

MATRIZ: AGUA SUBTERRÁNEA

| PROCEDENCIA                         |              | LA PAZ                               | LA PAZ   | ANEXO 1.2 - C.C.         |
|-------------------------------------|--------------|--------------------------------------|--|--------------------------|
| IDENTIFICACION                      |              | P 13-LA PAZ                          | P 14-LA PAZ  | AGUA POTABLE             |
| PUNTO DE EXTRACCION                 |              | Pº Nº 2<br>ESTABLECIMIENTO<br>O.S.M. | Pº Nº 3 VILLA AMELIA Y<br>RUTA Nº 50 -PREDIO<br>EMSE | LIMITE MÁXIMO            |
| NUMERO DE ANALISIS                  |              | 10869                                | 10870  | ----                     |
| FECHA DE EXTRACCION                 |              | 16/11/2022                           | 16/11/2022   | ----                     |
| Color                               | UCV          | <2                                   | <2   | ≤15 (Recomendado 8)      |
| Turbiedad                           | UNT          | 0.1                                  | 0.3  | ≤2 (Recomendado <1)      |
| Olor                                |              | N                                    | N  | Sin olores extraños      |
| pH                                  | U de pH      | 7.3                                  | 7.2  | 6.5<pH<8.5               |
| Cloro libre residual in situ        | mg/l         | -----                                | -----  | ≥0.20 y ≤2.00            |
| Cloro libre residual en lab.        | mg/l         | -----                                | -----  | -----                    |
| Conductiv. Espec. 25°C              | µmho/cm      | 2230                                 | 2250   | ≤2500 (Recomendado 1600) |
| Dureza Total (CO3Ca)                | mg/l         | 746                                  | 724  | ≤500                     |
| Alcalinidad (CO3Ca)                 | mg/l         | 113                                  | 127  | -----                    |
| Cloruros (Cl)                       | mg/l         | 226                                  | 174  | ≤400 (Recomendado 250)   |
| Sulfatos (SO4 <sup>2-</sup> )       | mg/l         | 807                                  | 896  | ≤400 (Recomendado 250)   |
| Nitratos (NO3 <sup>-</sup> )        | mg/l         | 1.0                                  | 2.4  | ≤45                      |
| Nitritos (NO2 <sup>-</sup> )        | mg/l         | <0.03                                | <0.03  | ≤3                       |
| Amonio (NH4 <sup>+</sup> )          | mg/l         | <0.05                                | <0.05  | ≤0.20                    |
| Calcio (Ca <sup>++</sup> )          | mg/l         | 250                                  | 244  | -----                    |
| Magnesio (Mg <sup>++</sup> )        | mg/l         | 29                                   | 28   | -----                    |
| Flúor (F)                           | mg/l         | 0.9                                  | 0.8  | ≤1.5                     |
| Boro (B)                            | mg/l         | 0.3                                  | 0.4  | ≤0.3                     |
| Cianuro (CN <sup>-</sup> )          | mg/l         | <0.05                                | <0.05  | ≤0.07                    |
| Sodio (Na <sup>+</sup> )            | mg/l         | 228                                  | 252  | ≤200                     |
| Potasio (K <sup>+</sup> )           | mg/l         | 14                                   | 14   | -----                    |
| Arsénico (As)                       | mg/l         | 0.026                                | 0.027  | ≤0.05                    |
| Hierro (Fe)                         | mg/l         | <0.05                                | <0.05  | ≤0.20 (Recomendado 0.1)  |
| Cromo (Cr)                          | mg/l         | <0.010                               | <0.010   | ≤0.05                    |
| Cadmio (Cd)                         | mg/l         | <0.001                               | <0.001   | ≤0.003                   |
| Plomo (Pb)                          | mg/l         | <0.010                               | <0.010   | ≤0.01                    |
| Cobre (Cu)                          | mg/l         | <0.01                                | <0.01  | ≤1.0                     |
| Cinc (Zn)                           | mg/l         | <0.01                                | 0.01   | ≤3.0                     |
| Manganeso (Mn)                      | mg/l         | 0.02                                 | 0.02   | ≤0.1                     |
| Selenio (Se)                        | mg/l         | <0.005                               | <0.005   | ≤0.01                    |
| Plata (Ag)                          | mg/l         | <0.01                                | <0.01  | ≤0.05                    |
| Mercurio (Hg)                       | mg/l         | <0.001                               | <0.001   | ≤0.001                   |
| Aluminio (Al)                       | mg/l         | <0.2                                 | <0.2   | ≤0.2                     |
| Bario (Ba)                          | mg/l         | <0.7                                 | <0.7   | ≤0.7                     |
| Cloruro de Vinilo                   | µg/l         | <1.0                                 | <1.0   | ≤5                       |
| 1.1-Dicloroetano                    | µg/l         | <0.3                                 | <0.3   | ≤30                      |
| Diclorometano                       | µg/l         | <0.3                                 | <0.3   | ≤20                      |
| 1.2-Dicloroetano                    | µg/l         | <0.3                                 | <0.3   | ≤50                      |
| Cloroformo                          | µg/l         | <1.0                                 | <1.0   | ≤200                     |
| 1.1.1-Tricloroetano                 | µg/l         | <0.5                                 | <0.5   | ≤2000                    |
| 1.2-Dicloroetano                    | µg/l         | <1.0                                 | <1.0   | ≤30                      |
| Benceno                             | µg/l         | <2.0                                 | <2.0   | ≤10                      |
| Tetracloruro de Carbono             | µg/l         | <0.5                                 | <0.5   | ≤2                       |
| Tricloroetano                       | µg/l         | <0.5                                 | <0.5   | ≤70                      |
| Bromodichlorometano                 | µg/l         | <1.0                                 | <1.0   | ≤60                      |
| Tolueno                             | µg/l         | <5.0                                 | <5.0   | ≤700                     |
| Dibromoclorometano                  | µg/l         | <1.0                                 | <1.0   | ≤100                     |
| Tetracloroetano                     | µg/l         | <0.5                                 | <0.5   | ≤40                      |
| Monoclorobenceno                    | µg/l         | <2.0                                 | <2.0   | ≤300                     |
| Etilbenceno                         | µg/l         | <5.0                                 | <5.0   | ≤300                     |
| Xilenos                             | µg/l         | <5.0                                 | <5.0   | ≤500                     |
| Bromoformo                          | µg/l         | <1.0                                 | <1.0   | ≤100                     |
| Estireno                            | µg/l         | <5.0                                 | <5.0   | ≤20                      |
| 1.4-Diclorobenceno                  | µg/l         | <0.2                                 | <0.2   | ≤300                     |
| 1.2-Diclorobenceno                  | µg/l         | <0.3                                 | <0.3   | ≤1000                    |
| Triclorobencenos                    | µg/l         | <1.0                                 | <1.0   | ≤20                      |
| Trihalometanos (Suma de fracciones) |              | <0.04                                | <0.04  | ≤1                       |
| 2,4,6-Triclorofenol                 | µg/l         | <1.0                                 | <1.0   | ≤200                     |
| 2,4-D (ac. 2,4-diclorofenoxiacét.)  | µg/l         | <5.0                                 | <5.0   | ≤30                      |
| Hexaclorobenceno                    | µg/l         | <0.6                                 | <0.6   | ≤1                       |
| Pentaclorofenol                     | µg/l         | <2.0                                 | <2.0   | ≤9                       |
| Metil Paratión                      | µg/l         | <1.0                                 | <1.0   | ≤7                       |
| Lindano (γ-HCH)                     | µg/l         | <1.0                                 | <1.0   | ≤2                       |
| Heptacloro y Heptacloro epóxido     | µg/l         | <0.2                                 | <0.2   | ≤0.03                    |
| Malatión                            | µg/l         | <1.0                                 | <1.0   | ≤190                     |
| Paratión                            | µg/l         | <1.0                                 | <1.0   | ≤35                      |
| Aldrin y Dieldrin                   | µg/l         | <0.1                                 | <0.1   | ≤0.03                    |
| Clordano (Isómeros totales)         | µg/l         | <0.2                                 | <0.2   | ≤0.2                     |
| DDT (Isómeros totales)              | µg/l         | <1.0                                 | <1.0   | ≤2                       |
| Metoxicloro                         | µg/l         | <1.0                                 | <1.0   | ≤20                      |
| Benzo(a)pireno                      | µg/l         | <1.0                                 | <1.0   | ≤0.7                     |
| Fenoles                             | µg/l C6H5OH  | <1.0                                 | <1.0   | ≤1                       |
| Hidrocarburos Totales               | µg/l         | <5.0                                 | <5.0   | ≤500                     |
| Bact. aerobias mesóf. totales       | u.f.c./ml.   | <1                                   | <1   | ≤100                     |
| Bact. coliformes totales            | u.f.c./100ml | <1                                   | <1   | ≤2                       |
| <i>Escherichia coli</i>             | u.f.c./100ml | <1                                   | <1   | ≤2                       |
| <i>Pseudomonas aeruginosa</i>       | u.f.c./100ml | <1                                   | <1   | Ausencia                 |

Referencias: N: Normal - ND: No Detectado

MATRIZ: AGUA SUBTERRÁNEA

| PROCEDENCIA                         |              | LA PAZ                           | LA PAZ   | ANEXO 1.2 - C.C.         |
|-------------------------------------|--------------|----------------------------------|--|--------------------------|
| IDENTIFICACION                      |              | P 16-LA PAZ                      | P137-LA PAZ  | AGUA POTABLE             |
| PUNTO DE EXTRACCION                 |              | Pº Nº 6 VILLA AMELIA Y RUTA Nº 7 | Pº Nº 8 BORCETTO CALLE DEL CANAL Y CALLEJÓN MARAVILLA S/Nº LAS | LIMITE MÁXIMO            |
| NUMERO DE ANALISIS                  |              | 10871                            | 10872  | ----                     |
| FECHA DE EXTRACCION                 |              | 16/11/2022                       | 16/11/2022   | ----                     |
| Color                               | UCV          | <2                               | <2   | ≤15 (Recomendado 8)      |
| Turbiedad                           | UNT          | 0.4                              | 0.2  | ≤2 (Recomendado <1)      |
| Olor                                |              | N                                | N  | Sin olores extraños      |
| pH                                  | U de pH      | 7.5                              | 7.3  | 6.5<pH<8.5               |
| Cloro libre residual in situ        | mg/l         | -----                            | -----  | ≥0.20 y ≤2.00            |
| Cloro libre residual en lab.        | mg/l         | -----                            | -----  | -----                    |
| Conductiv. Espec. 25°C              | µmho/cm      | 2070                             | 1780   | ≤2500 (Recomendado 1600) |
| Dureza Total (CO3Ca)                | mg/l         | 550                              | 689  | ≤500                     |
| Alcalinidad (CO3Ca)                 | mg/l         | 79                               | 133  | -----                    |
| Cloruros (Cl)                       | mg/l         | 174                              | 131  | ≤400 (Recomendado 250)   |
| Sulfatos (SO4 <sup>2-</sup> )       | mg/l         | 794                              | 690  | ≤400 (Recomendado 250)   |
| Nitratos (NO3 <sup>-</sup> )        | mg/l         | 2.0                              | 0.6  | ≤45                      |
| Nitritos (NO2 <sup>-</sup> )        | mg/l         | <0.03                            | <0.03  | ≤3                       |
| Amonio (NH4 <sup>+</sup> )          | mg/l         | <0.05                            | <0.05  | ≤0.20                    |
| Calcio (Ca <sup>++</sup> )          | mg/l         | 185                              | 227  | -----                    |
| Magnesio (Mg <sup>++</sup> )        | mg/l         | 21                               | 30   | -----                    |
| Flúor (F)                           | mg/l         | 1.0                              | 1.3  | ≤1.5                     |
| Boro (B)                            | mg/l         | 0.4                              | 0.2  | ≤0.3                     |
| Cianuro (CN <sup>-</sup> )          | mg/l         | <0.05                            | <0.05  | ≤0.07                    |
| Sodio (Na <sup>+</sup> )            | mg/l         | 267                              | 146  | ≤200                     |
| Potasio (K <sup>+</sup> )           | mg/l         | 13                               | 11   | -----                    |
| Arsénico (As)                       | mg/l         | 0.038                            | 0.032  | ≤0.05                    |
| Hierro (Fe)                         | mg/l         | 0.13                             | <0.05  | ≤0.20 (Recomendado 0.1)  |
| Cromo (Cr)                          | mg/l         | <0.010                           | <0.010   | ≤0.05                    |
| Cadmio (Cd)                         | mg/l         | <0.001                           | <0.001   | ≤0.003                   |
| Plomo (Pb)                          | mg/l         | <0.010                           | <0.010   | ≤0.01                    |
| Cobre (Cu)                          | mg/l         | <0.01                            | <0.01  | ≤1.0                     |
| Cinc (Zn)                           | mg/l         | <0.01                            | <0.01  | ≤3.0                     |
| Manganeso (Mn)                      | mg/l         | 0.02                             | <0.01  | ≤0.1                     |
| Selenio (Se)                        | mg/l         | <0.005                           | <0.005   | ≤0.01                    |
| Plata (Ag)                          | mg/l         | <0.01                            | <0.01  | ≤0.05                    |
| Mercurio (Hg)                       | mg/l         | <0.001                           | <0.001   | ≤0.001                   |
| Aluminio (Al)                       | mg/l         | <0.2                             | <0.2   | ≤0.2                     |
| Bario (Ba)                          | mg/l         | <0.7                             | <0.7   | ≤0.7                     |
| Cloruro de Vinilo                   | µg/l         | <1.0                             | <1.0   | ≤5                       |
| 1.1-Dicloroetano                    | µg/l         | <0.3                             | <0.3   | ≤30                      |
| Diclorometano                       | µg/l         | <0.3                             | <0.3   | ≤20                      |
| 1.2-Dicloroetano                    | µg/l         | <0.3                             | <0.3   | ≤50                      |
| Cloroformo                          | µg/l         | <1.0                             | <1.0   | ≤200                     |
| 1.1.1-Tricloroetano                 | µg/l         | <0.5                             | <0.5   | ≤2000                    |
| 1.2-Dicloroetano                    | µg/l         | <1.0                             | <1.0   | ≤30                      |
| Benceno                             | µg/l         | <2.0                             | <2.0   | ≤10                      |
| Tetracloruro de Carbono             | µg/l         | <0.5                             | <0.5   | ≤2                       |
| Tricloroetano                       | µg/l         | <0.5                             | <0.5   | ≤70                      |
| Bromodichlorometano                 | µg/l         | <1.0                             | <1.0   | ≤60                      |
| Tolueno                             | µg/l         | <5.0                             | <5.0   | ≤700                     |
| Dibromoclorometano                  | µg/l         | <1.0                             | <1.0   | ≤100                     |
| Tetracloroetano                     | µg/l         | <0.5                             | <0.5   | ≤40                      |
| Monoclorobenceno                    | µg/l         | <2.0                             | <2.0   | ≤300                     |
| Etilbenceno                         | µg/l         | <5.0                             | <5.0   | ≤300                     |
| Xilenos                             | µg/l         | <5.0                             | <5.0   | ≤500                     |
| Bromoformo                          | µg/l         | <1.0                             | <1.0   | ≤100                     |
| Estireno                            | µg/l         | <5.0                             | <5.0   | ≤20                      |
| 1.4-Diclorobenceno                  | µg/l         | <0.2                             | <0.2   | ≤300                     |
| 1.2-Diclorobenceno                  | µg/l         | <0.3                             | <0.3   | ≤1000                    |
| Triclorobencenos                    | µg/l         | <1.0                             | <1.0   | ≤20                      |
| Trihalometanos (Suma de fracciones) |              | <0.04                            | <0.04  | ≤1                       |
| 2,4,6-Triclorofenol                 | µg/l         | <1.0                             | <1.0   | ≤200                     |
| 2,4-D (ac. 2,4-diclorofenoxiacét.)  | µg/l         | <5.0                             | <5.0   | ≤30                      |
| Hexaclorobenceno                    | µg/l         | <0.6                             | <0.6   | ≤1                       |
| Pentaclorofenol                     | µg/l         | <2.0                             | <2.0   | ≤9                       |
| Metil Paratión                      | µg/l         | <1.0                             | <1.0   | ≤7                       |
| Lindano (γ-HCH)                     | µg/l         | <1.0                             | <1.0   | ≤2                       |
| Heptacloro y Heptacloro epóxido     | µg/l         | <0.2                             | <0.2   | ≤0.03                    |
| Malatión                            | µg/l         | <1.0                             | <1.0   | ≤190                     |
| Paratión                            | µg/l         | <1.0                             | <1.0   | ≤35                      |
| Aldrin y Dieldrin                   | µg/l         | <0.1                             | <0.1   | ≤0.03                    |
| Clordano (Isómeros totales)         | µg/l         | <0.2                             | <0.2   | ≤0.2                     |
| DDT (Isómeros totales)              | µg/l         | <1.0                             | <1.0   | ≤2                       |
| Metoxicloro                         | µg/l         | <1.0                             | <1.0   | ≤20                      |
| Benzo(a)pireno                      | µg/l         | <1.0                             | <1.0   | ≤0.7                     |
| Fenoles                             | µg/l C6H5OH  | <1.0                             | <1.0   | ≤1                       |
| Hidrocarburos Totales               | µg/l         | <5.0                             | <5.0   | ≤500                     |
| Bact. aerobias mesóf. totales       | u.f.c./ml.   | 30                               | <1   | ≤100                     |
| Bact. coliformes totales            | u.f.c./100ml | <1                               | <1   | ≤2                       |
| <i>Escherichia coli</i>             | u.f.c./100ml | <1                               | <1   | ≤2                       |
| <i>Pseudomonas aeruginosa</i>       | u.f.c./100ml | <1                               | <1   | Ausencia                 |

Referencias: N: Normal - ND: No Detectado

MATRIZ: AGUA SUBTERRÁNEA

| PROCEDENCIA                         |              | LA PAZ  | LA PAZ   | ANEXO 1.2 - C.C.         |
|-------------------------------------|--------------|---|--|--------------------------|
| IDENTIFICACION                      |              | P176-LA PAZ                                   | P 13-LA PAZ  | AGUA POTABLE             |
| PUNTO DE EXTRACCION                 |              | P <sup>o</sup> N <sup>o</sup> 9 LAS CHACRITAS | P <sup>o</sup> N <sup>o</sup> 2 ESTABLECIMIENTO O.S.M. | LIMITE MÁXIMO            |
| NUMERO DE ANALISIS                  |              | 10873   | 12426  | ----                     |
| FECHA DE EXTRACCION                 |              | 16/11/2022                                    | 15/11/2023   | ----                     |
| Color                               | UCV          | <2  | <2   | ≤15 (Recomendado 8)      |
| Turbiedad                           | UNT          | 0.1   | 0.1  | ≤2 (Recomendado <1)      |
| Olor                                |              | N   | N  | Sin olores extraños      |
| pH                                  | U de pH      | 7.7   | 7.2  | 6.5<pH<8.5               |
| Cloro libre residual in situ        | mg/l         | -----   | -----  | ≥0.20 y ≤2.00            |
| Cloro libre residual en lab.        | mg/l         | -----   | -----  | -----                    |
| Conductiv. Espec. 25°C              | µmho/cm      | 1410  | 2220   | ≤2500 (Recomendado 1600) |
| Dureza Total (CO3Ca)                | mg/l         | 376   | 776  | ≤500                     |
| Alcalinidad (CO3Ca)                 | mg/l         | 108   | 113  | -----                    |
| Cloruros (Cl)                       | mg/l         | 109   | 231  | ≤400 (Recomendado 250)   |
| Sulfatos (SO4 <sup>2-</sup> )       | mg/l         | 480   | 810  | ≤400 (Recomendado 250)   |
| Nitratos (NO3 <sup>-</sup> )        | mg/l         | <0.5  | 0.9  | ≤45                      |
| Nitritos (NO2 <sup>-</sup> )        | mg/l         | <0.03   | <0.03  | ≤3                       |
| Amonio (NH4 <sup>+</sup> )          | mg/l         | <0.05   | <0.05  | ≤0.20                    |
| Calcio (Ca <sup>++</sup> )          | mg/l         | 125   | 258  | -----                    |
| Magnesio (Mg <sup>++</sup> )        | mg/l         | 15  | 32   | -----                    |
| Flúor (F)                           | mg/l         | 0.8   | 0.8  | ≤1.5                     |
| Boro (B)                            | mg/l         | 0.2   | 0.3  | ≤0.3                     |
| Cianuro (CN <sup>-</sup> )          | mg/l         | <0.05   | <0.05  | ≤0.07                    |
| Sodio (Na <sup>+</sup> )            | mg/l         | 170   | 221  | ≤200                     |
| Potasio (K <sup>+</sup> )           | mg/l         | 12  | 17   | -----                    |
| Arsénico (As)                       | mg/l         | 0.026   | 0.029  | ≤0.05                    |
| Hierro (Fe)                         | mg/l         | 0.05  | <0.05  | ≤0.20 (Recomendado 0.1)  |
| Cromo (Cr)                          | mg/l         | <0.010  | <0.010   | ≤0.05                    |
| Cadmio (Cd)                         | mg/l         | <0.001  | <0.001   | ≤0.003                   |
| Plomo (Pb)                          | mg/l         | <0.010  | <0.010   | ≤0.01                    |
| Cobre (Cu)                          | mg/l         | <0.01   | <0.01  | ≤1.0                     |
| Cinc (Zn)                           | mg/l         | <0.01   | <0.01  | ≤3.0                     |
| Manganeso (Mn)                      | mg/l         | <0.01   | 0.02   | ≤0.1                     |
| Selenio (Se)                        | mg/l         | <0.005  | <0.005   | ≤0.01                    |
| Plata (Ag)                          | mg/l         | <0.01   | <0.01  | ≤0.05                    |
| Mercurio (Hg)                       | mg/l         | <0.001  | <0.001   | ≤0.001                   |
| Aluminio (Al)                       | mg/l         | <0.2  | <0.2   | ≤0.2                     |
| Bario (Ba)                          | mg/l         | <0.7  | <0.7   | ≤0.7                     |
| Cloruro de Vinilo                   | µg/l         | <1.0  | <1.0   | ≤5                       |
| 1.1-Dicloroetano                    | µg/l         | <0.3  | <0.3   | ≤30                      |
| Diclorometano                       | µg/l         | <0.3  | <0.3   | ≤20                      |
| 1.2-Dicloroetano                    | µg/l         | <0.3  | <0.3   | ≤50                      |
| Cloroformo                          | µg/l         | <1.0  | <1.0   | ≤200                     |
| 1.1.1-Tricloroetano                 | µg/l         | <0.5  | <0.5   | ≤2000                    |
| 1.2-Dicloroetano                    | µg/l         | <1.0  | <1.0   | ≤30                      |
| Benceno                             | µg/l         | <2.0  | <2.0   | ≤10                      |
| Tetracloruro de Carbono             | µg/l         | <0.5  | <0.5   | ≤2                       |
| Tricloroetano                       | µg/l         | <0.5  | <0.5   | ≤70                      |
| Bromodichlorometano                 | µg/l         | <1.0  | <1.0   | ≤60                      |
| Tolueno                             | µg/l         | <5.0  | <5.0   | ≤700                     |
| Dibromoclorometano                  | µg/l         | <1.0  | <1.0   | ≤100                     |
| Tetracloroetano                     | µg/l         | <0.5  | <0.5   | ≤40                      |
| Monoclorobenceno                    | µg/l         | <2.0  | <2.0   | ≤300                     |
| Etilbenceno                         | µg/l         | <5.0  | <5.0   | ≤300                     |
| Xilenos                             | µg/l         | <5.0  | <5.0   | ≤500                     |
| Bromoformo                          | µg/l         | <1.0  | <1.0   | ≤100                     |
| Estireno                            | µg/l         | <5.0  | <5.0   | ≤20                      |
| 1.4-Diclorobenceno                  | µg/l         | <0.2  | <0.2   | ≤300                     |
| 1.2-Diclorobenceno                  | µg/l         | <0.3  | <0.3   | ≤1000                    |
| Triclorobencenos                    | µg/l         | <1.0  | <1.0   | ≤20                      |
| Trihalometanos (Suma de fracciones) |              | <0.04   | <0.04  | ≤1                       |
| 2,4,6-Triclorofenol                 | µg/l         | <1.0  | <1.0   | ≤200                     |
| 2,4-D (ac. 2,4-diclorofenoxiacét.)  | µg/l         | <5.0  | <5.0   | ≤30                      |
| Hexaclorobenceno                    | µg/l         | <0.6  | <0.6   | ≤1                       |
| Pentaclorofenol                     | µg/l         | <2.0  | <2.0   | ≤9                       |
| Metil Paratión                      | µg/l         | <1.0  | <1.0   | ≤7                       |
| Lindano (γ-HCH)                     | µg/l         | <1.0  | <1.0   | ≤2                       |
| Heptacloro y Heptacloro epóxido     | µg/l         | <0.2  | <0.2   | ≤0.03                    |
| Malatión                            | µg/l         | <1.0  | <1.0   | ≤190                     |
| Paratión                            | µg/l         | <1.0  | <1.0   | ≤35                      |
| Aldrin y Dieldrin                   | µg/l         | <0.1  | <0.1   | ≤0.03                    |
| Clordano (Isómeros totales)         | µg/l         | <0.2  | <0.2   | ≤0.2                     |
| DDT (Isómeros totales)              | µg/l         | <1.0  | <1.0   | ≤2                       |
| Metoxicloro                         | µg/l         | <1.0  | <1.0   | ≤20                      |
| Benzo(a)pireno                      | µg/l         | <1.0  | <1.0   | ≤0.7                     |
| Fenoles                             | µg/l C6H5OH  | <1.0  | <1.0   | ≤1                       |
| Hidrocarburos Totales               | µg/l         | <5.0  | <5.0   | ≤500                     |
| Bact. aerobias mesóf. totales       | u.f.c./ml.   | <1  | <1   | ≤100                     |
| Bact. coliformes totales            | u.f.c./100ml | <1  | <1   | ≤2                       |
| <i>Escherichia coli</i>             | u.f.c./100ml | <1  | <1   | ≤2                       |
| <i>Pseudomonas aeruginosa</i>       | u.f.c./100ml | <1  | <1   | Ausencia                 |

Referencias: N: Normal - ND: No Detectado

MATRIZ: AGUA SUBTERRÁNEA

| PROCEDENCIA                         |              | LA PAZ   | LA PAZ                | ANEXO 1.2 - C.C.         |
|-------------------------------------|--------------|--|-----------------------|--------------------------|
| IDENTIFICACION                      |              | P137-LA PAZ  | P176-LA PAZ           | AGUA POTABLE             |
| PUNTO DE EXTRACCION                 |              | P° N° 8 BORCETTO CALLE DEL CANAL Y CALLEJÓN MARAVILLA S/N° LAS | P° N° 9 LAS CHACRITAS | LIMITE MÁXIMO            |
| NUMERO DE ANALISIS                  |              | 12428  | 12429                 | ----                     |
| FECHA DE EXTRACCION                 |              | 15/11/2023   | 15/11/2023            | ----                     |
| Color                               | UCV          | <2   | <2                    | ≤15 (Recomendado 8)      |
| Turbiedad                           | UNT          | 0.1  | 0.2                   | ≤2 (Recomendado <1)      |
| Olor                                |              | N  | N                     | Sin olores extraños      |
| pH                                  | U de pH      | 7.3  | 7.7                   | 6.5<pH<8.5               |
| Cloro libre residual in situ        | mg/l         | -----  | -----                 | ≥0.20 y ≤2.00            |
| Cloro libre residual en lab.        | mg/l         | -----  | -----                 | -----                    |
| Conductiv. Espec. 25°C              | µmho/cm      | 1780   | 1430                  | ≤2500 (Recomendado 1600) |
| Dureza Total (CO3Ca)                | mg/l         | 697  | 392                   | ≤500                     |
| Alcalinidad (CO3Ca)                 | mg/l         | 131  | 106                   | -----                    |
| Cloruros (Cl)                       | mg/l         | 131  | 109                   | ≤400 (Recomendado 250)   |
| Sulfatos (SO4 <sup>2-</sup> )       | mg/l         | 680  | 484                   | ≤400 (Recomendado 250)   |
| Nitratos (NO3 <sup>-</sup> )        | mg/l         | <0.5   | <0.5                  | ≤45                      |
| Nitritos (NO2 <sup>-</sup> )        | mg/l         | <0.03  | <0.03                 | ≤3                       |
| Amonio (NH4 <sup>+</sup> )          | mg/l         | <0.05  | <0.05                 | ≤0.20                    |
| Calcio (Ca <sup>++</sup> )          | mg/l         | 230  | 133                   | -----                    |
| Magnesio (Mg <sup>++</sup> )        | mg/l         | 30   | 14                    | -----                    |
| Flúor (F)                           | mg/l         | 1.2  | 0.9                   | ≤1.5                     |
| Boro (B)                            | mg/l         | <0.2   | 0.2                   | ≤0.3                     |
| Cianuro (CN <sup>-</sup> )          | mg/l         | <0.05  | <0.05                 | ≤0.07                    |
| Sodio (Na <sup>+</sup> )            | mg/l         | 140  | 164                   | ≤200                     |
| Potasio (K <sup>+</sup> )           | mg/l         | 12   | 14                    | -----                    |
| Arsénico (As)                       | mg/l         | 0.032  | 0.041                 | ≤0.05                    |
| Hierro (Fe)                         | mg/l         | 0.50   | <0.05                 | ≤0.20 (Recomendado 0.1)  |
| Cromo (Cr)                          | mg/l         | <0.010   | <0.010                | ≤0.05                    |
| Cadmio (Cd)                         | mg/l         | <0.001   | <0.001                | ≤0.003                   |
| Plomo (Pb)                          | mg/l         | <0.010   | <0.010                | ≤0.01                    |
| Cobre (Cu)                          | mg/l         | <0.01  | <0.01                 | ≤1.0                     |
| Cinc (Zn)                           | mg/l         | <0.01  | <0.01                 | ≤3.0                     |
| Manganeso (Mn)                      | mg/l         | <0.01  | <0.01                 | ≤0.1                     |
| Selenio (Se)                        | mg/l         | <0.005   | <0.005                | ≤0.01                    |
| Plata (Ag)                          | mg/l         | <0.01  | <0.01                 | ≤0.05                    |
| Mercurio (Hg)                       | mg/l         | <0.001   | <0.001                | ≤0.001                   |
| Aluminio (Al)                       | mg/l         | <0.2   | <0.2                  | ≤0.2                     |
| Bario (Ba)                          | mg/l         | <0.7   | <0.7                  | ≤0.7                     |
| Cloruro de Vinilo                   | µg/l         | <1.0   | <1.0                  | ≤5                       |
| 1.1-Dicloroetano                    | µg/l         | <0.3   | <0.3                  | ≤30                      |
| Diclorometano                       | µg/l         | <0.3   | <0.3                  | ≤20                      |
| 1.2-Dicloroetano                    | µg/l         | <0.3   | <0.3                  | ≤50                      |
| Cloroformo                          | µg/l         | <1.0   | <1.0                  | ≤200                     |
| 1.1.1-Tricloroetano                 | µg/l         | <0.5   | <0.5                  | ≤2000                    |
| 1.2-Dicloroetano                    | µg/l         | <1.0   | <1.0                  | ≤30                      |
| Benceno                             | µg/l         | <2.0   | <2.0                  | ≤10                      |
| Tetracloruro de Carbono             | µg/l         | <0.5   | <0.5                  | ≤2                       |
| Tricloroetano                       | µg/l         | <0.5   | <0.5                  | ≤70                      |
| Bromodichlorometano                 | µg/l         | <1.0   | <1.0                  | ≤60                      |
| Tolueno                             | µg/l         | <5.0   | <5.0                  | ≤700                     |
| Dibromoclorometano                  | µg/l         | <1.0   | <1.0                  | ≤100                     |
| Tetracloroetano                     | µg/l         | <0.5   | <0.5                  | ≤40                      |
| Monoclorobenceno                    | µg/l         | <2.0   | <2.0                  | ≤300                     |
| Etilbenceno                         | µg/l         | <5.0   | <5.0                  | ≤300                     |
| Xilenos                             | µg/l         | <5.0   | <5.0                  | ≤500                     |
| Bromoformo                          | µg/l         | <1.0   | <1.0                  | ≤100                     |
| Estireno                            | µg/l         | <5.0   | <5.0                  | ≤20                      |
| 1.4-Diclorobenceno                  | µg/l         | <0.2   | <0.2                  | ≤300                     |
| 1.2-Diclorobenceno                  | µg/l         | <0.3   | <0.3                  | ≤1000                    |
| Triclorobencenos                    | µg/l         | <1.0   | <1.0                  | ≤20                      |
| Trihalometanos (Suma de fracciones) |              | <0.04  | <0.04                 | ≤1                       |
| 2,4,6-Triclorofenol                 | µg/l         | <1.0   | <1.0                  | ≤200                     |
| 2,4-D (ac. 2,4-diclorofenoxiacét.)  | µg/l         | <5.0   | <5.0                  | ≤30                      |
| Hexaclorobenceno                    | µg/l         | <0.6   | <0.6                  | ≤1                       |
| Pentaclorofenol                     | µg/l         | <2.0   | <2.0                  | ≤9                       |
| Metil Paratión                      | µg/l         | <1.0   | <1.0                  | ≤7                       |
| Lindano (γ-HCH)                     | µg/l         | <1.0   | <1.0                  | ≤2                       |
| Heptacloro y Heptacloro epóxido     | µg/l         | <0.2   | <0.2                  | ≤0.03                    |
| Malatión                            | µg/l         | <1.0   | <1.0                  | ≤190                     |
| Paratión                            | µg/l         | <1.0   | <1.0                  | ≤35                      |
| Aldrin y Dieldrin                   | µg/l         | <0.1   | <0.1                  | ≤0.03                    |
| Clordano (Isómeros totales)         | µg/l         | <0.2   | <0.2                  | ≤0.2                     |
| DDT (Isómeros totales)              | µg/l         | <1.0   | <1.0                  | ≤2                       |
| Metoxicloro                         | µg/l         | <1.0   | <1.0                  | ≤20                      |
| Benzo(a)pireno                      | µg/l         | <1.0   | <1.0                  | ≤0.7                     |
| Fenoles                             | µg/l C6H5OH  | <1.0   | <1.0                  | ≤1                       |
| Hidrocarburos Totales               | µg/l         | <5.0   | <5.0                  | ≤500                     |
| Bact. aerobias mesóf. totales       | u.f.c./ml.   | <1   | <1                    | ≤100                     |
| Bact. coliformes totales            | u.f.c./100ml | <1   | <1                    | ≤2                       |
| <i>Escherichia coli</i>             | u.f.c./100ml | <1   | <1                    | ≤2                       |
| <i>Pseudomonas aeruginosa</i>       | u.f.c./100ml | <1   | <1                    | Ausencia                 |

Referencias: N: Normal - ND: No Detectado

MATRIZ: AGUA SUBTERRÁNEA

| PROCEDENCIA                         |              | LA PAZ                           | LA PAZ                        | ANEXO 1.2 - C.C.         |
|-------------------------------------|--------------|----------------------------------|-------------------------------|--------------------------|
| IDENTIFICACION                      |              | P 16-LA PAZ                      | P 15-LA PAZ                   | AGUA POTABLE             |
| PUNTO DE EXTRACCION                 |              | Pº Nº 6 VILLA AMELIA Y RUTA Nº 7 | Pº Nº 7 VILLA AMELIA Y ESPAÑA | LIMITE MÁXIMO            |
| NUMERO DE ANALISIS                  |              | 13458                            | 13858                         | ----                     |
| FECHA DE EXTRACCION                 |              | 12/12/2023                       | 22/12/2023                    | ----                     |
| Color                               | UCV          | <2                               | <2                            | ≤15 (Recomendado 8)      |
| Turbiedad                           | UNT          | 0.2                              | 0.4                           | ≤2 (Recomendado <1)      |
| Olor                                |              | N                                | N                             | Sin olores extraños      |
| pH                                  | U de pH      | 7.5                              | 7.5                           | 6.5<pH<8.5               |
| Cloro libre residual in situ        | mg/l         | -----                            | -----                         | ≥0.20 y ≤2.00            |
| Cloro libre residual en lab.        | mg/l         | -----                            | -----                         | -----                    |
| Conductiv. Espec. 25°C              | µmho/cm      | 2160                             | 2220                          | ≤2500 (Recomendado 1600) |
| Dureza Total (CO3Ca)                | mg/l         | 570                              | 562                           | ≤500                     |
| Alcalinidad (CO3Ca)                 | mg/l         | 82                               | 55                            | -----                    |
| Cloruros (Cl)                       | mg/l         | 169                              | 221                           | ≤400 (Recomendado 250)   |
| Sulfatos (SO4 <sup>2-</sup> )       | mg/l         | 780                              | 792                           | ≤400 (Recomendado 250)   |
| Nitratos (NO3 <sup>-</sup> )        | mg/l         | 0.8                              | <0.5                          | ≤45                      |
| Nitritos (NO2 <sup>-</sup> )        | mg/l         | <0.03                            | <0.03                         | ≤3                       |
| Amonio (NH4 <sup>+</sup> )          | mg/l         | <0.05                            | <0.05                         | ≤0.20                    |
| Calcio (Ca <sup>++</sup> )          | mg/l         | 200                              | 196                           | -----                    |
| Magnesio (Mg <sup>++</sup> )        | mg/l         | 17                               | 17                            | -----                    |
| Flúor (F)                           | mg/l         | 1                                | 1.2                           | ≤1.5                     |
| Boro (B)                            | mg/l         | <0.2                             | 0.3                           | ≤0.3                     |
| Cianuro (CN <sup>-</sup> )          | mg/l         | <0.05                            | <0.05                         | ≤0.07                    |
| Sodio (Na <sup>+</sup> )            | mg/l         | 271                              | 284                           | ≤200                     |
| Potasio (K <sup>+</sup> )           | mg/l         | 17                               | 21                            | -----                    |
| Arsénico (As)                       | mg/l         | 0.045                            | 0.040                         | ≤0.05                    |
| Hierro (Fe)                         | mg/l         | <0.05                            | 0.05                          | ≤0.20 (Recomendado 0.1)  |
| Cromo (Cr)                          | mg/l         | <0.010                           | <0.010                        | ≤0.05                    |
| Cadmio (Cd)                         | mg/l         | <0.001                           | <0.001                        | ≤0.003                   |
| Plomo (Pb)                          | mg/l         | <0.010                           | <0.010                        | ≤0.01                    |
| Cobre (Cu)                          | mg/l         | <0.01                            | <0.01                         | ≤1.0                     |
| Cinc (Zn)                           | mg/l         | <0.01                            | <0.01                         | ≤3.0                     |
| Manganeso (Mn)                      | mg/l         | 0.01                             | 0.02                          | ≤0.1                     |
| Selenio (Se)                        | mg/l         | <0.005                           | <0.005                        | ≤0.01                    |
| Plata (Ag)                          | mg/l         | <0.01                            | <0.01                         | ≤0.05                    |
| Mercurio (Hg)                       | mg/l         | <0.001                           | <0.001                        | ≤0.001                   |
| Aluminio (Al)                       | mg/l         | <0.2                             | <0.2                          | ≤0.2                     |
| Bario (Ba)                          | mg/l         | <0.7                             | <0.7                          | ≤0.7                     |
| Cloruro de Vinilo                   | µg/l         | <1.0                             | <1.0                          | ≤5                       |
| 1.1-Dicloroetano                    | µg/l         | <0.3                             | <0.3                          | ≤30                      |
| Diclorometano                       | µg/l         | <0.3                             | <0.3                          | ≤20                      |
| 1.2-Dicloroetano                    | µg/l         | <0.3                             | <0.3                          | ≤50                      |
| Cloroformo                          | µg/l         | <1.0                             | <1.0                          | ≤200                     |
| 1.1.1-Tricloroetano                 | µg/l         | <0.5                             | <0.5                          | ≤2000                    |
| 1.2-Dicloroetano                    | µg/l         | <1.0                             | <1.0                          | ≤30                      |
| Benceno                             | µg/l         | <2.0                             | <2.0                          | ≤10                      |
| Tetracloruro de Carbono             | µg/l         | <0.5                             | <0.5                          | ≤2                       |
| Tricloroetano                       | µg/l         | <0.5                             | <0.5                          | ≤70                      |
| Bromodichlorometano                 | µg/l         | <1.0                             | <1.0                          | ≤60                      |
| Tolueno                             | µg/l         | <5.0                             | <5.0                          | ≤700                     |
| Dibromoclorometano                  | µg/l         | <1.0                             | <1.0                          | ≤100                     |
| Tetracloroetano                     | µg/l         | <0.5                             | <0.5                          | ≤40                      |
| Monoclorobenceno                    | µg/l         | <2.0                             | <2.0                          | ≤300                     |
| Etilbenceno                         | µg/l         | <5.0                             | <5.0                          | ≤300                     |
| Xilenos                             | µg/l         | <5.0                             | <5.0                          | ≤500                     |
| Bromoformo                          | µg/l         | <1.0                             | <1.0                          | ≤100                     |
| Estireno                            | µg/l         | <5.0                             | <5.0                          | ≤20                      |
| 1.4-Diclorobenceno                  | µg/l         | <0.2                             | <0.2                          | ≤300                     |
| 1.2-Diclorobenceno                  | µg/l         | <0.3                             | <0.3                          | ≤1000                    |
| Triclorobencenos                    | µg/l         | <1.0                             | <1.0                          | ≤20                      |
| Trihalometanos (Suma de fracciones) |              | <0.04                            | <0.04                         | ≤1                       |
| 2,4,6-Triclorofenol                 | µg/l         | <1.0                             | <1.0                          | ≤200                     |
| 2,4-D (ac. 2,4-diclorofenoxiacét.)  | µg/l         | <5.0                             | <5.0                          | ≤30                      |
| Hexaclorobenceno                    | µg/l         | <0.6                             | <0.6                          | ≤1                       |
| Pentaclorofenol                     | µg/l         | <2.0                             | <2.0                          | ≤9                       |
| Metil Paratión                      | µg/l         | <1.0                             | <1.0                          | ≤7                       |
| Lindano (γ-HCH)                     | µg/l         | <1.0                             | <1.0                          | ≤2                       |
| Heptacloro y Heptacloro epóxido     | µg/l         | <0.2                             | <0.2                          | ≤0.03                    |
| Malatión                            | µg/l         | <1.0                             | <1.0                          | ≤190                     |
| Paratión                            | µg/l         | <1.0                             | <1.0                          | ≤35                      |
| Aldrin y Dieldrin                   | µg/l         | <0.1                             | <0.1                          | ≤0.03                    |
| Clordano (Isómeros totales)         | µg/l         | <0.2                             | <0.2                          | ≤0.2                     |
| DDT (Isómeros totales)              | µg/l         | <1.0                             | <1.0                          | ≤2                       |
| Metoxicloro                         | µg/l         | <1.0                             | <1.0                          | ≤20                      |
| Benzo(a)pireno                      | µg/l         | <1.0                             | <1.0                          | ≤0.7                     |
| Fenoles                             | µg/l C6H5OH  | <1.0                             | <1.0                          | ≤1                       |
| Hidrocarburos Totales               | µg/l         | <5.0                             | <5.0                          | ≤500                     |
| Bact. aerobias mesóf. totales       | u.f.c./ml.   | <1                               | <1                            | ≤100                     |
| Bact. coliformes totales            | u.f.c./100ml | <1                               | <1                            | ≤2                       |
| <i>Escherichia coli</i>             | u.f.c./100ml | <1                               | <1                            | ≤2                       |
| <i>Pseudomonas aeruginosa</i>       | u.f.c./100ml | <1                               | <1                            | Ausencia                 |

Referencias: N: Normal - ND: No Detectado