

| ENTIDADE GESTORA:<br>MUNICÍPIO de ARGANIL       |                                                 | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO<br>NA ZONA DE ABASTECIMENTO RELVA VELHA |        |                               |                        | 2º TRIMESTRE 2018<br>01 Abril a 30 Junho |            |                          |
|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------|--------|-------------------------------|------------------------|------------------------------------------|------------|--------------------------|
| Parâmetro (unidades)                            | Valor Paramétrico (VP)<br>fixado no DL 306/2007 | Valores obtidos                                                                           |        | N.º Análises<br>superiores VP | % Cumprimento<br>do VP | N.º Análises (PCQA)                      |            | % Análises<br>Realizadas |
|                                                 |                                                 | Mínimo                                                                                    | Máximo |                               |                        | Agendadas                                | Realizadas |                          |
| <i>Escherichia coli</i> (N/100 ml)              | 0                                               | 0                                                                                         | 0      | 0                             | 100%                   | 1                                        | 1          | 100%                     |
| Bactérias coliformes (N/100 ml)                 | 0                                               | 0                                                                                         | 0      | 0                             | 100%                   | 1                                        | 1          | 100%                     |
| Desinfetante residual (mg/L)                    | ---                                             | 0,5                                                                                       | 0,5    | 0                             | ---                    | 1                                        | 1          | ---                      |
| 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                           | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Número de colónias a 37 °C (N/ml)               | Sem alteração anormal                           | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Condutividade (µS/cm a 20°C)                    | 2500                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| <i>Clostridium perfringens</i> (N/100ml)        | 0                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Cor (mg/L PtCo)                                 | 20                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| pH (Unidades pH)                                | ≥6.5 e ≤9                                       | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Ferro (µg/L Fe)                                 | 200                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Manganês (µg/L Mn)                              | 50                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Nitratos <sup>-</sup> (mg/L NO <sub>3</sub> )   | 50                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Nitritos (mg/L NO <sub>2</sub> )                | 0,5                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Oxidabilidade (mg/L O <sub>2</sub> )            | 5                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Cheiro a 25°C (Factor de diluição)              | 3                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Sabor a 25°C (Factor de diluição)               | 3                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Turvação (NTU)                                  | 4                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Antimónio (µg/L Sb)                             | 5                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Arsénio (µg/L As)                               | 10                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Benzeno (µg/L)                                  | 1,0                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Benzo(a)pireno (µg/L)                           | 0,010                                           | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Boro (mg/L B)                                   | 1,0                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Bromatos (µg/L BrO <sub>3</sub> )               | 10                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Cádmio (µg/L Cd)                                | 5,0                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Cálcio (mg/L Ca)                                | ---                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Chumbo (µg/L Pb)                                | 25                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Cianetos (µg/L CN)                              | 50                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| 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> )          | ---                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Enterococos (N/100 mL)                          | 0                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Fluoretos (mg/L F)                              | 1,5                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Magnésio (mg/L Mg)                              | ---                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Merúrio (µg/L Hg)                               | 1                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Níquel (µg/L Ni)                                | 20                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Selénio (µg/L Se)                               | 10                                              | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Cloretos (mg/L Cl)                              | 250                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Sódio (mg/L Na)                                 | 200                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Sulfatos (mg/L SO <sub>4</sub> )                | 250                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Acetilaminado(µg/L)                             | 0,10                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Epilcloridrina(µg/ L)                           | 0,10                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Cloreto de Vinilo(µg/L)                         | 0,50                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Trítio(Bq/ L)                                   | 100                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Radão (Bq/ L)                                   | 500                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Alpha total(Bq/ L)                              | 0,1                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Beta Total(Bq/ L)                               | 1                                               | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Dose Indicativa Total (mSv/yr)                  | 0,1                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Carbono Orgânico Total (mg/L C)                 | Sem alteração anormal                           | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| 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)                               | ---                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Bromodichlorometano(µg/L)                       | ---                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Dibromoclorometano(µg/L)                        | ---                                             | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Pesticidas – total (µg/L)                       | 0,50                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Desetil-terbutilazina (µg/L)                    | 0,10                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Terbutilazina (µg/L)                            | 0,10                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |
| Diurão(µg/L)                                    | 0,10                                            | ---                                                                                       | ---    | ---                           | ---                    | ---                                      | ---        | ---                      |

**Notas:**

V.P.- Valor Paramétrico estabelecido no D. L. n.º 306/07, alterado pelo D.L. n.º152/17 de 7/12/2017

N.D. - Não Detectado

L.Q. - Limite de Quantificação



| <b>Cronograma das recolhas efetuadas</b> |                           |                  |
|------------------------------------------|---------------------------|------------------|
| <b>Data</b>                              | <b>Local</b>              | <b>Parâmetro</b> |
| 09/05/2018                               | Fontanário da Rua da Eira | R1               |