

| CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO                                                                                                                                                                                                                                                      |                                                 |                 |        |                               |                        |                         | EDITAL n.º 17 SSCM                           |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------|--------|-------------------------------|------------------------|-------------------------|----------------------------------------------|-----------------------------|
| 1) ZONA SUL CM-Pombal                                                                                                                                                                                                                                                                                  |                                                 |                 |        |                               |                        |                         | 1º TRIMESTRE 2022<br>(01 Janeiro a 31 Março) |                             |
| Em conformidade com o Decreto-Lei n.º 152 de 2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR). |                                                 |                 |        |                               |                        |                         |                                              |                             |
| Parâmetro (unidades)                                                                                                                                                                                                                                                                                   | Valor Paramétrico (VP)<br>fixado no DL 152/2017 | Valores obtidos |        | N.º Análises<br>superiores VP | % Cumprimento<br>do VP | N.º Análises (4) (PCQA) |                                              | %<br>Análises<br>Realizadas |
|                                                                                                                                                                                                                                                                                                        |                                                 | Mínimo          | Máximo |                               |                        | Agendadas               | Realizadas                                   |                             |
| <i>Escherichia coli</i> (N/100 ml)                                                                                                                                                                                                                                                                     | 0                                               | 0               | 0      | 0                             | 100%                   | 2                       | 2                                            | 100%                        |
| Bactérias coliformes (N/100 ml)                                                                                                                                                                                                                                                                        | 0                                               | 0               | 0      | 0                             | 100%                   | 2                       | 2                                            | 100%                        |
| Desinfetante residual (mg/L)                                                                                                                                                                                                                                                                           | ---                                             | 0               | 0,58   | ---                           | ---                    | 2                       | 2                                            | 100%                        |
| Alumínio (µg/L Al)                                                                                                                                                                                                                                                                                     | 200                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Amónio (mg/L NH <sub>4</sub> )                                                                                                                                                                                                                                                                         | 0,50                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Número de colónias a 22 °C (N/ml)                                                                                                                                                                                                                                                                      | Sem alteração anormal                           | 0               | 0      | ---                           | ---                    | 1                       | 1                                            | 100%                        |
| Número de colónias a 37 °C (N/ml)                                                                                                                                                                                                                                                                      | Sem alteração anormal                           | 0               | 0      | ---                           | ---                    | 1                       | 1                                            | 100%                        |
| Condutividade (µS/cm a 20°C)                                                                                                                                                                                                                                                                           | 2500                                            | 0               | 177    | 0                             | ---                    | 1                       | 1                                            | 100%                        |
| <i>Clostridium perfringens</i> (N/100 ml) <sup>2</sup>                                                                                                                                                                                                                                                 | 0                                               | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Cor (mg/L PtCo)                                                                                                                                                                                                                                                                                        | 20                                              | 0               | 6      | 0                             | 100%                   | 1                       | 1                                            | 100%                        |
| pH (Unidades pH)                                                                                                                                                                                                                                                                                       | ≥6,5 e ≤9,5                                     | 0               | 0      | 0                             | 100%                   | 1                       | 1                                            | 100%                        |
| Manganês (µg/L Mn)                                                                                                                                                                                                                                                                                     | 50                                              | 0               | 10     | 0                             | 100%                   | 1                       | 1                                            | 100%                        |
| Nitratos (mg/L NO <sub>3</sub> )                                                                                                                                                                                                                                                                       | 50                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Oxidabilidade (mg/L O <sub>2</sub> )                                                                                                                                                                                                                                                                   | 5                                               | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Cheiro a 25°C (Factor de diluição)                                                                                                                                                                                                                                                                     | 3                                               | 0               | 1      | 0                             | 100%                   | 1                       | 1                                            | 100%                        |
| Sabor a 25°C (Factor de diluição)                                                                                                                                                                                                                                                                      | 3                                               | 0               | 1      | 0                             | 100%                   | 1                       | 1                                            | 100%                        |
| Turvação (NTU)                                                                                                                                                                                                                                                                                         | 4                                               | 0               | 0,8    | 0                             | 100%                   | 1                       | 1                                            | 100%                        |
| Antimónio (µg/L Sb)                                                                                                                                                                                                                                                                                    | 5                                               | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Arsénio (µg/L As)                                                                                                                                                                                                                                                                                      | 10                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Benzeno (µg/L)                                                                                                                                                                                                                                                                                         | 1,0                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Benzo(a)pireno (µg/L)                                                                                                                                                                                                                                                                                  | 0,01                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Boro (mg/L B)                                                                                                                                                                                                                                                                                          | 1,0                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Bromatos (µg/L BrO <sub>3</sub> )                                                                                                                                                                                                                                                                      | 10                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Cádmio (µg/L Cd)                                                                                                                                                                                                                                                                                       | 5,0                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Cálcio (mg/L Ca)                                                                                                                                                                                                                                                                                       | ---                                             | 0               | 15     | ---                           | ---                    | 1                       | 1                                            | 100%                        |
| Chumbo (µg/L Pb)                                                                                                                                                                                                                                                                                       | 10                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Cianetos (µg/L CN)                                                                                                                                                                                                                                                                                     | 50                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| <i>Clostridium perfringens</i> (N/100ml) <sup>3</sup>                                                                                                                                                                                                                                                  | 0                                               | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Cobre (mg/L Cu)                                                                                                                                                                                                                                                                                        | 2,0                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Crómio (µg/L Cr)                                                                                                                                                                                                                                                                                       | 50                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| 1,2 – dicloroetano (µg/L)                                                                                                                                                                                                                                                                              | 3,0                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Dureza total (mg/L CaCO <sub>3</sub> )                                                                                                                                                                                                                                                                 | ---                                             | 0               | 50     | ---                           | 100%                   | 1                       | 1                                            | 100%                        |
| Enterococos (N/100 mL)                                                                                                                                                                                                                                                                                 | 0                                               | 0               | 0      | 0                             | ---                    | 1                       | 1                                            | 100%                        |
| Ferro (µg/L Fe)                                                                                                                                                                                                                                                                                        | 200                                             | 0               | 40     | 0                             | ---                    | 1                       | 1                                            | 100%                        |
| Fluoretos (mg/L F)                                                                                                                                                                                                                                                                                     | 1,5                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Magnésio (mg/L Mg)                                                                                                                                                                                                                                                                                     | ---                                             | 0               | 2      | ---                           | 100%                   | 1                       | 1                                            | 100%                        |
| Mercurio (µg/L Hg)                                                                                                                                                                                                                                                                                     | 1                                               | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Níquel (µg/L Ni)                                                                                                                                                                                                                                                                                       | 20                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Nitritos (mg/L NO <sub>2</sub> )                                                                                                                                                                                                                                                                       | 0,5                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Selénio (µg/L Se)                                                                                                                                                                                                                                                                                      | 10                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Cloretos (mg/L Cl)                                                                                                                                                                                                                                                                                     | 250                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Sódio (mg/L Na)                                                                                                                                                                                                                                                                                        | 200                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Sulfatos (mg/L SO <sub>4</sub> )                                                                                                                                                                                                                                                                       | 250                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Tetracloroetano e Tricloroetano (µg/L):                                                                                                                                                                                                                                                                | 10                                              | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Tetracloroetano(µg/L)                                                                                                                                                                                                                                                                                  | ---                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Tricloroetano(µg/L)                                                                                                                                                                                                                                                                                    | ---                                             | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| 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)                                                                                                                                                                                                                                                                              | 0,50                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Alacloro (µg/L)                                                                                                                                                                                                                                                                                        | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Bentazona (µg/L)                                                                                                                                                                                                                                                                                       | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Clorpirifos (µg/L)                                                                                                                                                                                                                                                                                     | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Terbutilazina (µg/L)                                                                                                                                                                                                                                                                                   | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Desetilterbutilazina (µg/L)                                                                                                                                                                                                                                                                            | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Diurão (µg/L)                                                                                                                                                                                                                                                                                          | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Imidaclopride (µg/L)                                                                                                                                                                                                                                                                                   | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Terbutilazina (µg/L)                                                                                                                                                                                                                                                                                   | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |
| Tebuconazol (µg/L)                                                                                                                                                                                                                                                                                     | 0,10                                            | ---             | ---    | ---                           | ---                    | ---                     | ---                                          | ---                         |

NOTA 1: Edital referente à ZONA SUL CM-Pombal.

NOTA 2: Zonas de abastecimento controladas: sistemas urbano, norte e sul. NOTA 3: Realização nos sistemas urbano e sul. NOTA 4: N.º de análises, em 2019, efetuou-se a transferência dos parâmetros de Cl para CR2, com base no critério A, do Dec-Lei 152 de 7 de dezembro de 2017.

OBSERVAÇÕES: I.q.: limite de quantificação; quando o resultado (pesticidas, compostos orgânicos voláteis, haletos de alquila e hidrocarbonetos aromáticos policíclicos) corresponde a uma soma de valores abaixo do limite de quantificação o resultado é apresentado através do I.q. mais elevado; quando o resultado (pesticidas, compostos orgânicos voláteis, haletos de alquila e hidrocarbonetos aromáticos policíclicos) é obtido pela soma de resultados individuais em que pelo menos uma das parcelas é quantificável o resultado é apresentado como a soma dos valores quantificados, ignorando as parcelas inferiores ao I.q.

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

Não foram detetados incumprimentos no 1.º trimestre de 2022.

O Director Geral:

