

| ENTIDADE GESTORA:<br>MUNICÍPIO de ARGANIL       |   | CONTROLO DA QUALIDADE DA ÁGUA PARA CONSUMO HUMANO<br>NA ZONA DE ABASTECIMENTO LOMBA |        |                               |                        |                     | 4º TRIMESTRE 2017<br>01 Outubro a 31<br>Dezembro |                          |
|---|---|---|--------|-------------------------------|------------------------|---------------------|--|--------------------------|
| 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)                    | ---   | 0,2   | 0,2    | 0                             | ---                    | 1                   | 1  | ---                      |
| Alumínio (µg/L Al)                              | 200   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Amónio (mg/L NH <sub>4</sub> )                  | 0,50  | <0,02   | 0,02   | 0                             | 100%                   | 1                   | 1  | 100%                     |
| 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  | 120   | 120    | 0                             | 100%                   | 1                   | 1  | 100%                     |
| <i>Clostridium perfringens</i> (N/100ml)        | 0   | 0   | 0      | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Cor (mg/L PtCo)                                 | 20  | 2,2   | 2,2    | 0                             | 100%                   | 1                   | 1  | 100%                     |
| pH (Unidades pH)                                | ≥6.5 e ≤9                                       | 7,3   | 7,3    | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Ferro (µg/L Fe)                                 | 200   | <50   | <50    | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Manganês (µg/L Mn)                              | 50  | <15   | <15    | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Nitratos <sup>-</sup> (mg/L NO <sub>3</sub> )   | 50  | <10   | <10    | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Nitritos (mg/L NO <sub>2</sub> )                | 0,5   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Oxidabilidade (mg/L O <sub>2</sub> )            | 5   | <1,0  | <1,0   | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Cheiro a 25°C (Factor de diluição)              | 3   | <1  | <1     | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Sabor a 25°C (Factor de diluição)               | 3   | <1  | <1     | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Turvação (NTU)                                  | 4   | <0,50   | <0,50  | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Antimónio (µg/L Sb)                             | 5   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Arsénio (µg/L As)                               | 10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Benzeno (µg/L)                                  | 1,0   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Benzo(a)pireno (µg/L)                           | 0,010   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Boro (mg/L B)                                   | 1,0   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Bromatos (µg/L BrO <sub>3</sub> )               | 10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Cádmio (µg/L Cd)                                | 5,0   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Cálcio (mg/L Ca)                                | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Chumbo (µg/L Pb)                                | 25  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Cianetos (µg/L CN)                              | 50  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Cobre (mg/L Cu)                                 | 2,0   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Crómio (µg/L Cr)                                | 50  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| 1,2 – dicloroetano (µg/L)                       | 3,0   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Dureza total (mg/L CaCO <sub>3</sub> )          | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Enterococos (N/100 mL)                          | 0   | 0   | 0      | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Fluoretos (mg/L F)                              | 1,5   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Magnésio (mg/L Mg)                              | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Merúrio (µg/L Hg)                               | 1   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Níquel (µg/L Ni)                                | 20  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Selénio (µg/L Se)                               | 10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Cloretos (mg/L Cl)                              | 250   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Sódio (mg/L Na)                                 | 200   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Sulfatos (mg/L SO <sub>4</sub> )                | 250   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Acetilamida(µg/L)                               | 0,10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Epilcloridrina(µg/L)                            | 0,10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Cloreto de Vinilo(µg/L)                         | 0,50  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Trítio(Bq/L)                                    | 100   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Radão (Bq/L)                                    | 500   | <10,0   | <10,0  | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Alpha total(Bq/L)                               | 0,1   | <0,04   | <0,04  | 0                             | 100%                   | 1                   | 1  | 100%                     |
| Beta Total(Bq/L)                                | 1   | <0,10   | <0,10  | ---                           | ---                    | 1                   | 1  | 100%                     |
| Dose Indicativa Total (mSv/yr)                  | 0,1   | <0,10   | <0,10  | ---                           | ---                    | 1                   | 1  | 100%                     |
| Carbono Orgânico Total (mg/L C)                 | Sem alteração anormal                           | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Tetracloroetano e Tricloroetano (µg/L):         | 10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Tetracloroetano(µg/L)                           | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Tricloroetano(µg/L)                             | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Hidrocarbonetos Aromáticos Policíclicos (µg/L): | 0,10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Benzo(b)fluoranteno (µg/L)                      | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Benzo(k)fluoranteno (µg/L)                      | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Benzo(ghi)perileno (µg/L)                       | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Indeno(1,2,3-cd)pireno(µg/L)                    | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Trihalometanos - total (µg/L):                  | 100   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Clorofórmio(µg/L)                               | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Bromofórmio(µg/L)                               | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Bromodichlorometano(µg/L)                       | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Dibromoclorometano(µg/L)                        | ---   | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Pesticidas – total (µg/L)                       | 0,50  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Desetil-terbutilazina (µg/L)                    | 0,10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Terbutilazina (µg/L)                            | 0,10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |
| Diurão(µg/L)                                    | 0,10  | ---   | ---    | ---                           | ---                    | 0                   | 0  | ---                      |

**Notas:**

V.P.- Valor Paramétrico estabelecido no D. L. n.º 306/07.

N.D. - Não Detectado

L.Q. - Limite de Quantificação



| <b>Cronograma das recolhas efetuadas</b> |              |                  |
|--|--------------|------------------|
| <b>Data</b>                              | <b>Local</b> | <b>Parâmetro</b> |
| 15/11/2017                               | Café Barata  | R1+R2+CI         |