

102 年度地下水質監測分析表

| 項目                   | 基地南方民宅民井 |          |          |          | 北方右側民宅民井 |          |          |          | 德和社區民井   |          |          |          | 第二類<br>監測標<br>準 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------------|
|                      | 102Q1    | 102Q2    | 102Q3    | 102Q4    | 102Q1    | 102Q2    | 102Q3    | 102Q4    | 102Q1    | 102Q2    | 102Q3    | 102Q4    |                 |
| pH 值                 | 7.4      | 7.7      | 7.5      | 7.3      | 7.2      | 7.8      | 7.4      | 7.4      | 7.6      | 8        | 7.5      | 7.4      | -               |
| 水溫 (°C)              | 25.8     | 25.8     | 28       | 26.9     | 24.3     | 25.5     | 29       | 26.3     | 23.6     | 25.9     | 29.6     | 30.5     | -               |
| 導電度 (µmho/cm)        | 737      | 808      | 758      | 725      | 673      | 659      | 302      | 673      | 542      | 543      | 507      | 553      | -               |
| 懸浮固體 (mg/L)          | ND       | ND       | 3.20     | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | -               |
| 生化需氧量 (mg/L)         | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | -               |
| 化學需氧量 (mg/L)         | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | 12.3     | -               |
| 總溶解固體 (mg/L)         | 520      | 604      | 518      | 523      | 429      | 480      | 430      | 477      | 351      | 430      | 438      | 398      | 1,250           |
| 硝酸鹽 (mg/L)           | 34.731   | 46.958   | 6.645    | 5.9362   | 34.155   | 37.2563  | 58.033   | 41.4648  | 42.085   | 1.5505   | 1.24     | 3.3668   | -               |
| 硝酸鹽氮(mg/L)           | 7.84     | 10.6     | 1.5      | 1.34     | 7.71     | 8.41     | 13.1     | 9.36     | 0.95     | 0.35     | 0.28     | 0.76     | 25              |
| 硫酸鹽 (mg/L)           | 75.9     | 103      | 95.4     | 88.8     | 62.6     | 60.5     | 58.1     | 64.6     | 76.4     | 78.8     | 76.3     | 84.1     | 625             |
| 氯鹽 (mg/L)            | 9.2      | 8        | 1.1      | 5.5      | 17.1     | 15.4     | 11.6     | 12.6     | 6.8      | 6        | 4.1      | 4.1      | 625             |
| 總有機碳 (mg/L)          | 0.3      | 0.6      | <0.2     | 0.3      | 0.3      | <0.2     | <0.2     | 0.3      | 0.2      | 0.2      | <0.2     | 0.3      | 10              |
| 氨氮 (mg/L)            | 0.04     | ND       | ND       | 0.06     | <0.04    | ND       | ND       | ND       | <0.04    | ND       | ND       | ND       | 0.25            |
| 鐵 (mg/L)             | 0.056    | ND       | <0.010   | ND       | 0.014    | ND       | <0.010   | <0.010   | 0.012    | <0.010   | <0.010   | 0.012    | 1.5             |
| 錳 (mg/L)             | 0.006    | ND       | <0.005   | 0.017    | ND       | ND       | ND       | ND       | 0.023    | 0.02     | 0.021    | 0.024    | 0.25            |
| 總硬度 (mg/L)           | 375      | 419      | 373      | 378      | 351      | 326      | 319      | 338      | 273      | 298      | 277      | 277      | 750             |
| 大腸桿菌群<br>(CFU/100mL) | <10      | <10      | <10      | 3.50E+01 | <10      | <10      | <10      | <10      | <10      | 1.00E+01 | <10      | <10      | -               |
| 總菌落數<br>(CFU/mL)     | 6.00E+01 | 1.10E+02 | 6.00E+01 | 1.10E+03 | 5.30E+02 | 3.70E+01 | 2.40E+02 | 1.00E+02 | 4.70E+01 | 4.90E+02 | 4.80E+01 | 9.00E+00 | -               |

註:1. ”<Z”表示檢驗值低於檢量線最低點濃度(Z)而高於方法偵測極限(MDL)濃度；ND 表示檢驗值低於 MDL。

2.硝酸鹽測值係依照環檢所公告 NIEA W415.52B 之水中陰離子檢測方法，故將檢測出之硝酸鹽氮測值乘以 4.43 即可換算為硝酸鹽。

102 年度地下水質監測分析表(續 1)

| 項目                   | 1-1 號監測井 |          |          |          | 1-2A 號監測井 |          |          |          | 5 號監測井   |          |          |          | 第二類<br>監測標<br>準 |
|----------------------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------------|
|                      | 102Q1    | 102Q2    | 102Q3    | 102Q4    | 102Q1     | 102Q2    | 102Q3    | 102Q4    | 102Q1    | 102Q2    | 102Q3    | 102Q4    |                 |
| pH 值                 | 7        | 7.3      | 6.8      | 6.9      | 6.8       | 6.9      | 6.9      | 6.8      | 6.8      | 7.1      | 6.8      | 7.2      | -               |
| 水溫 (°C)              | 26.2     | 25.8     | 28.2     | 28.0     | 25.3      | 26.2     | 28.4     | 28.3     | 24.2     | 26.4     | 27.6     | 27.4     | -               |
| 導電度 (µmho/cm)        | 668      | 680      | 320      | 666      | 634       | 723      | 1150     | 798      | 728      | 750      | 750      | 745      | -               |
| 懸浮固體 (mg/L)          | 17.8     | 3.8      | 39.9     | ND       | 14.2      | 2.6      | 83.7     | 16.4     | ND       | ND       | 9.60     | ND       | -               |
| 生化需氧量 (mg/L)         | ND       | ND       | ND       | ND       | ND        | ND       | ND       | ND       | ND       | ND       | ND       | ND       | -               |
| 化學需氧量 (mg/L)         | ND       | ND       | 12.40    | ND       | ND        | ND       | ND       | ND       | ND       | ND       | ND       | ND       | -               |
| 總溶解固體 (mg/L)         | 454      | 468      | 206      | 458      | 521       | 486      | 792      | 524      | 486      | 484      | 429      | 490      | 1,250           |
| 硝酸鹽 (mg/L)           | 42.971   | 37.2563  | 10.455   | 33.4908  | 25.03     | 27.9533  | 20.112   | 19.4034  | 43.16    | 52.274   | 60.69    | 49.616   | -               |
| 硝酸鹽氮(mg/L)           | 9.7      | 8.41     | 2.36     | 7.56     | 5.65      | 6.31     | 4.54     | 4.38     | 12       | 11.8     | 13.7     | 11.20    | 25              |
| 硫酸鹽 (mg/L)           | 51.1     | 55.7     | 38.9     | 58.0     | 45.2      | 49.5     | 63.7     | 50.7     | 50.2     | 53.7     | 44.9     | 47.3     | 625             |
| 氯鹽 (mg/L)            | 13       | 13.1     | 4.6      | 23.9     | 3.8       | 33.5     | 2.5      | 2.4      | 11.3     | ND       | ND       | 16.0     | 625             |
| 總有機碳 (mg/L)          | 0.4      | 0.3      | 8        | 0.3      | 0.3       | 0.8      | 0.8      | 0.4      | 0.4      | 0.3      | 0.5      | 0.4      | 10              |
| 氨氮 (mg/L)            | <0.04    | 0.04     | 0.25     | ND       | <0.04     | <0.04    | ND       | ND       | <0.04    | ND       | ND       | ND       | 0.25            |
| 鐵 (mg/L)             | 0.042    | 0.044    | 0.108    | 0.030    | ND        | <0.010   | 0.01     | 0.075    | 0.042    | ND       | 0.01     | ND       | 1.5             |
| 錳 (mg/L)             | <0.005   | 0.014    | 0.041    | 0.070    | <0.005    | ND       | <0.005   | 0.013    | <0.005   | ND       | 0.01     | ND       | 0.25            |
| 總硬度 (mg/L)           | 367      | 326      | 134      | 342      | 335       | 349      | 557      | 372      | 367      | 376      | 367      | 359      | 750             |
| 大腸桿菌群<br>(CFU/100mL) | <10      | 1.00E+01 | 1.30E+02 | 2.20E+02 | <10       | <10      | 8.50E+01 | 6.30E+04 | <10      | <10      | <10      | 4.50E+01 | -               |
| 總菌落數<br>(CFU/mL)     | 5.20E+03 | 5.40E+04 | 1.20E+04 | 5.60E+03 | 1.90E+03  | 1.10E+03 | 2.50E+03 | 4.60E+03 | 3.60E+03 | 2.40E+03 | 2.20E+03 | 3.70E+02 | -               |

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2.硝酸鹽測值係依照環檢所公告 NIEA W415.52B 之水中陰離子檢測方法，故將檢測出之硝酸鹽氮測值乘以 4.43 即可換算為硝酸鹽。