

Observações:

Os valores a laranja referentes a Cloro Residual Livre não representam incumprimentos mas sim desvios ao valor recomendado (indicador) para o parâmetro.

O valor **inferior** ao Valor Recomendado, obtido no dia 16 de julho na ZA1 **não é concordante** com o valor de **0,3 mg/l CL** obtido no mesmo dia no ponto de Controlo Operacional Externo. (5A_São Marcos)

O Diretor Delegado
João Vilhena Raminhos

Técnico Responsável
Márcia Reis

Data Emissão: 13-11-2014 09:05