

**STATISTICAL SUMMARY OF WATER-QUALITY DATA  
COLLECTED FROM SELECTED WELLS AND SPRINGS  
IN THE EDWARDS AQUIFER NEAR SAN ANTONIO, TEXAS**

**By Frank C. Wells**

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## CONVERSION FACTORS

Factors for converting inch-pound units to metric equivalents are given in the following table:

| From                                                 | Multiply by | To obtain                                     |
|------------------------------------------------------|-------------|-----------------------------------------------|
| micromho per centimeter at<br>25° Celsius (µmhos/cm) | 1.000       | microsiemens per centimeter at<br>25° Celsius |

STATISTICAL SUMMARY OF WATER-QUALITY DATA  
COLLECTED FROM SELECTED WELLS AND SPRINGS IN  
THE EDWARDS AQUIFER NEAR SAN ANTONIO, TEXAS

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Frank C. Wells

ABSTRACT

Statistical summaries of available water-quality data collected from 90 wells and 3 springs in the Edwards aquifer near San Antonio, Texas, are presented. The statistical summaries provide information on the range in values for each water-quality constituent as well as the mean value, the standard deviation about the mean; and for those constituents with five or more analyses, the percentage of observations in which values were equal to or less than the specified values are presented.

## INTRODUCTION

Geologic and hydrologic investigations of the Edwards aquifer in the San Antonio area, Texas, have been conducted for many years by the U.S. Geological Survey in cooperation with the Texas Department of Water Resources, the Edwards Underground Water District, and the San Antonio City Water Board. As part of these investigations, a considerable amount of data have been collected on the chemical quality of water in the aquifer.

In 1968, the Geological Survey, in cooperation with the Texas Department of Water Resources and the Edwards Underground Water District, began a continuing program to systematically collect data for detecting pollution and for determining changes in the quality of water in the Edwards aquifer. Reports of these investigations are listed in "Selected References."

### Purpose and Scope

Although water-quality data have been collected for many years from numerous wells throughout the Edwards aquifer, only limited efforts have been made to summarize and review these data. The purpose of this report is to provide statistical summaries of available water-quality data collected from 90 wells and 3 springs in the Edwards aquifer near San Antonio, Texas. Data compiled in this report will be used in additional interpretative studies to define the variation in water quality in the study area. The study area of this report includes all or parts of Bexar, Comal, Hays, Medina, and Uvalde Counties in south-central Texas (fig. 1).

### Well-Numbering System

The well-numbering system used in this report was developed by the Texas Department of Water Resources for use throughout the State. Under this system, each 1-degree quadrangle is given a number consisting of two digits. These are the first two digits in the well number. Each 1-degree quadrangle is divided into 7-1/2-minute quadrangles which are given two-digit numbers from 01 to 64. These are the third and fourth digits of the well number. Each 7-1/2-minute quadrangle is divided into 2-1/2-minute quadrangles which are given a single-digit number from 1 to 9. This is the fifth digit of the well number. Finally, each well within a 2-1/2-minute quadrangle is given a two-digit number in the order in which it was inventoried, starting with 01. These are the last two digits of the well number.

Only the last three digits of the well number are shown at each location in figure 1; the second pair of digits (01-64) are shown in the northwest corner of each 7-1/2-minute quadrangle.

In addition to the seven-digit well number, a two-letter prefix is used to identify the county. The prefix for counties where wells were sampled are as follows: AY, Bexar; DX, Comal; LR, Hays; TD, Medina; and YP, Uvalde. An example well number is AY-68-36-102.

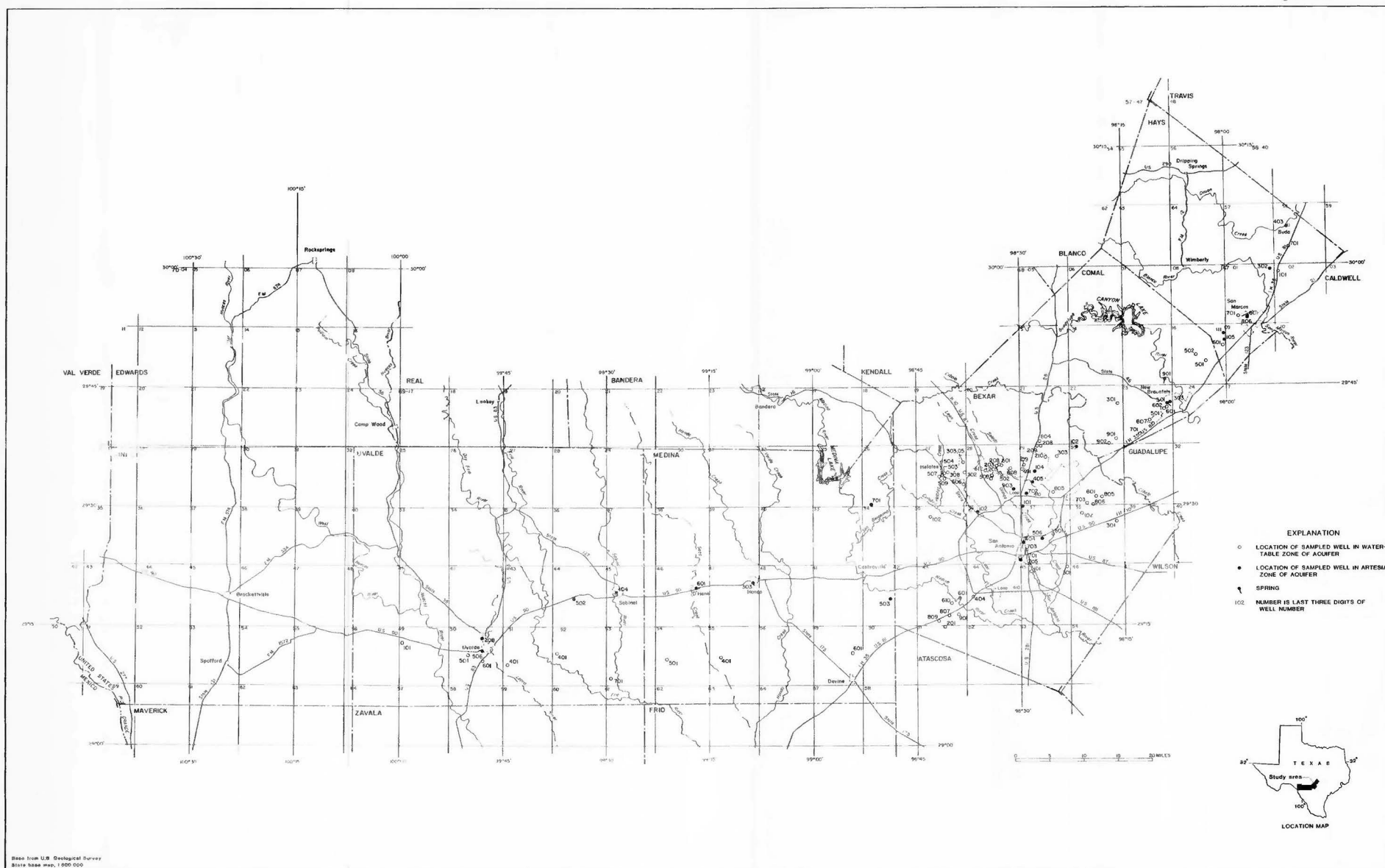


Figure 1--Location of study area and data-collection sites.

## STATISTICAL PROCEDURES FOR SUMMARIZING WATER-QUALITY DATA

Statistical procedures in this study were performed using the Statistical Analysis System (SAS)<sup>1/</sup> developed by the SAS Institute of Cary, North Carolina, (SAS Institute, Inc., 1982). The SAS computer system has been interfaced with the Geological Survey's National Water Data Storage and Retrieval System (WATSTORE). The SAS computer system provides data-management functions such as sorting, merging, copying, and condensing sets of data.

The principal SAS procedure utilized in the preparation of this report is the UNIVARIATE procedure. The UNIVARIATE procedure produces simple descriptive statistics of numeric variables and provides information on the distribution of values for each variable. Statistical information provided by the UNIVARIATE procedure includes sample size or the number of observations on which statistical calculations were based, the maximum value, the minimum value, the mean value, the standard deviation about the mean, and the 95th, 75th, 50th (median), 25th, and 5th percentile values.

The statistical summaries (tables 2-6, supplemental information) provide information on the range in values for each constituent as well as the mean value and the standard deviation about the mean. For those constituents with five or more observations, the statistical summaries also show the percentage of observations in which values were less than or equal to specified values, thus providing information about the distribution of the values in addition to the range of values. For example, at well AY-68-21-804, the maximum and minimum observed specific conductances are 592 and 475  $\mu\text{mhos/cm}$  respectively, but for 50 percent of the observations the specific conductance was less than or equal to 532  $\mu\text{mhos/cm}$ . Likewise, the table shows that 50 percent of the specific-conductance values ranged between 568 and 525  $\mu\text{mhos/cm}$ .

Analytical methodologies generally change and improve with time, and two or more methods may be available for analysis of an individual constituent at any given time with each method having different detection limits. Consequently, detection limits for an individual constituent may vary depending upon the methodology used at the time of analysis. Geological Survey laboratory detection limits for selected minor elements and nutrients for 1973-82 are listed in table 1 (supplemental information).

Some of the nutrient data and much of the minor element data are reported by the laboratory and stored in the Geological Survey's WATSTORE files as "less than" (<) values or as not detected (ND). The "less than" values indicate that the constituent concentration at the time of analysis was less than the lower limit of detection for that particular constituent using the prescribed analytical methodology. The "ND" values indicate that a lower limit of detection for that constituent had not been established at the time of analysis, and the constituent could not be "detected" using the prescribed analytical methodology. Because it is virtually impossible to perform statistical analysis on values reported as "less than" or as "not detected," these values were converted to zero, for the purpose of this report, before the statistical analyses were

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<sup>1/</sup> Use of the trade name in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

performed. Consequently, zero values in the statistical tables for constituents listed in table 1 do not indicate that a constituent was not present, but that if the constituent was present, the concentration was less than the lower limit of detection, or if detection limits had not been established, the constituent could not be detected using the prescribed methodology at the time of analysis.

Values for some of the bacteriological data stored in the WATSTORE files may be reported as "less than" or that the reported value was determined on a "non-ideal colony count." Values reported as "less than" indicate that no indicator bacteria were found on the largest sample analyzed. For the purposes of statistical analysis of data included in this report, values of "less than" were converted to zero. Consequently, zero values for bacteriological data do not mean that no bacteria were present, but that no indicator bacteria were detected in the largest sample analyzed.

Bacteriological data reported as being determined on a "non-ideal colony count" indicate that the number of indicator bacteria on samples analyzed did not fall within the ranges of 20-60 colonies per 100 milliliters (cols./100 Ml) for fecal coliform bacteria, 20-80 cols./100 Ml for total coliform bacteria, or 20-100 cols./100 Ml for fecal streptococci bacteria. For the purposes of statistical analysis of data for this report, bacteriological data reported as being determined on a "non-ideal colony count" were left unchanged. Although these number of indicator bacteria were outside the ideal range of colonies per 100 milliliters of water, the data are reasonable estimates of the bacterial densities at the time of analysis.

## SELECTED REFERENCES

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- Reeves, R. D., Rawson, Jack, and Blakey, J. F., 1972, Chemical and bacteriological quality of water at selected sites in the San Antonio area, Texas, August 1968-April 1972: Edwards Underground Water District report, 63 p.
- SAS Institute, Inc., 1982, SAS user's guide: Basics, 1982 edition: Cary, North Carolina, SAS Institute, Inc., 923 p.

## SUPPLEMENTAL INFORMATION

Table 1.--U.S. Geological Survey water-quality laboratory detection limits for selected minor-element and nutrient data, 1973-82

[ $\mu\text{g/L}$ , microgram per liter; ND, not detected;  $\text{mg/L}$ , milligram per liter]

| Minor elements                           |             |          |         |
|------------------------------------------|-------------|----------|---------|
| Constituent                              | Time period |          |         |
|                                          | 1973-77     | 1978-79  | 1980-82 |
| Aluminum, dissolved ( $\mu\text{g/L}$ )  | 100         | 100      | 100     |
| Arsenic, dissolved ( $\mu\text{g/L}$ )   | 1           | 1        | 1       |
| Barium, dissolved ( $\mu\text{g/L}$ )    | 100         | 100      | 100     |
| Boron, dissolved ( $\mu\text{g/L}$ )     | 20          | 20       | 20      |
| Cadmium, dissolved ( $\mu\text{g/L}$ )   | ND or 2     | ND or 2  | 1       |
| Chromium, dissolved ( $\mu\text{g/L}$ )  | ND          | ND or 20 | 10      |
| Cobalt, dissolved ( $\mu\text{g/L}$ )    | 100         | 100      | 1 or 50 |
| Copper, dissolved ( $\mu\text{g/L}$ )    | ND or 2     | ND or 2  | 1 or 10 |
| Iron, dissolved ( $\mu\text{g/L}$ )      | 10          | 10       | 10      |
| Lead, dissolved ( $\mu\text{g/L}$ )      | ND or 2     | ND or 2  | 1       |
| Lithium, dissolved ( $\mu\text{g/L}$ )   | 10          | 10       | 10      |
| Manganese, dissolved ( $\mu\text{g/L}$ ) | 10          | 10       | 10      |
| Mercury, dissolved ( $\mu\text{g/L}$ )   | .05         | .01      | .01     |
| Nickel, dissolved ( $\mu\text{g/L}$ )    | ND or 2     | ND       | 1       |
| Selenium, dissolved ( $\mu\text{g/L}$ )  | 1           | 1        | 1       |
| Silver, dissolved ( $\mu\text{g/L}$ )    | ND          | ND or 2  | 1       |
| Strontium, dissolved ( $\mu\text{g/L}$ ) | 10          | 10       | --      |
| Vanadium, dissolved ( $\mu\text{g/L}$ )  | --          | --       | .1      |
| Zinc, dissolved ( $\mu\text{g/L}$ )      | ND or 20    | 10       | 10      |

| Nutrients                                     |             |
|-----------------------------------------------|-------------|
| Constituent                                   | Time period |
|                                               | 1973-82     |
| Nitrogen, ammonia, total ( $\text{mg/L}$ )    | 0.01        |
| Nitrogen, nitrite, total ( $\text{mg/L}$ )    | .01         |
| Nitrogen, nitrite + nitrate ( $\text{mg/L}$ ) | .01 or 0.1  |
| Nitrogen, ammonia + organic ( $\text{mg/L}$ ) | .1          |
| Phosphorus, total ( $\text{mg/L}$ )           | .01         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS

STATION NUMBER: 293749098263601

WELL NUMBER: AY-68-21-804

LATITUDE: 293749

LONGITUDE: 0982636

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

[DEG C, degree Celsius; UMHOS, micromho per centimeter at 25° Celsius; MG/L, milligram per liter;  
COLS./100 ML, colonies per 100 milliliters; TONS PER AC-FT, tons per acre-foot; UG/L, microgram per liter]

| WATER QUALITY CONSTITUENT                 | SAMPLE<br>SIZE | DESCRIPTIVE STATISTICS |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|-------------------------------------------|----------------|------------------------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                           |                | MAXIMUM                | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 14             | 24.00                  | 23.00   | 23.46  | 0.24                  | 24.00                                                                        | 23.50  | 23.50        | 23.50  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 13             | 592.00                 | 475.00  | 539.62 | 31.87                 | 592.00                                                                       | 567.50 | 532.00       | 525.50 | 475.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 8              | 0.80                   | 0.20    | 0.42   | 0.22                  | 0.80                                                                         | 0.57   | 0.45         | 0.20   | 0.20   |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL) (MG/L)  | 5              | 19.00                  | 1.00    | 8.20   | 7.26                  | 19.00                                                                        | 14.50  | 9.00         | 1.50   | 1.00   |
| OXYGEN DEMAND,CHEMICAL(HIGH LEVEL) (MG/L) | 5              | 110.00                 | 0.00    | 32.20  | 46.69                 | 110.00                                                                       | 76.00  | 5.00         | 2.00   | 0.00   |
| PH (UNITS)                                | 13             | 7.20                   | 6.70    | 6.96   | 0.18                  | 7.20                                                                         | 7.10   | 7.00         | 6.80   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 11             | 102.00                 | 33.00   | 54.45  | 21.65                 | 102.00                                                                       | 64.00  | 51.00        | 37.00  | 33.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 13             | 271.00                 | 238.00  | 261.85 | 8.84                  | 271.00                                                                       | 270.00 | 262.00       | 260.00 | 238.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 11             | 330.00                 | 290.00  | 320.00 | 11.83                 | 330.00                                                                       | 330.00 | 320.00       | 320.00 | 290.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 11             | 0.00                   | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| SOLIDS, RESIDUE AT 105 DEG. C, SUS.(MG/L) | 4              | 1.00                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| OIL AND GREASE (MG/L)                     | 3              | 0.00                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 14             | 7.30                   | 0.92    | 3.37   | 1.93                  | 7.30                                                                         | 5.05   | 3.05         | 1.85   | 0.92   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 14             | 1.40                   | 0.06    | 0.43   | 0.35                  | 1.40                                                                         | 0.61   | 0.34         | 0.17   | 0.06   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 14             | 0.17                   | 0.00    | 0.03   | 0.05                  | 0.17                                                                         | 0.05   | 0.01         | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 13             | 0.04                   | 0.00    | 0.01   | 0.01                  | 0.04                                                                         | 0.02   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 13             | 5.70                   | 0.86    | 2.69   | 1.53                  | 5.70                                                                         | 3.75   | 2.30         | 1.50   | 0.86   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 14             | 5.80                   | 0.86    | 2.91   | 1.69                  | 5.80                                                                         | 4.53   | 2.40         | 1.50   | 0.86   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 14             | 0.03                   | 0.00    | 0.01   | 0.01                  | 0.03                                                                         | 0.02   | 0.01         | 0.01   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)         | 11             | 11.00                  | 0.00    | 1.69   | 3.15                  | 11.00                                                                        | 1.70   | 0.60         | 0.30   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 3              | 3.40                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 12             | 310.00                 | 250.00  | 283.33 | 14.35                 | 310.00                                                                       | 290.00 | 285.00       | 280.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 12             | 47.00                  | 0.00    | 21.92  | 13.98                 | 47.00                                                                        | 25.00  | 23.50        | 13.25  | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 12             | 120.00                 | 98.00   | 109.17 | 5.22                  | 120.00                                                                       | 110.00 | 110.00       | 110.00 | 98.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 12             | 3.10                   | 2.20    | 2.63   | 0.32                  | 3.10                                                                         | 2.90   | 2.70         | 2.30   | 2.20   |
| SODIUM, DISSOLVED (MG/L AS Na)            | 12             | 3.90                   | 2.30    | 3.33   | 0.47                  | 3.90                                                                         | 3.80   | 3.20         | 3.13   | 2.30   |
| SODIUM ADSORPTION RATIO                   | 12             | 0.10                   | 0.10    | 0.10   | 0.00                  | 0.10                                                                         | 0.10   | 0.10         | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 12             | 1.00                   | 0.60    | 0.68   | 0.11                  | 1.00                                                                         | 0.70   | 0.70         | 0.60   | 0.60   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 11             | 12.00                  | 7.30    | 9.05   | 1.98                  | 12.00                                                                        | 12.00  | 8.10         | 7.60   | 7.30   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 11             | 7.50                   | 0.00    | 3.40   | 2.58                  | 7.50                                                                         | 4.70   | 4.10         | 0.50   | 0.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 12             | 0.20                   | 0.00    | 0.09   | 0.05                  | 0.20                                                                         | 0.10   | 0.10         | 0.10   | 0.00   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 12             | 13.00                  | 10.00   | 11.83  | 1.11                  | 13.00                                                                        | 13.00  | 12.00        | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 14             | 100.00                 | 0.00    | 13.21  | 28.30                 | 100.00                                                                       | 16.00  | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 14             | 0.00                   | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 14             | 3.00                   | 0.00    | 0.36   | 0.93                  | 3.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 7              | 0.10                   | 0.00    | 0.03   | 0.05                  | 0.10                                                                         | 0.10   | 0.00         | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS,DISS. (MG/L)  | 9              | 307.00                 | 279.00  | 298.11 | 10.07                 | 307.00                                                                       | 305.00 | 302.00       | 291.00 | 279.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 9              | 0.42                   | 0.38    | 0.40   | 0.01                  | 0.42                                                                         | 0.41   | 0.41         | 0.39   | 0.38   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 2              | 0.40                   | 0.10    |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293749098263601

WELL NUMBER: AY-68-21-804

LATITUDE: 293749

LONGITUDE: 0982636

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT              | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |        |        |
|----------------------------------------|-------------|------------------------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|--------|--------|
|                                        |             | MAXIMUM                | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)        | 7           | 1.00                   | 0.00    | 0.57    | 0.53               | 1.00                                                                      | 1.00    | 1.00      | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)         | 7           | 200.00                 | 0.00    | 36.86   | 73.23              | 200.00                                                                    | 30.00   | 0.00      | 0.00   | 0.00   |
| CADMIUM, DISSOLVED (UG/L AS CD)        | 7           | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)       | 7           | 10.00                  | 0.00    | 1.43    | 3.78               | 10.00                                                                     | 0.00    | 0.00      | 0.00   | 0.00   |
| COPPER, DISSOLVED (UG/L AS CU)         | 7           | 3.00                   | 0.00    | 0.57    | 1.13               | 3.00                                                                      | 1.00    | 0.00      | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)           | 7           | 40.00                  | 0.00    | 13.57   | 16.51              | 40.00                                                                     | 30.00   | 5.00      | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)           | 12          | 13.00                  | 0.00    | 4.67    | 4.31               | 13.00                                                                     | 8.00    | 4.00      | 0.50   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)      | 7           | 20.00                  | 0.00    | 4.29    | 7.52               | 20.00                                                                     | 8.00    | 0.00      | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)         | 2           | 2.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| SILVER, DISSOLVED (UG/L AS AG)         | 7           | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| VANADIUM, DISSOLVED (UG/L AS V)        | 3           | 2.00                   | 1.40    |         |                    |                                                                           |         |           |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)           | 7           | 1500.00                | 840.00  | 1137.14 | 244.25             | 1500.00                                                                   | 1400.00 | 1100.00   | 940.00 | 840.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)       | 7           | 3.00                   | 0.00    | 0.71    | 1.11               | 3.00                                                                      | 1.00    | 0.00      | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                 | 1           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| NAPHTHALENES; POLYCHLOR., TOTAL (UG/L) | 3           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| ALDRIN, TOTAL (UG/L)                   | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| LINDANE, TOTAL (UG/L)                  | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| CHLORDANE, TOTAL (UG/L)                | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| DDD, TOTAL (UG/L)                      | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| DDE, TOTAL (UG/L)                      | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| DDT, TOTAL (UG/L)                      | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| DIELDRIN, TOTAL (UG/L)                 | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| ENDOSULFAN, TOTAL (UG/L)               | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| ENDRIN, TOTAL (UG/L)                   | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| ETHION, TOTAL (UG/L)                   | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| TOXAPHENE, TOTAL (UG/L)                | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| HEPTACHLOR, TOTAL (UG/L)               | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)       | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| METHOXYCHLOR, TOTAL (UG/L)             | 3           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| PCB, TOTAL (UG/L)                      | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| MALATHION, TOTAL (UG/L)                | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| PARATHION, TOTAL (UG/L)                | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| DIAZINON, TOTAL (UG/L)                 | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| METHYL PARATHION, TOTAL (UG/L)         | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| 2,4-D, TOTAL (UG/L)                    | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| 2,4,5-T, TOTAL (UG/L)                  | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| MIREX, TOTAL (UG/L)                    | 1           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| SILVEX, TOTAL (UG/L)                   | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| TRITHION, TOTAL (UG/L)                 | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| METHYL TRITHION, TOTAL (UG/L)          | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)        | 7           | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293454098375701

WELL NUMBER: AY-68-27-302

LATITUDE: 293454

LONGITUDE: 0983757

WELL DEPTH: 517.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |        |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|--------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | 50     | 25     | 5      |
| TEMPERATURE (DEG C)                         | 12          | 25.00                  | 22.50   | 23.33  | 0.75               | 25.00                                                                     | 24.00  | 23.00  | 23.00  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 12          | 515.00                 | 479.00  | 499.33 | 9.59               | 515.00                                                                    | 505.50 | 501.00 | 493.50 | 479.00 |
| PH (UNITS)                                  | 8           | 7.90                   | 6.90    | 7.29   | 0.31               | 7.90                                                                      | 7.40   | 7.30   | 7.03   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 6           | 37.00                  | 6.10    | 21.02  | 9.99               | 37.00                                                                     | 26.50  | 21.00  | 15.02  | 6.10   |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 9           | 248.00                 | 230.00  | 238.11 | 5.49               | 248.00                                                                    | 240.00 | 239.00 | 234.00 | 230.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 7           | 302.00                 | 280.00  | 290.71 | 6.40               | 302.00                                                                    | 292.00 | 290.00 | 290.00 | 280.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00   | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                       | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |        |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 7           | 2.60                   | 1.70    | 2.04   | 0.31               | 2.60                                                                      | 2.20   | 1.90   | 1.80   | 1.70   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 7           | 0.66                   | 0.00    | 0.28   | 0.25               | 0.66                                                                      | 0.45   | 0.26   | 0.01   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 9           | 0.14                   | 0.00    | 0.03   | 0.05               | 0.14                                                                      | 0.07   | 0.00   | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 7           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01   | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 6           | 1.80                   | 1.60    | 1.72   | 0.08               | 1.80                                                                      | 1.80   | 1.70   | 1.68   | 1.60   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 9           | 2.00                   | 1.60    | 1.74   | 0.11               | 2.00                                                                      | 1.80   | 1.70   | 1.70   | 1.60   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 9           | 0.04                   | 0.00    | 0.01   | 0.02               | 0.04                                                                      | 0.03   | 0.01   | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 7           | 1.90                   | 0.00    | 0.60   | 0.62               | 1.90                                                                      | 0.70   | 0.40   | 0.30   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 9           | 270.00                 | 250.00  | 256.67 | 7.07               | 270.00                                                                    | 260.00 | 260.00 | 250.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L AS CaCO3)      | 9           | 26.00                  | 14.00   | 20.22  | 4.60               | 26.00                                                                     | 25.00  | 19.00  | 16.00  | 14.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 9           | 87.00                  | 71.00   | 82.33  | 4.85               | 87.00                                                                     | 86.00  | 82.00  | 81.00  | 71.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 9           | 18.00                  | 11.00   | 12.67  | 2.06               | 18.00                                                                     | 12.50  | 12.00  | 12.00  | 11.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 8           | 6.10                   | 5.50    | 5.89   | 0.20               | 6.10                                                                      | 6.08   | 5.90   | 5.80   | 5.50   |
| SODIUM ADSORPTION RATIO                     | 8           | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20   | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 8           | 0.90                   | 0.60    | 0.76   | 0.11               | 0.90                                                                      | 0.80   | 0.80   | 0.65   | 0.60   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 10          | 18.00                  | 9.10    | 11.51  | 2.45               | 18.00                                                                     | 12.00  | 11.00  | 10.00  | 9.10   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 9           | 14.00                  | 9.20    | 10.99  | 1.41               | 14.00                                                                     | 11.50  | 11.00  | 9.85   | 9.20   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 8           | 0.40                   | 0.10    | 0.18   | 0.12               | 0.40                                                                      | 0.28   | 0.10   | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 9           | 15.00                  | 10.00   | 11.33  | 1.41               | 15.00                                                                     | 11.00  | 11.00  | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 12          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00   | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00   | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00   | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00   | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 7           | 2.00                   | 0.00    | 0.43   | 0.79               | 2.00                                                                      | 1.00   | 0.00   | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 3           | 0.10                   | 0.00    |        |                    |                                                                           |        |        |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 9           | 297.00                 | 269.00  | 280.22 | 8.38               | 297.00                                                                    | 285.00 | 280.00 | 274.00 | 269.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 6           | 0.39                   | 0.37    | 0.38   | 0.01               | 0.39                                                                      | 0.38   | 0.38   | 0.38   | 0.37   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293454098375701

WELL NUMBER: AY-68-27-302

LATITUDE: 293454

LONGITUDE: 0983757

WELL DEPTH: 517.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 9                      | 1.00    | 0.00    | 0.22   | 0.44               | 1.00                                                                      | 0.50   | 0.00      | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 6                      | 30.00   | 0.00    | 19.67  | 15.25              | 30.00                                                                     | 30.00  | 29.00     | 0.00   | 0.00   |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 8                      | 3.00    | 0.00    | 0.38   | 1.06               | 3.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 8                      | 10.00   | 0.00    | 3.75   | 5.18               | 10.00                                                                     | 10.00  | 0.00      | 0.00   | 0.00   |
| COBALT, DISSOLVED (UG/L AS CO)        | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COPPER, DISSOLVED (UG/L AS CU)        | 9                      | 4.00    | 0.00    | 2.44   | 1.13               | 4.00                                                                      | 3.00   | 3.00      | 2.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 8                      | 30.00   | 0.00    | 4.25   | 10.50              | 30.00                                                                     | 3.00   | 0.00      | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 8                      | 40.00   | 0.00    | 5.00   | 14.14              | 40.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 3                      | 2.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 3                      | 970.00  | 330.00  |        |                    |                                                                           |        |           |        |        |
| VANADIUM, DISSOLVED (UG/L AS V)       | 2                      | 1.50    | 1.30    |        |                    |                                                                           |        |           |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 9                      | 620.00  | 200.00  | 381.11 | 139.23             | 620.00                                                                    | 490.00 | 380.00    | 270.00 | 200.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 6                      | 2.00    | 0.00    | 0.50   | 0.84               | 2.00                                                                      | 1.25   | 0.00      | 0.00   | 0.00   |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ALDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| LINDANE, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| CHLORDANE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDD, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDE, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDT, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIELDRIN, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ENDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TOXAPHENE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PCB, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)       | 9                      | 0.10    | 0.00    | 0.01   | 0.03               | 0.10                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293518098373201

WELL NUMBER: AY-68-27-303

LATITUDE: 293518

LONGITUDE: 0983732

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                          | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 25                     | 22.50   | 22.00   | 22.36  | 0.23               | 22.50                                                                     | 22.50  | 22.50     | 22.00  | 22.00  |
| TEMPERATURE (DEG C)                      | 15                     | 23.00   | 22.50   | 22.85  | 0.23               | 23.00                                                                     | 23.00  | 23.00     | 22.50  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 39                     | 536.00  | 470.00  | 516.26 | 14.06              | 536.00                                                                    | 528.00 | 516.00    | 508.00 | 494.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | 14                     | 1.20    | 0.20    | 0.66   | 0.33               | 1.20                                                                      | 0.95   | 0.60      | 0.40   | 0.20   |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL) (MG/L) | 7                      | 21.00   | 4.00    | 10.00  | 7.46               | 21.00                                                                     | 20.00  | 6.00      | 4.00   | 4.00   |
| OXYGEN DEMAND,CHEMICAL(HIGH LEVEL)(MG/L) | 4                      | 14.00   | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                               | 25                     | 7.30    | 6.70    | 7.10   | 0.17               | 7.30                                                                      | 7.20   | 7.20      | 7.00   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 22                     | 96.00   | 24.00   | 38.14  | 16.30              | 90.90                                                                     | 48.00  | 30.50     | 30.00  | 24.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 25                     | 254.00  | 238.00  | 246.60 | 3.40               | 252.80                                                                    | 249.50 | 246.00    | 245.50 | 238.90 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 22                     | 310.00  | 290.00  | 300.14 | 4.50               | 310.00                                                                    | 301.25 | 300.00    | 298.50 | 290.60 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 22                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, RESIDUE AT 105 DEG. C, (MG/L)    | 5                      | 8.00    | 0.00    | 3.40   | 3.78               | 8.00                                                                      | 7.50   | 1.00      | 0.50   | 0.00   |
| SOLIDS, VOLATILE, SUSPENDED (MG/L)       | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                    | 4                      | 4.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)              | 18                     | 3.80    | 0.25    | 2.47   | 0.90               | 3.80                                                                      | 3.20   | 2.55      | 2.15   | 0.25   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)      | 16                     | 1.40    | 0.00    | 0.36   | 0.35               | 1.40                                                                      | 0.51   | 0.29      | 0.13   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)      | 23                     | 0.37    | 0.00    | 0.04   | 0.09               | 0.34                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)      | 18                     | 0.04    | 0.00    | 0.01   | 0.01               | 0.04                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 16                     | 2.70    | 0.01    | 1.95   | 0.79               | 2.70                                                                      | 2.40   | 2.20      | 1.80   | 0.01   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)      | 21                     | 2.50    | 0.01    | 1.97   | 0.67               | 2.49                                                                      | 2.40   | 2.20      | 1.95   | 0.03   |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 23                     | 0.03    | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)        | 14                     | 6.40    | 0.00    | 1.47   | 1.86               | 6.40                                                                      | 2.95   | 0.75      | 0.00   | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 17                     | 96.00   | 85.00   | 91.47  | 2.48               | 96.00                                                                     | 93.00  | 92.00     | 90.00  | 85.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 17                     | 14.00   | 8.70    | 10.22  | 1.20               | 14.00                                                                     | 11.00  | 10.00     | 9.35   | 8.70   |
| SODIUM, DISSOLVED (MG/L AS Na)           | 17                     | 5.50    | 3.80    | 4.99   | 0.42               | 5.50                                                                      | 5.25   | 5.00      | 4.80   | 3.80   |
| SODIUM ADSORPTION RATIO                  | 17                     | 0.10    | 0.10    | 0.10   | 0.00               | 0.10                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 17                     | 1.00    | 0.70    | 0.81   | 0.09               | 1.00                                                                      | 0.90   | 0.80      | 0.70   | 0.70   |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 17                     | 14.00   | 9.60    | 10.84  | 1.25               | 14.00                                                                     | 11.50  | 10.00     | 10.00  | 9.60   |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 17                     | 16.00   | 1.00    | 9.40   | 3.70               | 16.00                                                                     | 12.00  | 8.80      | 7.55   | 1.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 17                     | 0.50    | 0.10    | 0.14   | 0.10               | 0.50                                                                      | 0.15   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 17                     | 14.00   | 10.00   | 11.18  | 0.81               | 14.00                                                                     | 11.00  | 11.00     | 11.00  | 11.00  |
| COLIFORM, TOTAL, IMMED.(COLS/100 ML)     | 39                     | 330.00  | 0.00    | 10.08  | 53.20              | 50.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS.100 ML) | 22                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF(COLS/100 ML)  | 17                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS/100 ML) | 17                     | 1.00    | 0.00    | 0.06   | 0.24               | 1.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)       | 22                     | 10.00   | 0.00    | 0.45   | 2.13               | 8.50                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)   | 12                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS,DISS.(MG/L)  | 16                     | 298.00  | 278.00  | 288.13 | 4.84               | 298.00                                                                    | 290.00 | 288.00    | 286.00 | 278.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 11                     | 0.41    | 0.38    | 0.39   | 0.01               | 0.41                                                                      | 0.39   | 0.39      | 0.39   | 0.38   |
| BROMIDE, DISSOLVED (MG/L AS BR)          | 2                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293518098373201

WELL NUMBER: AY-68-27-303

LATITUDE: 293518

LONGITUDE: 0983732

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 9                      | 2.00    | 0.00    | 0.60   | 0.74               | 2.00                                                                      | 1.00   | 0.50      | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 8                      | 200.00  | 0.00    | 53.75  | 90.86              | 200.00                                                                    | 157.50 | 0.00      | 0.00   | 0.00   |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 9                      | 2.00    | 0.00    | 0.22   | 0.67               | 2.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 9                      | 10.00   | 0.00    | 1.78   | 3.67               | 10.00                                                                     | 3.00   | 0.00      | 0.00   | 0.00   |
| COPPER, DISSOLVED (UG/L AS CU)        | 9                      | 2.00    | 0.00    | 0.22   | 0.67               | 2.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 9                      | 20.00   | 0.00    | 8.89   | 10.54              | 20.00                                                                     | 20.00  | 0.00      | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 13                     | 5.00    | 0.00    | 1.38   | 1.76               | 5.00                                                                      | 2.50   | 0.00      | 0.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| VANADIUM, DISSOLVED (UG/L AS V)       | 4                      | 2.00    | 1.20    |        |                    |                                                                           |        |           |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 9                      | 380.00  | 200.00  | 268.89 | 52.31              | 380.00                                                                    | 290.00 | 270.00    | 230.00 | 200.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 9                      | 6.00    | 0.00    | 0.78   | 1.99               | 6.00                                                                      | 0.50   | 0.00      | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ALDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| LINDANE, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| CHLORDANE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDD, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDE, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDT, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIELDRIN, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ENDOSULFAN, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ENDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ETHION, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TOXAPHENE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHOXYCHLOR, TOTAL (UG/L)            | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PCB, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MALATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PARATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIAZINON, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYL PARATHION, TOTAL (UG/L)        | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4-D, TOTAL (UG/L)                   | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4,5-T, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVEX, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TRITHION, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYL TRITHION, TOTAL (UG/L)         | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)       | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293519098373101

WELL NUMBER: AY-68-27-305

LATITUDE: 293519

LONGITUDE: 0983731

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 13          | 22.50                  | 21.00   | 22.12   | 0.42               | 22.50                                                                     | 22.50   | 22.00     | 22.00  | 21.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 12          | 547.00                 | 485.00  | 529.92  | 15.92              | 547.00                                                                    | 539.25  | 533.50    | 526.25 | 485.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 7           | 1.40                   | 0.20    | 0.77    | 0.48               | 1.40                                                                      | 1.30    | 0.70      | 0.30   | 0.20   |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)  | 5           | 20.00                  | 8.00    | 11.80   | 4.97               | 20.00                                                                     | 16.50   | 9.00      | 8.50   | 8.00   |
| OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) | 3           | 9.00                   | 2.00    |         |                    |                                                                           |         |           |        |        |
| PH (UNITS)                                  | 12          | 7.20                   | 6.60    | 6.95    | 0.18               | 7.20                                                                      | 7.00    | 7.00      | 6.83   | 6.60   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 9           | 96.00                  | 31.00   | 51.33   | 19.33              | 96.00                                                                     | 56.00   | 48.00     | 38.50  | 31.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 12          | 260.00                 | 238.00  | 250.50  | 5.54               | 260.00                                                                    | 254.00  | 250.00    | 247.00 | 238.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 9           | 310.00                 | 290.00  | 304.44  | 7.26               | 310.00                                                                    | 310.00  | 310.00    | 300.00 | 290.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 9           | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| SOLIDS, RESIDUE AT 105 DEG. C, SUS. (MG/L)  | 3           | 3.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| OIL AND GREASE (MG/L)                       | 3           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 13          | 3.40                   | 1.80    | 2.88    | 0.51               | 3.40                                                                      | 3.30    | 2.90      | 2.60   | 1.80   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 11          | 1.10                   | 0.09    | 0.41    | 0.31               | 1.10                                                                      | 0.47    | 0.38      | 0.18   | 0.09   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 13          | 0.66                   | 0.00    | 0.07    | 0.18               | 0.66                                                                      | 0.02    | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 13          | 0.05                   | 0.00    | 0.01    | 0.02               | 0.05                                                                      | 0.02    | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 11          | 2.80                   | 1.40    | 2.31    | 0.43               | 2.80                                                                      | 2.60    | 2.40      | 2.00   | 1.40   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 12          | 2.80                   | 1.40    | 2.29    | 0.40               | 2.80                                                                      | 2.58    | 2.35      | 2.03   | 1.40   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 13          | 0.04                   | 0.00    | 0.01    | 0.01               | 0.04                                                                      | 0.02    | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 9           | 2.40                   | 0.40    | 1.26    | 0.56               | 2.40                                                                      | 1.50    | 1.30      | 0.90   | 0.40   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 5           | 11.00                  | 0.80    | 4.32    | 4.45               | 11.00                                                                     | 8.90    | 1.60      | 1.10   | 0.80   |
| HARDNESS (MG/L AS CaCO3)                    | 12          | 290.00                 | 260.00  | 272.50  | 10.55              | 290.00                                                                    | 280.00  | 270.00    | 262.50 | 260.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 12          | 51.00                  | 8.00    | 21.67   | 11.75              | 51.00                                                                     | 28.00   | 19.00     | 14.75  | 8.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 12          | 100.00                 | 90.00   | 94.25   | 3.17               | 100.00                                                                    | 95.75   | 94.00     | 92.00  | 90.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 12          | 9.90                   | 7.90    | 8.98    | 0.57               | 9.90                                                                      | 9.50    | 8.85      | 8.60   | 7.90   |
| SODIUM, DISSOLVED (MG/L AS Na)              | 12          | 5.40                   | 4.40    | 5.10    | 0.27               | 5.40                                                                      | 5.28    | 5.15      | 5.00   | 4.40   |
| SODIUM ADSORPTION RATIO                     | 12          | 0.10                   | 0.10    | 0.10    | 0.00               | 0.10                                                                      | 0.10    | 0.10      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 12          | 0.90                   | 0.70    | 0.81    | 0.08               | 0.90                                                                      | 0.90    | 0.80      | 0.73   | 0.70   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 12          | 15.00                  | 7.90    | 11.12   | 1.69               | 15.00                                                                     | 12.00   | 11.00     | 10.10  | 7.90   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 12          | 23.00                  | 0.00    | 10.13   | 5.11               | 23.00                                                                     | 10.75   | 9.90      | 8.63   | 0.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 12          | 0.40                   | 0.10    | 0.13    | 0.09               | 0.40                                                                      | 0.10    | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 12          | 14.00                  | 10.00   | 11.33   | 0.98               | 14.00                                                                     | 11.75   | 11.00     | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 12          | 6299.99                | 0.00    | 1040.33 | 1844.92            | 6299.99                                                                   | 1475.00 | 310.00    | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 12          | 1.00                   | 0.00    | 0.08    | 0.29               | 1.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 2           | 83.00                  | 0.00    | 15.17   | 27.50              | 83.00                                                                     | 27.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 7           | 0.10                   | 0.00    | 0.01    | 0.04               | 0.10                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 11          | 306.00                 | 287.00  | 294.91  | 6.06               | 306.00                                                                    | 299.00  | 294.00    | 291.00 | 287.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 9           | 0.42                   | 0.39    | 0.40    | 0.01               | 0.42                                                                      | 0.41    | 0.40      | 0.40   | 0.39   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 2           | 0.10                   | 0.10    |         |                    |                                                                           |         |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293519098373101

WELL NUMBER: AY-68-27-305

LATITUDE: 293519

LONGITUDE: 0983731

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |         |         |
|---------------------------------------|------------------------|---------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|---------|---------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25      | 5       |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 9                      | 1.00    | 0.00    | 0.44    | 0.53               | 1.00                                                                      | 1.00    | 0.00      | 0.00    | 0.00    |
| BARIUM, DISSOLVED (UG/L AS BA)        | 9                      | 300.00  | 0.00    | 66.44   | 108.10             | 300.00                                                                    | 117.50  | 30.00     | 0.00    | 0.00    |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 9                      | 0.00    | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 9                      | 10.00   | 0.00    | 1.11    | 3.33               | 10.00                                                                     | 0.00    | 0.00      | 0.00    | 0.00    |
| COPPER, DISSOLVED (UG/L AS CU)        | 9                      | 5.00    | 0.00    | 2.11    | 1.83               | 5.00                                                                      | 3.50    | 2.00      | 0.00    | 0.00    |
| IRON, DISSOLVED (UG/L AS FE)          | 9                      | 70.00   | 0.00    | 10.33   | 23.31              | 70.00                                                                     | 11.50   | 0.00      | 0.00    | 0.00    |
| LEAD, DISSOLVED (UG/L AS PB)          | 12                     | 5.00    | 0.00    | 1.83    | 1.90               | 5.00                                                                      | 3.75    | 1.50      | 0.00    | 0.00    |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 9                      | 20.00   | 0.00    | 4.89    | 8.67               | 20.00                                                                     | 12.00   | 0.00      | 0.00    | 0.00    |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 2.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| SILVER, DISSOLVED (UG/L AS AG)        | 9                      | 0.00    | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |
| VANADIUM, DISSOLVED (UG/L AS V)       | 4                      | 2.30    | 1.40    |         |                    |                                                                           |         |           |         |         |
| ZINC, DISSOLVED (UG/L AS ZN)          | 9                      | 2900.00 | 2000.00 | 2288.89 | 280.38             | 2900.00                                                                   | 2450.00 | 2200.00   | 2100.00 | 2000.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 9                      | 3.00    | 0.00    | 0.44    | 1.01               | 3.00                                                                      | 0.50    | 0.00      | 0.00    | 0.00    |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| ALDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| LINDANE, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| CHLORDANE, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| DDD, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| DDE, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| DDT, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| DIELDRIN, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| ENDOSULFAN, TOTAL (UG/L)              | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| ENDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| ETHION, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| TOXAPHENE, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| HEPTACHLOR, TOTAL (UG/L)              | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| METHOXYCHLOR, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| PCB, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| MALATHION, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| PARATHION, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| DIAZINON, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| METHYL PARATHION, TOTAL (UG/L)        | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| 2,4-D, TOTAL (UG/L)                   | 4                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| 2,4,5-T, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| SILVEX, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| TRITHION, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| METHYL TRITHION, TOTAL (UG/L)         | 3                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| MERCURY, DISSOLVED (UG/L AS HG)       | 9                      | 0.00    | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293402098404501 WELL NUMBER: AY-68-27-503'

LATITUDE: 293402 LONGITUDE: 0984045 WELL DEPTH: 435.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 18          | 25.50                  | 20.00   | 22.17  | 1.34               | 25.50                                                                     | 22.62  | 21.55     | 21.50  | 20.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 21          | 557.00                 | 508.00  | 524.81 | 13.80              | 556.50                                                                    | 533.50 | 521.00    | 514.50 | 508.20 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND,CHEMICAL (LOW LEVEL)(MG/L)  | 1           | 1.00                   | 1.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 15          | 7.70                   | 6.90    | 7.23   | 0.23               | 7.70                                                                      | 7.40   | 7.20      | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 13          | 58.00                  | 9.20    | 28.78  | 14.25              | 58.00                                                                     | 41.00  | 29.00     | 18.00  | 9.20   |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 15          | 240.00                 | 230.00  | 236.27 | 3.15               | 240.00                                                                    | 238.00 | 237.00    | 235.00 | 230.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 13          | 292.00                 | 280.00  | 288.08 | 3.17               | 292.00                                                                    | 290.00 | 289.00    | 287.00 | 280.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 13          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                     | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 10          | 2.30                   | 1.40    | 1.87   | 0.26               | 2.30                                                                      | 2.05   | 1.85      | 1.75   | 1.40   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 10          | 0.57                   | 0.00    | 0.19   | 0.22               | 0.57                                                                      | 0.40   | 0.10      | 0.02   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 17          | 0.10                   | 0.00    | 0.02   | 0.03               | 0.10                                                                      | 0.05   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 10          | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 9           | 1.80                   | 1.30    | 1.64   | 0.14               | 1.80                                                                      | 1.70   | 1.70      | 1.60   | 1.30   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 17          | 2.70                   | 1.20    | 1.68   | 0.31               | 2.70                                                                      | 1.70   | 1.70      | 1.60   | 1.20   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 16          | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 12          | 10.00                  | 0.00    | 1.81   | 2.81               | 10.00                                                                     | 2.73   | 0.60      | 0.25   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 14          | 270.00                 | 260.00  | 265.71 | 5.14               | 270.00                                                                    | 270.00 | 270.00    | 260.00 | 260.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 14          | 39.00                  | 19.00   | 28.43  | 5.92               | 39.00                                                                     | 31.75  | 28.50     | 23.25  | 19.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 14          | 83.00                  | 78.00   | 81.07  | 1.94               | 83.00                                                                     | 83.00  | 81.50     | 79.00  | 78.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 14          | 16.00                  | 14.00   | 15.07  | 0.62               | 16.00                                                                     | 15.25  | 15.00     | 15.00  | 14.00  |
| SODIUM, DISSOLVED (MG/L AS NA)            | 13          | 7.40                   | 6.10    | 6.84   | 0.38               | 7.40                                                                      | 7.15   | 6.90      | 6.55   | 6.10   |
| SODIUM ADSORPTION RATIO                   | 13          | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 13          | 1.20                   | 0.70    | 0.94   | 0.13               | 1.20                                                                      | 1.00   | 0.90      | 0.90   | 0.70   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 16          | 17.00                  | 11.00   | 13.81  | 1.83               | 17.00                                                                     | 14.75  | 13.00     | 13.00  | 11.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 15          | 23.00                  | 16.00   | 18.53  | 2.13               | 23.00                                                                     | 20.00  | 18.00     | 17.00  | 16.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 12          | 0.20                   | 0.10    | 0.18   | 0.05               | 0.20                                                                      | 0.20   | 0.20      | 0.12   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 13          | 12.00                  | 10.00   | 11.00  | 0.58               | 12.00                                                                     | 11.00  | 11.00     | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 21          | 30.00                  | 0.00    | 1.48   | 6.54               | 27.10                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.45 UM-MF(COLS./100 ML)  | 13          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 7           | 14.00                  | 0.00    | 2.29   | 5.22               | 14.00                                                                     | 2.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 13          | 2.00                   | 0.00    | 0.31   | 0.75               | 2.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 8           | 0.10                   | 0.00    | 0.03   | 0.05               | 0.10                                                                      | 0.08   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 13          | 294.00                 | 282.00  | 289.15 | 3.13               | 294.00                                                                    | 291.00 | 289.00    | 287.50 | 282.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 10          | 0.40                   | 0.38    | 0.39   | 0.01               | 0.40                                                                      | 0.40   | 0.39      | 0.39   | 0.38   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293402098404501

WELL NUMBER: AY-68-27-503

LATITUDE: 293402

LONGITUDE: 0984045

WELL DEPTH: 435.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |      |      |
|---------------------------------------|------------------------|---------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 11                     | 1.00    | 0.00    | 0.27  | 0.47               | 1.00                                                                      | 1.00  | 0.00      | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 8                      | 300.00  | 0.00    | 52.50 | 101.10             | 300.00                                                                    | 30.00 | 30.00     | 0.00 | 0.00 |
| BORON, DISSOLVED (UG/L AS B)          | 1                      | 50.00   | 50.00   |       |                    |                                                                           |       |           |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 10                     | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 10                     | 10.00   | 0.00    | 2.00  | 4.22               | 10.00                                                                     | 2.50  | 0.00      | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 12                     | 7.00    | 0.00    | 2.75  | 2.01               | 7.00                                                                      | 4.00  | 2.50      | 1.25 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 11                     | 20.00   | 0.00    | 3.64  | 8.09               | 20.00                                                                     | 0.00  | 0.00      | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 11                     | 2.00    | 0.00    | 0.45  | 0.82               | 2.00                                                                      | 1.00  | 0.00      | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 11                     | 50.00   | 0.00    | 4.55  | 15.08              | 50.00                                                                     | 0.00  | 0.00      | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 3                      | 440.00  | 360.00  |       |                    |                                                                           |       |           |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 2                      | 2.20    | 1.20    |       |                    |                                                                           |       |           |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 12                     | 30.00   | 0.00    | 4.92  | 9.77               | 30.00                                                                     | 4.75  | 0.00      | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 4                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ETHION, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR, EPOXIDE TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| TRITHION, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 11                     | 0.40    | 0.00    | 0.06  | 0.14               | 0.40                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293345098405801

WELL NUMBER: AY-68-27-504

LATITUDE: 293345

LONGITUDE: 0984058

WELL DEPTH: 508.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                             | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 23                     | 24.00   | 20.00   | 22.12  | 1.23                  | 24.00                                                                        | 23.00  | 22.00        | 21.00  | 20.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 22                     | 587.00  | 449.00  | 540.41 | 34.41                 | 585.80                                                                       | 564.00 | 555.50       | 518.50 | 455.15 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 2                      | 0.60    | 0.10    |        |                       |                                                                              |        |              |        |        |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)  | 1                      | 7.00    | 7.00    |        |                       |                                                                              |        |              |        |        |
| PH (UNITS)                                  | 16                     | 8.00    | 6.90    | 7.31   | 0.33                  | 8.00                                                                         | 7.47   | 7.35         | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 14                     | 62.00   | 4.90    | 26.36  | 17.39                 | 62.00                                                                        | 41.25  | 19.50        | 16.75  | 4.90   |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 16                     | 272.00  | 197.00  | 246.25 | 17.73                 | 272.00                                                                       | 255.50 | 251.00       | 236.25 | 197.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 14                     | 332.00  | 240.00  | 300.43 | 23.24                 | 332.00                                                                       | 313.50 | 307.00       | 285.25 | 240.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 14                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                       | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 10                     | 2.20    | 1.00    | 1.45   | 0.37                  | 2.20                                                                         | 1.73   | 1.40         | 1.10   | 1.00   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 9                      | 0.95    | 0.08    | 0.36   | 0.36                  | 0.95                                                                         | 0.76   | 0.16         | 0.10   | 0.08   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 20                     | 0.26    | 0.00    | 0.03   | 0.06                  | 0.25                                                                         | 0.05   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 10                     | 0.03    | 0.00    | 0.01   | 0.01                  | 0.03                                                                         | 0.01   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 9                      | 1.20    | 0.87    | 1.01   | 0.13                  | 1.20                                                                         | 1.15   | 0.96         | 0.91   | 0.87   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 20                     | 1.90    | 0.88    | 1.25   | 0.35                  | 1.89                                                                         | 1.55   | 1.10         | 0.97   | 0.88   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 20                     | 0.12    | 0.00    | 0.03   | 0.03                  | 0.12                                                                         | 0.05   | 0.02         | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 12                     | 6.10    | 0.30    | 1.68   | 1.64                  | 6.10                                                                         | 2.58   | 1.05         | 0.65   | 0.30   |
| HARDNESS (MG/L AS CaCO3)                    | 16                     | 300.00  | 220.00  | 278.13 | 19.74                 | 300.00                                                                       | 290.00 | 280.00       | 270.00 | 220.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 16                     | 48.00   | 22.00   | 30.25  | 6.59                  | 48.00                                                                        | 35.75  | 28.00        | 26.00  | 22.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 16                     | 94.00   | 71.00   | 88.44  | 5.99                  | 94.00                                                                        | 93.00  | 89.50        | 85.00  | 71.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 18                     | 17.00   | 10.00   | 13.67  | 1.78                  | 17.00                                                                        | 14.25  | 13.00        | 13.00  | 10.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 16                     | 9.20    | 6.80    | 8.44   | 0.70                  | 9.20                                                                         | 9.00   | 8.65         | 8.05   | 6.80   |
| SODIUM ADSORPTION RATIO                     | 16                     | 0.20    | 0.20    | 0.20   | 0.00                  | 0.20                                                                         | 0.20   | 0.20         | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 16                     | 2.20    | 1.00    | 1.46   | 0.31                  | 2.20                                                                         | 1.50   | 1.40         | 1.30   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 20                     | 18.00   | 10.00   | 14.20  | 2.07                  | 17.90                                                                        | 16.00  | 14.50        | 12.25  | 10.05  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 18                     | 34.00   | 19.00   | 24.83  | 3.88                  | 34.00                                                                        | 26.00  | 24.00        | 22.00  | 19.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 15                     | 0.30    | 0.20    | 0.21   | 0.04                  | 0.30                                                                         | 0.20   | 0.20         | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 16                     | 435.00  | 10.00   | 37.37  | 106.04                | 435.00                                                                       | 11.75  | 11.00        | 10.00  | 10.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 25                     | 1400.00 | 0.00    | 281.92 | 490.06                | 1400.00                                                                      | 385.00 | 14.00        | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 18                     | 250.00  | 0.00    | 19.83  | 58.98                 | 250.00                                                                       | 8.50   | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 6                      | 30.00   | 0.00    | 9.00   | 12.59                 | 30.00                                                                        | 21.75  | 2.50         | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 6                      | 46.00   | 0.00    | 14.33  | 18.14                 | 46.00                                                                        | 30.25  | 7.50         | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 18                     | 2800.00 | 0.00    | 167.83 | 657.56                | 2800.00                                                                      | 13.75  | 0.00         | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 11                     | 0.10    | 0.00    | 0.02   | 0.04                  | 0.10                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 15                     | 336.00  | 249.00  | 308.40 | 22.17                 | 336.00                                                                       | 320.00 | 315.00       | 298.00 | 249.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 8                      | 0.46    | 0.34    | 0.41   | 0.04                  | 0.46                                                                         | 0.44   | 0.42         | 0.38   | 0.34   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.10    | 0.10    |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293345098405801

WELL NUMBER: AY-68-27-504

LATITUDE: 293345

LONGITUDE: 0984058

WELL DEPTH: 508.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |      |      |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|--------|--------------|------|------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 11                     | 1.00    | 0.00    | 0.36  | 0.50                  | 1.00                                                                         | 1.00   | 0.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 7                      | 400.00  | 0.00    | 98.57 | 149.83                | 400.00                                                                       | 200.00 | 30.00        | 0.00 | 0.00 |
| BORON, DISSOLVED (UG/L AS B)          | 2                      | 960.00  | 60.00   |       |                       |                                                                              |        |              |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 9                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 9                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 13                     | 10.00   | 0.00    | 3.69  | 2.39                  | 10.00                                                                        | 4.50   | 3.00         | 2.50 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 12                     | 30.00   | 0.00    | 4.17  | 9.96                  | 30.00                                                                        | 0.00   | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 12                     | 2.00    | 0.00    | 0.25  | 0.62                  | 2.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 10                     | 40.00   | 0.00    | 4.00  | 12.65                 | 40.00                                                                        | 0.00   | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 3                      | 600.00  | 260.00  |       |                       |                                                                              |        |              |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 2                      | 0.80    | 0.30    |       |                       |                                                                              |        |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 13                     | 60.00   | 0.00    | 12.62 | 21.88                 | 60.00                                                                        | 25.00  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 4                      | 100.00  | 0.00    |       |                       |                                                                              |        |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 1.00    | 0.00    | 0.57  | 0.53                  | 1.00                                                                         | 1.00   | 1.00         | 0.00 | 0.00 |
| PERTHANE, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ALDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| LINDANE, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| CHLORDANE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DDD, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DDE, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DDT, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DIELDRIN, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ENDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ETHION, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| PCB, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| MALATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| PARATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DIAZINON, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 4                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| 2,4-D, TOTAL (UG/L)                   | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| MIREX, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| SILVEX, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| TRITHION, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 12                     | 0.40    | 0.00    | 0.03  | 0.12                  | 0.40                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293346098412401

WELL NUMBER: AY-68-27-507

LATITUDE: 293346

LONGITUDE: 0984124

WELL DEPTH: 385.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |        |        |
|------------------------------------------|-------------|------------------------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|--------|--------|
|                                          |             | MAXIMUM                | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 11          | 23.00                  | 21.40   | 22.12   | 0.46               | 23.00                                                                     | 22.50   | 22.00     | 22.00  | 21.40  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 16          | 507.00                 | 462.00  | 488.06  | 15.97              | 507.00                                                                    | 504.00  | 488.00    | 472.50 | 462.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | 4           | 1.10                   | 0.20    |         |                    |                                                                           |         |           |        |        |
| PH (UNITS)                               | 9           | 7.70                   | 6.80    | 7.33    | 0.36               | 7.70                                                                      | 7.70    | 7.40      | 6.95   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 9           | 72.00                  | 8.60    | 27.64   | 23.24              | 72.00                                                                     | 48.50   | 18.00     | 8.60   | 8.60   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 9           | 231.00                 | 215.00  | 222.22  | 4.60               | 231.00                                                                    | 225.00  | 221.00    | 220.00 | 215.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 9           | 282.00                 | 262.00  | 271.00  | 5.79               | 282.00                                                                    | 274.50  | 270.00    | 268.00 | 262.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 9           | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)              | 2           | 1.40                   | 1.40    |         |                    |                                                                           |         |           |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)      | 2           | 0.04                   | 0.04    |         |                    |                                                                           |         |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)      | 13          | 0.05                   | 0.00    | 0.00    | 0.01               | 0.05                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)      | 2           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 2           | 1.40                   | 1.40    |         |                    |                                                                           |         |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)      | 13          | 1.80                   | 1.30    | 1.57    | 0.19               | 1.80                                                                      | 1.70    | 1.70      | 1.40   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 13          | 0.05                   | 0.00    | 0.01    | 0.02               | 0.05                                                                      | 0.03    | 0.00      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)    | 3           | 11.00                  | 0.00    |         |                    |                                                                           |         |           |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 6           | 260.00                 | 240.00  | 248.33  | 9.83               | 260.00                                                                    | 260.00  | 245.00    | 240.00 | 240.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 6           | 36.00                  | 15.00   | 23.50   | 7.12               | 36.00                                                                     | 28.50   | 22.00     | 18.75  | 15.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 6           | 80.00                  | 70.00   | 74.67   | 3.98               | 80.00                                                                     | 79.25   | 73.50     | 71.50  | 70.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 6           | 16.00                  | 13.00   | 14.67   | 1.21               | 16.00                                                                     | 16.00   | 14.50     | 13.75  | 13.00  |
| SODIUM, DISSOLVED (MG/L AS Na)           | 8           | 7.20                   | 5.90    | 6.37    | 0.39               | 7.20                                                                      | 6.47    | 6.40      | 6.10   | 5.90   |
| SODIUM ADSORPTION RATIO                  | 5           | 0.20                   | 0.20    | 0.20    | 0.00               | 0.20                                                                      | 0.20    | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 8           | 1.20                   | 0.60    | 0.97    | 0.20               | 1.20                                                                      | 1.10    | 1.05      | 0.83   | 0.60   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)         | 11          | 14.00                  | 11.00   | 12.55   | 1.29               | 14.00                                                                     | 14.00   | 12.00     | 11.00  | 11.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 9           | 25.00                  | 13.00   | 17.89   | 5.16               | 25.00                                                                     | 24.50   | 15.00     | 14.00  | 13.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 5           | 0.20                   | 0.10    | 0.18    | 0.04               | 0.20                                                                      | 0.20    | 0.20      | 0.15   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 6           | 11.00                  | 10.00   | 10.50   | 0.55               | 11.00                                                                     | 11.00   | 10.50     | 10.00  | 10.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)    | 18          | 21999.95               | 0.00    | 3429.77 | 6897.82            | 21999.95                                                                  | 2100.00 | 150.00    | 0.00   | 0.00   |
| COLIFORM, FECAL,0.45 UM-MF(COLS./100 ML) | 17          | 150.00                 | 0.00    | 16.00   | 41.73              | 150.00                                                                    | 2.00    | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)       | 17          | 6399.99                | 0.00    | 418.76  | 1549.02            | 6399.99                                                                   | 13.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)   | 8           | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 6           | 281.00                 | 258.00  | 268.83  | 8.33               | 281.00                                                                    | 275.75  | 269.00    | 261.00 | 258.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 2           | 0.37                   | 0.35    |         |                    |                                                                           |         |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293346098412401

WELL NUMBER: AY-68-27-507

LATITUDE: 293346

LONGITUDE: 0984124

WELL DEPTH: 385.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-----------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                   | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 3                      | 2.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| BORON, DISSOLVED (UG/L AS B)      | 5                      | 150.00  | 30.00   | 60.00  | 50.99              | 150.00                                                                    | 100.00 | 40.00     | 30.00  | 30.00  |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COBALT, DISSOLVED (UG/L AS CO)    | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 11.00   | 3.00    | 6.57   | 2.99               | 11.00                                                                     | 10.00  | 6.00      | 4.00   | 3.00   |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 20.00   | 0.00    | 4.29   | 7.87               | 20.00                                                                     | 10.00  | 0.00      | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 2.00    | 0.00    | 0.33   | 0.82               | 2.00                                                                      | 0.50   | 0.00      | 0.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN) | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NICKEL, DISSOLVED (UG/L AS NI)    | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 3                      | 480.00  | 240.00  |        |                    |                                                                           |        |           |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 380.00  | 210.00  | 295.71 | 56.23              | 380.00                                                                    | 330.00 | 300.00    | 240.00 | 210.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 10.00                                                                     | 10.00  | 0.00      | 0.00   | 0.00   |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ALDRIN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| LINDANE, TOTAL (UG/L)             | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| CHLORDANE, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDD, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDT, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIELDRIN, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ENDRIN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TOXAPHENE, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR, TOTAL (UG/L)          | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)  | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PCB, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MALATHION, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PARATHION, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIAZINON, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYL PARATHION, TOTAL (UG/L)    | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4-D, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4,5-T, TOTAL (UG/L)             | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVEX, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)   | 3                      | 0.60    | 0.00    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293410098403201

WELL NUMBER: AY-68-27-508

LATITUDE: 293410

LONGITUDE: 0984032

WELL DEPTH: 343.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                          | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 6                      | 23.00   | 21.80   | 22.15  | 0.50               | 23.00                                                                     | 22.62  | 21.90     | 21.80  | 21.80  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 7                      | 538.00  | 517.00  | 527.57 | 6.73               | 538.00                                                                    | 534.00 | 526.00    | 526.00 | 517.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | 1                      | 0.40    | 0.40    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                               | 6                      | 7.50    | 7.10    | 7.28   | 0.17               | 7.50                                                                      | 7.42   | 7.30      | 7.10   | 7.10   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 6                      | 37.00   | 15.00   | 26.17  | 9.77               | 37.00                                                                     | 37.00  | 24.50     | 18.00  | 15.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 6                      | 244.00  | 236.00  | 240.33 | 2.94               | 244.00                                                                    | 243.25 | 240.00    | 238.25 | 236.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 6                      | 297.00  | 288.00  | 293.17 | 3.25               | 297.00                                                                    | 296.25 | 293.00    | 291.00 | 288.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)              | 1                      | 1.80    | 1.80    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)      | 1                      | 0.08    | 0.08    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)      | 6                      | 0.12    | 0.00    | 0.02   | 0.05               | 0.12                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)      | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 1.70    | 1.70    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)      | 6                      | 2.70    | 1.30    | 1.85   | 0.54               | 2.70                                                                      | 2.25   | 1.85      | 1.30   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 6                      | 0.01    | 0.00    | 0.00   | 0.01               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)    | 2                      | 2.50    | 2.40    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 5                      | 280.00  | 270.00  | 274.00 | 5.48               | 280.00                                                                    | 280.00 | 270.00    | 270.00 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 5                      | 44.00   | 23.00   | 32.00  | 10.98              | 44.00                                                                     | 44.00  | 25.00     | 23.50  | 23.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 5                      | 89.00   | 83.00   | 86.60  | 2.61               | 89.00                                                                     | 89.00  | 87.00     | 84.00  | 83.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 5                      | 15.00   | 12.00   | 13.80  | 1.30               | 15.00                                                                     | 15.00  | 14.00     | 12.50  | 12.00  |
| SODIUM, DISSOLVED (MG/L AS Na)           | 4                      | 7.40    | 6.70    |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                  | 4                      | 0.20    | 0.20    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 4                      | 0.80    | 0.50    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS Cl)         | 6                      | 14.00   | 12.00   | 12.67  | 0.82               | 14.00                                                                     | 13.25  | 12.50     | 12.00  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 6                      | 26.00   | 16.00   | 20.83  | 3.76               | 26.00                                                                     | 23.75  | 21.00     | 17.50  | 16.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 2                      | 0.20    | 0.20    |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 3                      | 11.00   | 11.00   |        |                    |                                                                           |        |           |        |        |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)    | 7                      | 10.00   | 0.00    | 1.86   | 3.76               | 10.00                                                                     | 3.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.45 UM-MF(COLS./100 ML) | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL(COLS./100 ML)        | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)   | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 3                      | 299.00  | 293.00  |        |                    |                                                                           |        |           |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 2                      | 0.41    | 0.40    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293410098403201

WELL NUMBER: AY-68-27-508

LATITUDE: 293410

LONGITUDE: 0984032

WELL DEPTH: 343.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|-----------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 3                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COBALT, DISSOLVED (UG/L AS CO)    | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COPPER, DISSOLVED (UG/L AS CU)    | 3                      | 2.00    | 2.00    |      |                       |                                                                              |    |              |    |   |
| IRON, DISSOLVED (UG/L AS FE)      | 2                      | 20.00   | 20.00   |      |                       |                                                                              |    |              |    |   |
| LEAD, DISSOLVED (UG/L AS PB)      | 3                      | 2.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MANGANESE, DISSOLVED (UG/L AS MN) | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| NICKEL, DISSOLVED (UG/L AS NI)    | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 2                      | 420.00  | 410.00  |      |                       |                                                                              |    |              |    |   |
| ZINC, DISSOLVED (UG/L AS ZN)      | 3                      | 460.00  | 210.00  |      |                       |                                                                              |    |              |    |   |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MERCURY, DISSOLVED (UG/L AS HG)   | 3                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293410098404601 WELL NUMBER: AY-68-27-509

LATITUDE: 293410 LONGITUDE: 0984046 WELL DEPTH: 343.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                  | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |        |        |
|--------------------------------------------|-------------|------------------------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|--------|--------|
|                                            |             | MAXIMUM                | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                        | 3           | 23.00                  | 22.80   |         |                    |                                                                           |         |           |        |        |
| SPECIFIC CONDUCTANCE (UMHOS)               | 5           | 570.00                 | 539.00  | 554.80  | 11.56              | 570.00                                                                    | 565.50  | 552.00    | 545.50 | 539.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)   | 3           | 2.10                   | 0.30    |         |                    |                                                                           |         |           |        |        |
| PH (UNITS)                                 | 4           | 8.00                   | 7.00    |         |                    |                                                                           |         |           |        |        |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)    | 4           | 48.00                  | 5.00    |         |                    |                                                                           |         |           |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)           | 4           | 254.00                 | 243.00  |         |                    |                                                                           |         |           |        |        |
| BICARBONATE FET-FLD (MG/L AS HCO3)         | 4           | 310.00                 | 296.00  |         |                    |                                                                           |         |           |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)            | 4           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)        | 13          | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)        | 13          | 2.70                   | 1.10    | 1.68    | 0.36               | 2.70                                                                      | 1.80    | 1.60      | 1.55   | 1.10   |
| PHOSPHORUS, TOTAL (MG/L AS P)              | 13          | 0.07                   | 0.00    | 0.04    | 0.02               | 0.07                                                                      | 0.04    | 0.04      | 0.03   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                   | 4           | 290.00                 | 280.00  |         |                    |                                                                           |         |           |        |        |
| HARDNESS, NONCARBONATE (MG/L CaCO3)        | 4           | 40.00                  | 32.00   |         |                    |                                                                           |         |           |        |        |
| CALCIUM, DISSOLVED (MG/L AS Ca)            | 4           | 91.00                  | 88.00   |         |                    |                                                                           |         |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)          | 5           | 16.00                  | 13.00   | 15.00   | 1.41               | 16.00                                                                     | 16.00   | 16.00     | 13.50  | 13.00  |
| SODIUM, DISSOLVED (MG/L AS Na)             | 1           | 8.50                   | 8.50    |         |                    |                                                                           |         |           |        |        |
| SODIUM ADSORPTION RATIO                    | 1           | 0.20                   | 0.20    |         |                    |                                                                           |         |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)           | 1           | 1.30                   | 1.30    |         |                    |                                                                           |         |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS Cl)           | 5           | 16.00                  | 14.00   | 14.60   | 0.89               | 16.00                                                                     | 15.50   | 14.00     | 14.00  | 14.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)           | 5           | 33.00                  | 25.00   | 28.40   | 3.13               | 33.00                                                                     | 31.00   | 29.00     | 25.50  | 25.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)            | 2           | 0.20                   | 0.20    |         |                    |                                                                           |         |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)           | 2           | 12.00                  | 11.00   |         |                    |                                                                           |         |           |        |        |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)     | 21          | 6499.99                | 33.00   | 1255.62 | 1827.29            | 6429.98                                                                   | 1600.00 | 460.00    | 232.50 | 41.70  |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) | 21          | 130.00                 | 0.00    | 6.95    | 28.28              | 118.00                                                                    | 0.50    | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)         | 21          | 280.00                 | 0.00    | 19.52   | 62.11              | 259.10                                                                    | 4.50    | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)     | 12          | 0.03                   | 0.00    | 0.00    | 0.01               | 0.03                                                                      | 0.00    | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)  | 2           | 314.00                 | 312.00  |         |                    |                                                                           |         |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293410098404601 WELL NUMBER: AY-68-27-509

LATITUDE: 293410 LONGITUDE: 0984046 WELL DEPTH: 343.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT       | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|---------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                 | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| ARSENIC, DISSOLVED (UG/L AS AS) | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COPPER, DISSOLVED (UG/L AS CU)  | 2                      | 5.00    | 1.00    |      |                       |                                                                              |    |              |    |   |
| LEAD, DISSOLVED (UG/L AS PB)    | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ZINC, DISSOLVED (UG/L AS ZN)    | 2                      | 40.00   | 30.00   |      |                       |                                                                              |    |              |    |   |
| MERCURY, DISSOLVED (UG/L AS HG) | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293255098373401

WELL NUMBER: AY-68-27-606

LATITUDE: 293255

LONGITUDE: 0983734

WELL DEPTH: 603.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                             | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 9                      | 24.50   | 22.00   | 22.99  | 0.90                  | 24.50                                                                        | 23.75  | 22.60        | 22.50  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 9                      | 574.00  | 494.00  | 519.89 | 24.53                 | 574.00                                                                       | 531.50 | 515.00       | 502.00 | 494.00 |
| PH (UNITS)                                  | 7                      | 7.40    | 6.90    | 7.14   | 0.19                  | 7.40                                                                         | 7.40   | 7.10         | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 7                      | 60.00   | 18.00   | 36.71  | 14.50                 | 60.00                                                                        | 46.00  | 38.00        | 20.00  | 18.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 8                      | 252.00  | 236.00  | 243.63 | 6.05                  | 252.00                                                                       | 249.00 | 245.00       | 237.25 | 236.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 8                      | 307.00  | 288.00  | 296.50 | 6.76                  | 307.00                                                                       | 300.00 | 299.00       | 289.25 | 288.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 8                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 3                      | 3.30    | 2.50    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 3                      | 1.00    | 0.11    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 9                      | 0.07    | 0.00    | 0.01   | 0.02                  | 0.07                                                                         | 0.01   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 3                      | 0.01    | 0.01    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 3                      | 2.40    | 2.30    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 9                      | 2.40    | 1.40    | 1.84   | 0.40                  | 2.40                                                                         | 2.35   | 1.70         | 1.55   | 1.40   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 9                      | 0.01    | 0.00    | 0.00   | 0.00                  | 0.01                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 5                      | 7.70    | 0.20    | 2.68   | 2.91                  | 7.70                                                                         | 5.05   | 1.60         | 0.85   | 0.20   |
| HARDNESS (MG/L AS CaCO3)                    | 8                      | 300.00  | 250.00  | 266.25 | 15.98                 | 300.00                                                                       | 270.00 | 265.00       | 252.50 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 8                      | 44.00   | 6.00    | 22.50  | 11.45                 | 44.00                                                                        | 28.75  | 22.50        | 14.00  | 6.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 8                      | 97.00   | 80.00   | 86.00  | 5.61                  | 97.00                                                                        | 90.00  | 84.50        | 82.00  | 80.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 8                      | 15.00   | 9.70    | 12.34  | 1.98                  | 15.00                                                                        | 14.00  | 12.50        | 10.25  | 9.70   |
| SODIUM, DISSOLVED (MG/L AS Na)              | 7                      | 6.50    | 4.20    | 5.69   | 0.83                  | 6.50                                                                         | 6.20   | 6.10         | 4.90   | 4.20   |
| SODIUM ADSORPTION RATIO                     | 7                      | 0.20    | 0.10    | 0.17   | 0.05                  | 0.20                                                                         | 0.20   | 0.20         | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 7                      | 1.90    | 0.90    | 1.24   | 0.32                  | 1.90                                                                         | 1.30   | 1.20         | 1.10   | 0.90   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 8                      | 24.00   | 9.40    | 12.40  | 4.79                  | 24.00                                                                        | 12.00  | 11.00        | 9.85   | 9.40   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 8                      | 18.00   | 9.80    | 13.72  | 2.95                  | 18.00                                                                        | 16.50  | 14.00        | 11.00  | 9.80   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 7                      | 0.20    | 0.10    | 0.16   | 0.05                  | 0.20                                                                         | 0.20   | 0.20         | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 8                      | 13.00   | 10.00   | 11.75  | 1.04                  | 13.00                                                                        | 12.75  | 12.00        | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 10                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 3                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 3                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 7                      | 3.00    | 0.00    | 0.43   | 1.13                  | 3.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 7                      | 319.00  | 280.00  | 290.71 | 13.50                 | 319.00                                                                       | 293.00 | 289.00       | 281.00 | 280.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 3                      | 0.40    | 0.37    |        |                       |                                                                              |        |              |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293255098373401

WELL NUMBER: AY-68-27-606

LATITUDE: 293255

LONGITUDE: 0983734

WELL DEPTH: 603.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |      |              |      |      |
|-----------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75   | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 5                      | 0.00    | 0.00    | 0.00 | 0.00                  | 0.00                                                                         | 0.00 | 0.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 3                      | 30.00   | 0.00    |      |                       |                                                                              |      |              |      |      |
| BORON, DISSOLVED (UG/L AS B)      | 2                      | 380.00  | 50.00   |      |                       |                                                                              |      |              |      |      |
| CADMIUM DISSOLVED (UG/L AS CD)    | 4                      | 1.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 4                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| COBALT, DISSOLVED (UG/L AS CO)    | 1                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 5                      | 2.00    | 0.00    | 0.80 | 1.10                  | 2.00                                                                         | 2.00 | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 4                      | 20.00   | 0.00    |      |                       |                                                                              |      |              |      |      |
| LEAD, DISSOLVED (UG/L AS PB)      | 4                      | 14.00   | 3.00    |      |                       |                                                                              |      |              |      |      |
| MANGANESE, DISSOLVED (UG/L AS MN) | 3                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| NICKEL, DISSOLVED (UG/L AS NI)    | 1                      | 2.00    | 2.00    |      |                       |                                                                              |      |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 3                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 770.00  | 770.00  |      |                       |                                                                              |      |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 4                      | 630.00  | 30.00   |      |                       |                                                                              |      |              |      |      |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 3                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)   | 4                      | 0.10    | 0.00    |      |                       |                                                                              |      |              |      |      |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293515098325201

WELL NUMBER: AY-68-28-202

LATITUDE: 293515

LONGITUDE: 0983252

WELL DEPTH: 457.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 15          | 24.50                  | 22.00   | 22.91  | 0.66               | 24.50                                                                     | 23.50  | 23.00     | 22.50  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 16          | 553.00                 | 489.00  | 521.94 | 17.94              | 553.00                                                                    | 532.25 | 519.00    | 507.75 | 489.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL) (MG/L)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 12          | 7.40                   | 6.90    | 7.17   | 0.17               | 7.40                                                                      | 7.30   | 7.15      | 7.02   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 10          | 58.00                  | 19.00   | 35.40  | 13.10              | 58.00                                                                     | 48.00  | 33.50     | 24.00  | 19.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 12          | 264.00                 | 238.00  | 246.00 | 7.02               | 264.00                                                                    | 249.00 | 245.00    | 240.75 | 238.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 10          | 322.00                 | 290.00  | 300.20 | 8.98               | 322.00                                                                    | 301.75 | 299.00    | 295.00 | 290.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 10          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 8           | 1.80                   | 0.79    | 1.25   | 0.35               | 1.80                                                                      | 1.50   | 1.25      | 0.95   | 0.79   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 7           | 0.61                   | 0.00    | 0.28   | 0.26               | 0.61                                                                      | 0.58   | 0.16      | 0.03   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 13          | 0.12                   | 0.00    | 0.02   | 0.04               | 0.12                                                                      | 0.04   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 8           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 7           | 0.93                   | 0.69    | 0.86   | 0.08               | 0.93                                                                      | 0.91   | 0.90      | 0.85   | 0.69   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 13          | 1.00                   | 0.69    | 0.90   | 0.07               | 1.00                                                                      | 0.93   | 0.90      | 0.88   | 0.69   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 13          | 0.06                   | 0.00    | 0.02   | 0.02               | 0.06                                                                      | 0.04   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 10          | 4.20                   | 0.00    | 1.67   | 1.60               | 4.20                                                                      | 2.80   | 1.65      | 0.18   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 12          | 310.00                 | 250.00  | 268.33 | 16.97              | 310.00                                                                    | 277.50 | 270.00    | 252.50 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 12          | 41.00                  | 0.00    | 22.33  | 12.99              | 41.00                                                                     | 32.50  | 24.00     | 11.00  | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 12          | 100.00                 | 83.00   | 89.83  | 5.86               | 100.00                                                                    | 95.50  | 89.50     | 84.25  | 83.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 12          | 16.00                  | 7.80    | 10.67  | 2.53               | 16.00                                                                     | 12.50  | 10.00     | 8.73   | 7.80   |
| SODIUM, DISSOLVED (MG/L AS Na)            | 11          | 8.00                   | 5.40    | 6.31   | 0.70               | 8.00                                                                      | 6.70   | 6.10      | 5.80   | 5.40   |
| SODIUM ADSORPTION RATIO                   | 11          | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 11          | 1.30                   | 0.80    | 1.20   | 0.14               | 1.30                                                                      | 1.30   | 1.20      | 1.20   | 0.80   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 13          | 14.00                  | 8.80    | 11.21  | 1.71               | 14.00                                                                     | 13.00  | 11.00     | 9.80   | 8.80   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 12          | 35.00                  | 11.00   | 18.50  | 7.18               | 35.00                                                                     | 22.00  | 17.50     | 12.50  | 11.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 9           | 0.20                   | 0.10    | 0.16   | 0.05               | 0.20                                                                      | 0.20   | 0.20      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 11          | 13.00                  | 10.00   | 11.73  | 1.01               | 13.00                                                                     | 12.00  | 12.00     | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 16          | 15.00                  | 0.00    | 3.44   | 4.79               | 15.00                                                                     | 6.75   | 0.50      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.45 UM-MF(COLS./100 ML)  | 9           | 8.00                   | 0.00    | 0.89   | 2.67               | 8.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.7 UM-MF (COLS./100 ML)  | 7           | 4.00                   | 0.00    | 0.71   | 1.50               | 4.00                                                                      | 1.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 7           | 13.00                  | 0.00    | 2.86   | 4.98               | 13.00                                                                     | 6.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 9           | 15.00                  | 0.00    | 3.56   | 5.70               | 15.00                                                                     | 8.50   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 6           | 0.10                   | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 11          | 318.00                 | 277.00  | 295.36 | 11.47              | 318.00                                                                    | 300.00 | 296.00    | 287.00 | 277.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 5           | 0.42                   | 0.38    | 0.40   | 0.01               | 0.42                                                                      | 0.41   | 0.40      | 0.39   | 0.38   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293515098325201

WELL NUMBER: AY-68-28-202

LATITUDE: 293515

LONGITUDE: 0983252

WELL DEPTH: 457.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |       |       |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|--------|--------------|-------|-------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25    | 5     |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 8                      | 1.00    | 0.00    | 0.63  | 0.52                  | 1.00                                                                         | 1.00   | 1.00         | 0.00  | 0.00  |
| BARIUM, DISSOLVED (UG/L AS BA)        | 6                      | 200.00  | 30.00   | 86.67 | 87.79                 | 200.00                                                                       | 200.00 | 30.00        | 30.00 | 30.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 8                      | 10.00   | 0.00    | 2.50  | 4.63                  | 10.00                                                                        | 7.50   | 0.00         | 0.00  | 0.00  |
| COBALT, DISSOLVED (UG/L AS CO)        | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| COPPER, DISSOLVED (UG/L AS CU)        | 8                      | 12.00   | 0.00    | 4.12  | 3.68                  | 12.00                                                                        | 5.75   | 3.00         | 2.00  | 0.00  |
| IRON, DISSOLVED (UG/L AS FE)          | 8                      | 520.00  | 0.00    | 65.00 | 183.85                | 520.00                                                                       | 0.00   | 0.00         | 0.00  | 0.00  |
| LEAD, DISSOLVED (UG/L AS PB)          | 8                      | 15.00   | 0.00    | 2.13  | 5.25                  | 15.00                                                                        | 1.50   | 0.00         | 0.00  | 0.00  |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 8                      | 5.00    | 0.00    | 0.62  | 1.77                  | 5.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 4.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| SILVER, DISSOLVED (UG/L AS AG)        | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 2                      | 230.00  | 230.00  |       |                       |                                                                              |        |              |       |       |
| VANADIUM, DISSOLVED (UG/L AS V)       | 1                      | 2.50    | 2.50    |       |                       |                                                                              |        |              |       |       |
| ZINC, DISSOLVED (UG/L AS ZN)          | 8                      | 8.00    | 0.00    | 2.00  | 3.70                  | 8.00                                                                         | 6.00   | 0.00         | 0.00  | 0.00  |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| ALDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| LINDANE, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| CHLORDANE, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| DDD, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| DDE, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| DDT, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| DIELDRIN, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| ENDOSULFAN, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| ENDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| ETHION, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| TOXAPHENE, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| HEPTACHLOR, TOTAL (UG/L)              | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| METHOXYCHLOR, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| PCB, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| MALATHION, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| PARATHION, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| DIAZINON, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| METHYL PARATHION, TOTAL (UG/L)        | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| 2,4-D, TOTAL (UG/L)                   | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| 2,4,5-T, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| SILVEX, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| TRITHION, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| METHYL TRITHION, TOTAL (UG/L)         | 2                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |       |       |
| MERCURY, DISSOLVED (UG/L AS HG)       | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293518098332601

WELL NUMBER: AY-68-28-203

LATITUDE: 293518

LONGITUDE: 0983326

WELL DEPTH: 435.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 17                     | 24.50   | 22.50   | 23.41  | 0.52               | 24.50                                                                     | 23.90  | 23.40     | 23.00  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 19                     | 615.00  | 480.00  | 524.47 | 37.47              | 615.00                                                                    | 553.00 | 512.00    | 497.00 | 480.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 14                     | 7.30    | 6.60    | 7.01   | 0.23               | 7.30                                                                      | 7.20   | 7.05      | 6.80   | 6.60   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 11                     | 113.00  | 25.00   | 55.09  | 29.88              | 113.00                                                                    | 78.00  | 51.00     | 29.00  | 25.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 13                     | 271.00  | 230.00  | 247.92 | 12.59              | 271.00                                                                    | 261.00 | 244.00    | 238.00 | 230.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 11                     | 330.00  | 280.00  | 304.09 | 16.23              | 330.00                                                                    | 320.00 | 304.00    | 290.00 | 280.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 11                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 7                      | 1.70    | 0.94    | 1.42   | 0.29               | 1.70                                                                      | 1.70   | 1.50      | 1.20   | 0.94   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 6                      | 0.52    | 0.08    | 0.32   | 0.17               | 0.52                                                                      | 0.51   | 0.31      | 0.18   | 0.08   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 14                     | 0.16    | 0.00    | 0.02   | 0.04               | 0.16                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 7                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 6                      | 1.30    | 0.77    | 1.00   | 0.19               | 1.30                                                                      | 1.15   | 0.97      | 0.84   | 0.77   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 14                     | 1.30    | 0.77    | 0.94   | 0.13               | 1.30                                                                      | 0.99   | 0.90      | 0.86   | 0.77   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 13                     | 0.04    | 0.00    | 0.01   | 0.01               | 0.04                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 8                      | 4.10    | 0.00    | 1.76   | 1.88               | 4.10                                                                      | 3.88   | 1.20      | 0.03   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 12                     | 300.00  | 240.00  | 265.83 | 17.82              | 300.00                                                                    | 280.00 | 260.00    | 250.00 | 240.00 |
| HARDNESS, NONCARBONATE (MG/L AS CaCO3)    | 12                     | 29.00   | 8.00    | 18.00  | 7.11               | 29.00                                                                     | 24.50  | 18.50     | 10.50  | 8.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 12                     | 110.00  | 79.00   | 90.42  | 10.69              | 110.00                                                                    | 100.00 | 84.50     | 82.00  | 79.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 12                     | 14.00   | 5.40    | 9.69   | 2.61               | 14.00                                                                     | 11.00  | 10.50     | 7.45   | 5.40   |
| SODIUM, DISSOLVED (MG/L AS NA)            | 11                     | 8.60    | 4.60    | 6.44   | 1.54               | 8.60                                                                      | 8.30   | 5.70      | 5.10   | 4.60   |
| SODIUM ADSORPTION RATIO                   | 11                     | 0.20    | 0.10    | 0.17   | 0.05               | 0.20                                                                      | 0.20   | 0.20      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 11                     | 1.80    | 0.80    | 1.05   | 0.28               | 1.80                                                                      | 1.10   | 1.00      | 0.90   | 0.80   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 13                     | 26.00   | 8.20    | 13.26  | 5.92               | 26.00                                                                     | 17.50  | 9.40      | 8.60   | 8.20   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 12                     | 18.00   | 4.00    | 10.12  | 4.00               | 18.00                                                                     | 11.75  | 10.50     | 7.43   | 4.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 10                     | 0.30    | 0.10    | 0.14   | 0.07               | 0.30                                                                      | 0.20   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 11                     | 14.00   | 11.00   | 12.55  | 1.04               | 14.00                                                                     | 13.00  | 13.00     | 12.00  | 11.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 19                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML) | 12                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 12                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 11                     | 328.00  | 263.00  | 294.09 | 23.02              | 328.00                                                                    | 315.00 | 282.00    | 274.00 | 263.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 6                      | 0.45    | 0.36    | 0.42   | 0.03               | 0.45                                                                      | 0.44   | 0.43      | 0.41   | 0.36   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293518098332601

WELL NUMBER: AY-68-28-203

LATITUDE: 293518

LONGITUDE: 0983326

WELL DEPTH: 435.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |       |      |
|---------------------------------------|------------------------|---------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|-------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 8                      | 1.00    | 0.00    | 0.38  | 0.52               | 1.00                                                                      | 1.00  | 0.00      | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 6                      | 200.00  | 0.00    | 55.00 | 72.32              | 200.00                                                                    | 80.00 | 30.00     | 22.50 | 0.00 |
| BORON, DISSOLVED (UG/L AS B)          | 1                      | 650.00  | 650.00  |       |                    |                                                                           |       |           |       |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 8                      | 10.00   | 0.00    | 1.25  | 3.54               | 10.00                                                                     | 0.00  | 0.00      | 0.00  | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 8                      | 4.00    | 0.00    | 1.88  | 1.36               | 4.00                                                                      | 2.75  | 2.00      | 0.50  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 8                      | 2.00    | 0.00    | 0.50  | 0.93               | 2.00                                                                      | 1.50  | 0.00      | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 6                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 2                      | 220.00  | 190.00  |       |                    |                                                                           |       |           |       |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 1                      | 2.30    | 2.30    |       |                    |                                                                           |       |           |       |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 8                      | 50.00   | 0.00    | 17.25 | 16.82              | 50.00                                                                     | 27.50 | 14.50     | 2.25  | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 6                      | 1.00    | 0.00    | 0.17  | 0.41               | 1.00                                                                      | 0.25  | 0.00      | 0.00  | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ALDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| LINDANE, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| CHLORDANE, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDD, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDE, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDT, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DIELDRIN, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ENDOSULFAN, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ENDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ETHION, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| TOXAPHENE, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| HEPTACHLOR, TOTAL (UG/L)              | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| PCB, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MALATHION, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| PARATHION, TOTAL (UG/L)               | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DIAZINON, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHYL PARATHION, TOTAL (UG/L)        | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| 2,4-D, TOTAL (UG/L)                   | 3                      | 0.01    | 0.00    |       |                    |                                                                           |       |           |       |      |
| 2,4,5-T, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| SILVEX, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| TRITHION, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHYL TRITHION, TOTAL (UG/L)         | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293504098332601

WELL NUMBER: AY-68-28-205

LATITUDE: 293504

LONGITUDE: 0983326

WELL DEPTH: 485.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                             | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 9                      | 24.50   | 23.00   | 23.53  | 0.50                  | 24.50                                                                        | 23.90  | 23.50        | 23.10  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 11                     | 1030.00 | 502.00  | 678.91 | 206.95                | 1030.00                                                                      | 934.00 | 559.00       | 534.00 | 502.00 |
| PH (UNITS)                                  | 8                      | 7.40    | 6.80    | 7.07   | 0.24                  | 7.40                                                                         | 7.30   | 7.05         | 6.82   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 7                      | 90.00   | 20.00   | 51.86  | 26.05                 | 90.00                                                                        | 76.00  | 54.00        | 30.00  | 20.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 7                      | 318.00  | 244.00  | 279.14 | 28.52                 | 318.00                                                                       | 309.00 | 279.00       | 254.00 | 244.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 7                      | 388.00  | 298.00  | 340.43 | 34.80                 | 388.00                                                                       | 377.00 | 340.00       | 310.00 | 298.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 1                      | 0.58    | 0.58    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 1                      | 0.05    | 0.05    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 8                      | 0.03    | 0.00    | 0.00   | 0.01                  | 0.03                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 1                      | 0.01    | 0.01    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 1                      | 0.52    | 0.52    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 8                      | 0.67    | 0.30    | 0.44   | 0.12                  | 0.67                                                                         | 0.52   | 0.42         | 0.32   | 0.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 8                      | 0.02    | 0.00    | 0.00   | 0.01                  | 0.02                                                                         | 0.01   | 0.00         | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 3                      | 6.20    | 0.40    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                    | 5                      | 480.00  | 260.00  | 342.00 | 87.01                 | 480.00                                                                       | 425.00 | 310.00       | 275.00 | 260.00 |
| HARDNESS, NONCARBONATE (MG/L AS CaCO3)      | 5                      | 170.00  | 9.00    | 62.60  | 67.31                 | 170.00                                                                       | 128.50 | 29.00        | 13.50  | 9.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 5                      | 170.00  | 84.00   | 114.80 | 34.13                 | 170.00                                                                       | 145.00 | 110.00       | 87.00  | 84.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 5                      | 16.00   | 8.60    | 13.12  | 2.84                  | 16.00                                                                        | 15.50  | 13.00        | 10.80  | 8.60   |
| SODIUM, DISSOLVED (MG/L AS Na)              | 4                      | 7.40    | 4.50    |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                     | 4                      | 0.20    | 0.10    |        |                       |                                                                              |        |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 4                      | 1.40    | 0.60    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 6                      | 130.00  | 13.00   | 57.00  | 52.52                 | 130.00                                                                       | 115.00 | 38.00        | 13.00  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 6                      | 12.00   | 4.40    | 7.78   | 2.92                  | 12.00                                                                        | 10.13  | 7.80         | 5.00   | 4.40   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 3                      | 0.20    | 0.10    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 4                      | 14.00   | 12.00   |        |                       |                                                                              |        |              |        |        |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 11                     | 1.00    | 0.00    | 0.18   | 0.40                  | 1.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 10                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 10                     | 1.00    | 0.00    | 0.10   | 0.32                  | 1.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 4                      | 527.00  | 293.00  |        |                       |                                                                              |        |              |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 3                      | 0.46    | 0.40    |        |                       |                                                                              |        |              |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.10    | 0.10    |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293504098332601

WELL NUMBER: AY-68-28-205

LATITUDE: 293504

LONGITUDE: 0983326

WELL DEPTH: 485.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|-----------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 1                      | 1.00    | 1.00    |      |                       |                                                                              |    |              |    |   |
| BARIUM, DISSOLVED (UG/L AS BA)    | 1                      | 30.00   | 30.00   |      |                       |                                                                              |    |              |    |   |
| BORON, DISSOLVED (UG/L AS B)      | 1                      | 100.00  | 100.00  |      |                       |                                                                              |    |              |    |   |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COPPER, DISSOLVED (UG/L AS CU)    | 1                      | 2.00    | 2.00    |      |                       |                                                                              |    |              |    |   |
| IRON, DISSOLVED (UG/L AS FE)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| LEAD, DISSOLVED (UG/L AS PB)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MANGANESE, DISSOLVED (UG/L AS MN) | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SILVER, DISSOLVED (UG/L AS AG)    | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ZINC, DISSOLVED (UG/L AS ZN)      | 1                      | 20.00   | 20.00   |      |                       |                                                                              |    |              |    |   |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MERCURY, DISSOLVED (UG/L AS HG)   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293458098324201

WELL NUMBER: AY-68-28-501

LATITUDE: 293458

LONGITUDE: 0983242

WELL DEPTH: 468.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 10          | 24.00                  | 21.50   | 22.67  | 0.64               | 24.00                                                                     | 23.05  | 22.50     | 22.50  | 21.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 11          | 553.00                 | 508.00  | 526.91 | 14.76              | 553.00                                                                    | 535.00 | 527.00    | 514.00 | 508.00 |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL) (MG/L)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 11          | 7.40                   | 6.80    | 7.12   | 0.20               | 7.40                                                                      | 7.30   | 7.10      | 6.90   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 9           | 76.00                  | 19.00   | 39.78  | 20.48              | 76.00                                                                     | 60.00  | 31.00     | 24.00  | 19.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 11          | 254.00                 | 241.00  | 248.09 | 3.88               | 254.00                                                                    | 250.00 | 248.00    | 246.00 | 241.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 9           | 310.00                 | 294.00  | 302.11 | 5.21               | 310.00                                                                    | 307.00 | 300.00    | 299.50 | 294.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 9           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 8           | 1.90                   | 0.56    | 1.12   | 0.47               | 1.90                                                                      | 1.50   | 0.98      | 0.71   | 0.56   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 7           | 0.61                   | 0.00    | 0.23   | 0.25               | 0.61                                                                      | 0.54   | 0.13      | 0.06   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 10          | 0.10                   | 0.00    | 0.02   | 0.03               | 0.10                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 8           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 7           | 0.88                   | 0.55    | 0.75   | 0.13               | 0.88                                                                      | 0.84   | 0.80      | 0.59   | 0.55   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 10          | 0.89                   | 0.56    | 0.74   | 0.13               | 0.89                                                                      | 0.85   | 0.81      | 0.60   | 0.56   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 10          | 0.05                   | 0.00    | 0.01   | 0.01               | 0.05                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 9           | 8.90                   | 0.00    | 2.37   | 2.75               | 8.90                                                                      | 3.35   | 1.90      | 0.25   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 11          | 280.00                 | 250.00  | 268.18 | 9.82               | 280.00                                                                    | 280.00 | 270.00    | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 11          | 36.00                  | 8.00    | 18.73  | 9.00               | 36.00                                                                     | 27.00  | 16.00     | 10.00  | 8.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 11          | 100.00                 | 81.00   | 94.00  | 5.88               | 100.00                                                                    | 99.00  | 95.00     | 91.00  | 81.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 11          | 14.00                  | 4.90    | 7.78   | 3.25               | 14.00                                                                     | 12.00  | 6.40      | 5.20   | 4.90   |
| SODIUM, DISSOLVED (MG/L AS Na)            | 11          | 7.00                   | 5.40    | 6.15   | 0.49               | 7.00                                                                      | 6.40   | 6.00      | 5.80   | 5.40   |
| SODIUM ADSORPTION RATIO                   | 11          | 0.20                   | 0.10    | 0.19   | 0.03               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 11          | 1.30                   | 0.90    | 1.10   | 0.12               | 1.30                                                                      | 1.20   | 1.10      | 1.00   | 0.90   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 10          | 16.00                  | 8.80    | 12.98  | 2.30               | 16.00                                                                     | 15.00  | 13.00     | 11.00  | 8.80   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 10          | 29.00                  | 5.50    | 12.73  | 8.27               | 29.00                                                                     | 18.00  | 8.70      | 6.30   | 5.50   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 9           | 0.20                   | 0.10    | 0.13   | 0.05               | 0.20                                                                      | 0.20   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 11          | 13.00                  | 10.00   | 12.45  | 0.93               | 13.00                                                                     | 13.00  | 13.00     | 12.00  | 10.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100ML)     | 9           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML) | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 5           | 0.30                   | 0.00    | 0.06   | 0.13               | 0.30                                                                      | 0.15   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 10          | 311.00                 | 286.00  | 296.60 | 8.77               | 311.00                                                                    | 304.50 | 296.00    | 289.00 | 286.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 7           | 0.42                   | 0.39    | 0.40   | 0.01               | 0.42                                                                      | 0.42   | 0.40      | 0.39   | 0.39   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293458098324201

WELL NUMBER: AY-68-28-501

LATITUDE: 293458

LONGITUDE: 0983242

WELL DEPTH: 468.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |      |      |
|---------------------------------------|------------------------|---------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 7                      | 1.00    | 0.00    | 0.71  | 0.49               | 1.00                                                                      | 1.00  | 1.00      | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 7                      | 200.00  | 0.00    | 45.71 | 70.91              | 200.00                                                                    | 40.00 | 40.00     | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 7                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 7                      | 10.00   | 0.00    | 1.43  | 3.78               | 10.00                                                                     | 0.00  | 0.00      | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 7                      | 5.00    | 0.00    | 1.29  | 1.98               | 5.00                                                                      | 3.00  | 0.00      | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 7                      | 30.00   | 0.00    | 11.43 | 14.64              | 30.00                                                                     | 30.00 | 0.00      | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 7                      | 2.00    | 0.00    | 0.29  | 0.76               | 2.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 7                      | 20.00   | 0.00    | 2.86  | 7.56               | 20.00                                                                     | 0.00  | 0.00      | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 1                      | 1200.00 | 1200.00 |       |                    |                                                                           |       |           |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 2                      | 2.50    | 2.30    |       |                    |                                                                           |       |           |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 7                      | 20.00   | 0.00    | 5.29  | 7.63               | 20.00                                                                     | 9.00  | 0.00      | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 1.00    | 0.00    | 0.14  | 0.38               | 1.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 7                      | 1.00    | 0.00    | 0.14  | 0.38               | 1.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293437098324501

WELL NUMBER: AY-68-28-502

LATITUDE: 293437

LONGITUDE: 0983245

WELL DEPTH: 506.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 18                     | 27.50   | 23.00   | 23.82  | 1.17               | 27.50                                                                     | 24.00  | 23.50     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 18                     | 621.00  | 486.00  | 552.94 | 31.88              | 621.00                                                                    | 562.00 | 554.00    | 540.75 | 486.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 3                      | 0.80    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 15                     | 7.80    | 6.80    | 7.18   | 0.30               | 7.80                                                                      | 7.40   | 7.10      | 6.90   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 12                     | 81.00   | 7.90    | 38.16  | 23.66              | 81.00                                                                     | 58.25  | 36.50     | 17.50  | 7.90   |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 14                     | 279.00  | 233.00  | 260.57 | 11.75              | 279.00                                                                    | 270.25 | 261.00    | 254.75 | 233.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 13                     | 340.00  | 284.00  | 317.85 | 14.92              | 340.00                                                                    | 330.00 | 320.00    | 309.00 | 284.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 13                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 8                      | 2.10    | 0.75    | 1.32   | 0.53               | 2.10                                                                      | 1.87   | 1.09      | 0.89   | 0.75   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 8                      | 1.30    | 0.00    | 0.48   | 0.47               | 1.30                                                                      | 0.93   | 0.28      | 0.12   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 15                     | 0.13    | 0.00    | 0.02   | 0.04               | 0.13                                                                      | 0.06   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 8                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 7                      | 0.96    | 0.70    | 0.80   | 0.09               | 0.96                                                                      | 0.84   | 0.78      | 0.73   | 0.70   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 15                     | 1.80    | 0.70    | 0.93   | 0.29               | 1.80                                                                      | 0.98   | 0.84      | 0.74   | 0.70   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 15                     | 0.03    | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 10                     | 16.00   | 0.00    | 2.56   | 4.82               | 16.00                                                                     | 2.45   | 0.90      | 0.15   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 15                     | 340.00  | 250.00  | 284.00 | 19.20              | 340.00                                                                    | 290.00 | 280.00    | 280.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 15                     | 61.00   | 6.00    | 23.93  | 16.71              | 61.00                                                                     | 35.00  | 19.00     | 9.00   | 6.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 15                     | 98.00   | 74.00   | 87.80  | 7.05               | 98.00                                                                     | 94.00  | 88.00     | 82.00  | 74.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 15                     | 27.00   | 6.20    | 15.49  | 6.17               | 27.00                                                                     | 18.00  | 14.00     | 11.00  | 6.20   |
| SODIUM, DISSOLVED (MG/L AS Na)              | 14                     | 7.00    | 2.30    | 5.76   | 1.10               | 7.00                                                                      | 6.43   | 5.90      | 5.55   | 2.30   |
| SODIUM ADSORPTION RATIO                     | 14                     | 0.20    | 0.10    | 0.16   | 0.05               | 0.20                                                                      | 0.20   | 0.20      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 14                     | 2.10    | 0.90    | 1.29   | 0.34               | 2.10                                                                      | 1.42   | 1.20      | 1.07   | 0.90   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 16                     | 14.00   | 6.80    | 11.15  | 2.06               | 14.00                                                                     | 13.00  | 11.00     | 9.35   | 6.80   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 15                     | 54.00   | 5.60    | 20.30  | 13.37              | 54.00                                                                     | 22.00  | 18.00     | 9.40   | 5.60   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 13                     | 0.50    | 0.10    | 0.25   | 0.10               | 0.50                                                                      | 0.30   | 0.20      | 0.20   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 14                     | 13.00   | 11.00   | 12.36  | 0.74               | 13.00                                                                     | 13.00  | 12.50     | 12.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100ML)       | 18                     | 15.00   | 0.00    | 2.39   | 4.78               | 15.00                                                                     | 2.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 2                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 7                      | 5.00    | 0.00    | 0.71   | 1.89               | 5.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 11                     | 4.00    | 0.00    | 0.36   | 1.21               | 4.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 7                      | 0.10    | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)    | 14                     | 376.00  | 277.00  | 311.93 | 22.30              | 376.00                                                                    | 318.25 | 309.00    | 302.50 | 277.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 9                      | 0.51    | 0.41    | 0.43   | 0.03               | 0.51                                                                      | 0.44   | 0.43      | 0.42   | 0.41   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293437098324501

WELL NUMBER: AY-68-28-502

LATITUDE: 293437

LONGITUDE: 0983245

WELL DEPTH: 506.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |      |      |
|---------------------------------------|-------------|------------------------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|------|------|
|                                       |             | MAXIMUM                | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 11          | 2.00                   | 0.00    | 0.55  | 0.69               | 2.00                                                                      | 1.00  | 0.00      | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 9           | 32.00                  | 0.00    | 16.89 | 16.03              | 32.00                                                                     | 30.00 | 30.00     | 0.00 | 0.00 |
| BORON, DISSOLVED (UG/L AS B)          | 2           | 550.00                 | 40.00   |       |                    |                                                                           |       |           |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 11          | 0.00                   | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 11          | 10.00                  | 0.00    | 1.82  | 4.05               | 10.00                                                                     | 0.00  | 0.00      | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 12          | 30.00                  | 0.00    | 4.92  | 8.21               | 30.00                                                                     | 5.75  | 2.50      | 0.25 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 12          | 20.00                  | 0.00    | 3.33  | 7.78               | 20.00                                                                     | 0.00  | 0.00      | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 11          | 2.00                   | 0.00    | 0.64  | 0.92               | 2.00                                                                      | 2.00  | 0.00      | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 12          | 2.00                   | 0.00    | 0.17  | 0.58               | 2.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 4           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 9           | 0.00                   | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 3           | 2500.00                | 500.00  |       |                    |                                                                           |       |           |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 2           | 2.70                   | 2.20    |       |                    |                                                                           |       |           |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 12          | 130.00                 | 0.00    | 24.67 | 36.90              | 130.00                                                                    | 30.00 | 9.00      | 1.75 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 4           | 100.00                 | 10.00   |       |                    |                                                                           |       |           |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 4           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 9           | 1.00                   | 0.00    | 0.11  | 0.33               | 1.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| ALDRIN, TOTAL (UG/L)                  | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| LINDANE, TOTAL (UG/L)                 | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| CHLORDANE, TOTAL (UG/L)               | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDD, TOTAL (UG/L)                     | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDE, TOTAL (UG/L)                     | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDT, TOTAL (UG/L)                     | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIELDRIN, TOTAL (UG/L)                | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 2           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDRIN, TOTAL (UG/L)                  | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| ETHION, TOTAL (UG/L)                  | 2           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 2           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| PCB, TOTAL (UG/L)                     | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| MALATHION, TOTAL (UG/L)               | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| PARATHION, TOTAL (UG/L)               | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIAZINON, TOTAL (UG/L)                | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4-D, TOTAL (UG/L)                   | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| MIREX, TOTAL (UG/L)                   | 1           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVEX, TOTAL (UG/L)                  | 3           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| TRITHION, TOTAL (UG/L)                | 2           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 2           | 0.00                   | 0.00    |       |                    |                                                                           |       |           |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 11          | 0.40                   | 0.00    | 0.04  | 0.12               | 0.40                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293339098341101

WELL NUMBER: AY-68-28-508

LATITUDE: 293339

LONGITUDE: 0983411

WELL DEPTH: 396.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                  | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|--------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                            |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                        | 9           | 25.00                  | 22.00   | 23.20  | 0.88               | 25.00                                                                     | 23.75  | 23.00     | 22.65  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)               | 9           | 452.00                 | 411.00  | 432.89 | 14.14              | 452.00                                                                    | 448.00 | 431.00    | 421.50 | 411.00 |
| PH (UNITS)                                 | 9           | 7.50                   | 6.90    | 7.17   | 0.19               | 7.50                                                                      | 7.30   | 7.20      | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)    | 7           | 46.00                  | 11.00   | 26.43  | 12.12              | 46.00                                                                     | 38.00  | 24.00     | 17.00  | 11.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)           | 9           | 197.00                 | 172.00  | 185.44 | 9.03               | 197.00                                                                    | 192.00 | 189.00    | 176.00 | 172.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)         | 7           | 240.00                 | 210.00  | 224.57 | 11.87              | 240.00                                                                    | 236.00 | 226.00    | 210.00 | 210.00 |
| CARBONATE FET-FLD (MG/L AS CO3)            | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                | 7           | 2.70                   | 1.10    | 2.33   | 0.56               | 2.70                                                                      | 2.70   | 2.50      | 2.30   | 1.10   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)        | 6           | 0.39                   | 0.00    | 0.13   | 0.15               | 0.39                                                                      | 0.23   | 0.10      | 0.00   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)        | 9           | 0.10                   | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.04   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)        | 7           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)        | 6           | 2.70                   | 1.10    | 2.18   | 0.57               | 2.70                                                                      | 2.55   | 2.35      | 1.85   | 1.10   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)        | 9           | 2.70                   | 1.10    | 2.24   | 0.52               | 2.70                                                                      | 2.65   | 2.50      | 1.95   | 1.10   |
| PHOSPHORUS, TOTAL (MG/L AS P)              | 9           | 0.06                   | 0.00    | 0.02   | 0.02               | 0.06                                                                      | 0.03   | 0.02      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)      | 8           | 6.70                   | 0.00    | 1.79   | 2.17               | 6.70                                                                      | 2.40   | 0.85      | 0.48   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                   | 9           | 230.00                 | 200.00  | 215.56 | 8.82               | 230.00                                                                    | 220.00 | 220.00    | 210.00 | 200.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)        | 9           | 35.00                  | 22.00   | 29.11  | 4.01               | 35.00                                                                     | 32.00  | 30.00     | 26.00  | 22.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)            | 9           | 70.00                  | 63.00   | 66.44  | 2.51               | 70.00                                                                     | 68.00  | 68.00     | 64.00  | 63.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)          | 9           | 14.00                  | 8.10    | 11.90  | 2.07               | 14.00                                                                     | 13.50  | 13.00     | 10.00  | 8.10   |
| SODIUM, DISSOLVED (MG/L AS Na)             | 9           | 7.00                   | 5.10    | 5.63   | 0.58               | 7.00                                                                      | 5.85   | 5.50      | 5.20   | 5.10   |
| SODIUM ADSORPTION RATIO                    | 9           | 0.20                   | 0.10    | 0.19   | 0.03               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)           | 9           | 1.50                   | 0.70    | 0.93   | 0.24               | 1.50                                                                      | 1.00   | 0.90      | 0.75   | 0.70   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)           | 9           | 13.00                  | 7.80    | 10.73  | 1.62               | 13.00                                                                     | 12.00  | 10.00     | 9.90   | 7.80   |
| SULFATE, DISSOLVED (MG/L AS SO4)           | 9           | 19.00                  | 15.00   | 17.78  | 1.48               | 19.00                                                                     | 19.00  | 18.00     | 16.50  | 15.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)            | 8           | 0.20                   | 0.10    | 0.19   | 0.04               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)           | 8           | 12.00                  | 10.00   | 11.13  | 0.64               | 12.00                                                                     | 11.75  | 11.00     | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)      | 7           | 95.00                  | 0.00    | 13.57  | 35.91              | 95.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML)  | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)   | 4           | 18.00                  | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR(COLS./100 ML) | 4           | 14.00                  | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)         | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)     | 4           | 0.20                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)   | 8           | 243.00                 | 226.00  | 235.63 | 6.59               | 243.00                                                                    | 241.00 | 237.50    | 228.75 | 226.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)         | 5           | 0.33                   | 0.31    | 0.32   | 0.01               | 0.33                                                                      | 0.33   | 0.32      | 0.31   | 0.31   |
| BROMIDE, DISSOLVED (MG/L AS BR)            | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293339098341101

WELL NUMBER: AY-68-28-508

LATITUDE: 293339

LONGITUDE: 0983411

WELL DEPTH: 396.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 6                      | 1.00    | 0.00    | 0.67  | 0.52                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 6                      | 200.00  | 0.00    | 48.33 | 75.74                 | 200.00                                                                       | 72.50 | 30.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 6                      | 10.00   | 0.00    | 3.33  | 5.16                  | 10.00                                                                        | 10.00 | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 6                      | 5.00    | 0.00    | 1.17  | 2.04                  | 5.00                                                                         | 2.75  | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 7                      | 70.00   | 0.00    | 12.86 | 26.28                 | 70.00                                                                        | 20.00 | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 6                      | 2.00    | 0.00    | 0.33  | 0.82                  | 2.00                                                                         | 0.50  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 1                      | 470.00  | 470.00  |       |                       |                                                                              |       |              |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 1                      | 3.00    | 3.00    |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 6                      | 2.00    | 0.00    | 0.33  | 0.82                  | 2.00                                                                         | 0.50  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 6                      | 0.20    | 0.00    | 0.03  | 0.08                  | 0.20                                                                         | 0.05  | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293422098343001

WELL NUMBER: AY-68-28-512

LATITUDE: 293422

LONGITUDE: 0983430

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 12          | 23.00                  | 22.50   | 22.87  | 0.23               | 23.00                                                                     | 23.00  | 23.00     | 22.62  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 12          | 536.00                 | 510.00  | 523.00 | 9.78               | 536.00                                                                    | 534.50 | 521.50    | 515.00 | 510.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 8           | 1.10                   | 0.00    | 0.41   | 0.38               | 1.10                                                                      | 0.75   | 0.25      | 0.12   | 0.00   |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)  | 3           | 11.00                  | 2.00    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) | 4           | 8.00                   | 3.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 12          | 7.30                   | 6.70    | 6.97   | 0.18               | 7.30                                                                      | 7.10   | 6.95      | 6.80   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 10          | 76.00                  | 24.00   | 48.50  | 17.04              | 76.00                                                                     | 63.50  | 43.00     | 37.75  | 24.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 12          | 250.00                 | 210.00  | 242.67 | 11.03              | 250.00                                                                    | 249.00 | 246.00    | 240.00 | 210.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 10          | 300.00                 | 260.00  | 294.00 | 12.65              | 300.00                                                                    | 300.00 | 300.00    | 290.00 | 260.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 10          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, RESIDUE AT 105 DEG. C, (MG/L)       | 4           | 240.00                 | 3.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                       | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 12          | 2.80                   | 0.92    | 1.79   | 0.48               | 2.80                                                                      | 1.90   | 1.80      | 1.50   | 0.92   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 10          | 0.83                   | 0.03    | 0.27   | 0.24               | 0.83                                                                      | 0.37   | 0.28      | 0.06   | 0.03   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 12          | 0.17                   | 0.00    | 0.02   | 0.05               | 0.17                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 11          | 0.02                   | 0.00    | 0.00   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 10          | 1.80                   | 0.56    | 1.42   | 0.33               | 1.80                                                                      | 1.55   | 1.45      | 1.40   | 0.56   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 10          | 1.80                   | 0.56    | 1.45   | 0.34               | 1.80                                                                      | 1.70   | 1.50      | 1.40   | 0.56   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 12          | 0.07                   | 0.00    | 0.03   | 0.02               | 0.07                                                                      | 0.05   | 0.03      | 0.01   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 9           | 4.10                   | 0.00    | 1.01   | 1.43               | 4.10                                                                      | 1.75   | 0.50      | 0.05   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 3           | 1.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                    | 12          | 290.00                 | 240.00  | 270.00 | 14.14              | 290.00                                                                    | 277.50 | 270.00    | 270.00 | 240.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 12          | 47.00                  | 4.00    | 26.08  | 11.59              | 47.00                                                                     | 35.75  | 24.00     | 20.50  | 4.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 12          | 100.00                 | 82.00   | 93.08  | 5.32               | 100.00                                                                    | 97.00  | 93.50     | 89.25  | 82.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 12          | 11.00                  | 6.90    | 8.81   | 1.19               | 11.00                                                                     | 9.48   | 8.90      | 7.78   | 6.90   |
| SODIUM, DISSOLVED (MG/L AS NA)              | 12          | 6.20                   | 4.20    | 5.51   | 0.56               | 6.20                                                                      | 5.90   | 5.70      | 5.13   | 4.20   |
| SODIUM ADSORPTION RATIO                     | 12          | 0.20                   | 0.10    | 0.15   | 0.05               | 0.20                                                                      | 0.20   | 0.15      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 12          | 1.10                   | 0.80    | 0.95   | 0.09               | 1.10                                                                      | 1.00   | 0.90      | 0.90   | 0.80   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 12          | 13.00                  | 9.90    | 10.73  | 0.89               | 13.00                                                                     | 11.00  | 11.00     | 9.93   | 9.90   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 12          | 22.00                  | 7.00    | 14.32  | 4.08               | 22.00                                                                     | 16.00  | 15.00     | 11.25  | 7.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 12          | 0.50                   | 0.10    | 0.13   | 0.12               | 0.50                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 12          | 15.00                  | 11.00   | 11.83  | 1.11               | 15.00                                                                     | 12.00  | 12.00     | 11.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 12          | 3599.99                | 0.00    | 300.08 | 1039.20            | 3599.99                                                                   | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 12          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 2           | 57.00                  | 0.00    | 5.08   | 16.37              | 57.00                                                                     | 0.75   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 5           | 0.10                   | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.05   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 12          | 305.00                 | 266.00  | 292.08 | 12.32              | 305.00                                                                    | 303.00 | 295.00    | 286.50 | 266.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 9           | 0.41                   | 0.36    | 0.40   | 0.02               | 0.41                                                                      | 0.41   | 0.40      | 0.40   | 0.36   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293422098343001

WELL NUMBER: AY-68-28-512

LATITUDE: 293422

LONGITUDE: 0983430

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 7                      | 1.00    | 0.00    | 0.57   | 0.53                  | 1.00                                                                         | 1.00   | 1.00         | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 7                      | 300.00  | 0.00    | 80.14  | 120.35                | 300.00                                                                       | 200.00 | 30.00        | 0.00   | 0.00   |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 7                      | 10.00   | 0.00    | 1.43   | 3.78                  | 10.00                                                                        | 0.00   | 0.00         | 0.00   | 0.00   |
| COPPER, DISSOLVED (UG/L AS CU)        | 7                      | 2.00    | 0.00    | 0.57   | 0.98                  | 2.00                                                                         | 2.00   | 0.00         | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 7                      | 30.00   | 0.00    | 11.29  | 12.18                 | 30.00                                                                        | 20.00  | 9.00         | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 12                     | 8.00    | 0.00    | 2.83   | 2.69                  | 8.00                                                                         | 5.00   | 3.00         | 0.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 7                      | 1.00    | 0.00    | 0.14   | 0.38                  | 1.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 2.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| VANADIUM, DISSOLVED (UG/L AS V)       | 4                      | 2.00    | 1.30    |        |                       |                                                                              |        |              |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 7                      | 640.00  | 380.00  | 495.71 | 77.64                 | 640.00                                                                       | 520.00 | 490.00       | 470.00 | 380.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 2.00    | 0.00    | 0.29   | 0.76                  | 2.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 3                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ALDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| LINDANE, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| CHLORDANE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DDD, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DDE, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DDT, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DIELDRIN, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ENDOSULFAN, TOTAL (UG/L)              | 4                      | 0.03    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ENDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ETHION, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| TOXAPHENE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| HEPTACHLOR, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHOXYCHLOR, TOTAL (UG/L)            | 3                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| PCB, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MALATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| PARATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DIAZINON, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYL PARATHION, TOTAL (UG/L)        | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| 2,4-D, TOTAL (UG/L)                   | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| 2,4,5-T, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SILVEX, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| TRITHION, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYL TRITHION, TOTAL (UG/L)         | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)       | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293456098304901

WELL NUMBER: AY-68-28-608

LATITUDE: 293456

LONGITUDE: 0983049

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 13          | 22.50                  | 20.50   | 21.92  | 0.49               | 22.50                                                                     | 22.00  | 22.00     | 22.00  | 20.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 13          | 564.00                 | 512.00  | 538.85 | 15.31              | 564.00                                                                    | 551.50 | 538.00    | 526.00 | 512.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 8           | 2.50                   | 0.00    | 0.57   | 0.80               | 2.50                                                                      | 0.50   | 0.35      | 0.15   | 0.00   |
| OXYGEN DEMAND, CHEMICAL(LOW LEVEL)(MG/L)  | 4           | 22.00                  | 7.00    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND,CHEMICAL(HIGH LEVEL)(MG/L)  | 5           | 8.00                   | 3.00    | 5.20   | 1.92               | 8.00                                                                      | 7.00   | 5.00      | 3.50   | 3.00   |
| PH (UNITS)                                | 13          | 7.10                   | 6.70    | 6.96   | 0.13               | 7.10                                                                      | 7.10   | 7.00      | 6.85   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 11          | 79.00                  | 38.00   | 50.45  | 12.29              | 79.00                                                                     | 60.00  | 50.00     | 39.00  | 38.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 13          | 262.00                 | 246.00  | 252.15 | 5.32               | 262.00                                                                    | 254.00 | 250.00    | 248.00 | 246.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 11          | 320.00                 | 300.00  | 308.18 | 7.51               | 320.00                                                                    | 310.00 | 310.00    | 300.00 | 300.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 11          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, RESIDUE AT 105 DEG. C, SUS.(MG/L) | 4           | 2.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                     | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 13          | 1.90                   | 0.71    | 1.28   | 0.36               | 1.90                                                                      | 1.55   | 1.30      | 1.04   | 0.71   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 12          | 0.51                   | 0.04    | 0.23   | 0.14               | 0.51                                                                      | 0.33   | 0.19      | 0.13   | 0.04   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 13          | 0.15                   | 0.00    | 0.03   | 0.04               | 0.15                                                                      | 0.04   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 13          | 0.02                   | 0.00    | 0.00   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 12          | 1.30                   | 0.63    | 0.96   | 0.22               | 1.30                                                                      | 1.10   | 0.98      | 0.73   | 0.63   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 12          | 1.20                   | 0.63    | 0.95   | 0.20               | 1.20                                                                      | 1.10   | 0.99      | 0.73   | 0.63   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 13          | 0.04                   | 0.00    | 0.01   | 0.01               | 0.04                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)         | 10          | 2.80                   | 0.10    | 0.76   | 0.79               | 2.80                                                                      | 0.95   | 0.45      | 0.28   | 0.10   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 4           | 1.20                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 12          | 300.00                 | 250.00  | 275.83 | 14.43              | 300.00                                                                    | 290.00 | 270.00    | 270.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 12          | 49.00                  | 0.00    | 22.58  | 12.69              | 49.00                                                                     | 30.50  | 21.50     | 14.50  | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 12          | 110.00                 | 93.00   | 98.50  | 4.34               | 110.00                                                                    | 100.00 | 98.00     | 95.25  | 93.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 13          | 12.00                  | 4.50    | 6.91   | 3.07               | 12.00                                                                     | 10.50  | 5.30      | 4.75   | 4.50   |
| SODIUM, DISSOLVED (MG/L AS Na)            | 12          | 7.50                   | 5.40    | 6.50   | 0.72               | 7.50                                                                      | 7.20   | 6.40      | 5.83   | 5.40   |
| SODIUM ADSORPTION RATIO                   | 12          | 0.20                   | 0.10    | 0.19   | 0.03               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 13          | 1.30                   | 1.00    | 1.11   | 0.08               | 1.30                                                                      | 1.10   | 1.10      | 1.10   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 13          | 13.00                  | 5.30    | 10.85  | 2.13               | 13.00                                                                     | 13.00  | 11.00     | 10.00  | 5.30   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 13          | 29.00                  | 5.50    | 15.86  | 7.42               | 29.00                                                                     | 24.00  | 13.00     | 10.50  | 5.50   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 13          | 0.60                   | 0.10    | 0.16   | 0.14               | 0.60                                                                      | 0.20   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 13          | 15.00                  | 8.80    | 12.25  | 1.79               | 15.00                                                                     | 13.00  | 13.00     | 11.00  | 8.80   |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 13          | 110.00                 | 0.00    | 17.00  | 32.79              | 110.00                                                                    | 24.00  | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.7 UM-MF(COLS./100 ML)   | 13          | 24.00                  | 0.00    | 4.15   | 8.03               | 24.00                                                                     | 5.50   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI,FECAL,KF AGAR(COLS./100 ML)  | 13          | 50.00                  | 0.00    | 5.54   | 13.93              | 50.00                                                                     | 3.50   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 6           | 0.10                   | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 12          | 327.00                 | 287.00  | 305.92 | 11.97              | 327.00                                                                    | 315.25 | 305.50    | 296.50 | 287.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 10          | 0.44                   | 0.39    | 0.42   | 0.02               | 0.44                                                                      | 0.43   | 0.42      | 0.40   | 0.39   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 2           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293456098304901

WELL NUMBER: AY-68-28-608

LATITUDE: 293456

LONGITUDE: 0983049

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 8                      | 2.00    | 0.00    | 0.50   | 0.76               | 2.00                                                                      | 1.00   | 0.00      | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 8                      | 200.00  | 0.00    | 33.00  | 69.02              | 200.00                                                                    | 33.00  | 0.00      | 0.00   | 0.00   |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 8                      | 10.00   | 0.00    | 1.25   | 3.54               | 10.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| COPPER, DISSOLVED (UG/L AS CU)        | 8                      | 6.00    | 0.00    | 0.75   | 2.12               | 6.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 8                      | 30.00   | 0.00    | 7.25   | 11.61              | 30.00                                                                     | 17.00  | 0.00      | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 12                     | 12.00   | 0.00    | 4.25   | 3.14               | 12.00                                                                     | 5.75   | 4.00      | 3.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 2.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| VANADIUM, DISSOLVED (UG/L AS V)       | 4                      | 2.30    | 1.20    |        |                    |                                                                           |        |           |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 8                      | 540.00  | 310.00  | 476.25 | 73.08              | 540.00                                                                    | 520.00 | 500.00    | 455.00 | 310.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 8                      | 2.00    | 0.00    | 0.38   | 0.74               | 2.00                                                                      | 0.75   | 0.00      | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ALDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| LINDANE, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| CHLORDANE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDD, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDE, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DDT, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIELDRIN, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ENDOSULFAN, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ENDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ETHION, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TOXAPHENE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHOXYCHLOR, TOTAL (UG/L)            | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PCB, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MALATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PARATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| DIAZINON, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYL PARATHION, TOTAL (UG/L)        | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4-D, TOTAL (UG/L)                   | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4,5-T, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVEX, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TRITHION, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYL TRITHION, TOTAL (UG/L)         | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)       | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293207098304801

WELL NUMBER: AY-68-28-903

LATITUDE: 293207

LONGITUDE: 0983729

WELL DEPTH: 762.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 11          | 23.00                  | 22.00   | 22.18  | 0.34               | 23.00                                                                     | 22.50  | 22.00     | 22.00  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 11          | 808.00                 | 563.00  | 689.00 | 73.67              | 808.00                                                                    | 748.00 | 704.00    | 634.00 | 563.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1           | 0.60                   | 0.60    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 11          | 7.50                   | 6.80    | 7.05   | 0.27               | 7.50                                                                      | 7.30   | 6.90      | 6.80   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 8           | 112.00                 | 16.00   | 57.88  | 35.12              | 112.00                                                                    | 82.50  | 61.50     | 20.50  | 16.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 11          | 361.00                 | 258.00  | 313.45 | 32.70              | 361.00                                                                    | 336.00 | 313.00    | 280.00 | 258.00 |
| BICARBONATE FET-FLD (MG/L AS CO3)         | 8           | 440.00                 | 314.00  | 379.25 | 39.57              | 440.00                                                                    | 407.50 | 380.00    | 347.50 | 314.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 8           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 7           | 3.50                   | 1.70    | 2.34   | 0.68               | 3.50                                                                      | 3.00   | 2.30      | 1.80   | 1.70   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 7           | 1.20                   | 0.00    | 0.39   | 0.47               | 1.20                                                                      | 0.82   | 0.23      | 0.00   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 9           | 0.29                   | 0.00    | 0.06   | 0.10               | 0.29                                                                      | 0.13   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 7           | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 6           | 2.30                   | 1.50    | 1.85   | 0.27               | 2.30                                                                      | 2.08   | 1.80      | 1.65   | 1.50   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 10          | 2.30                   | 0.62    | 1.66   | 0.47               | 2.30                                                                      | 2.00   | 1.75      | 1.42   | 0.62   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 8           | 0.06                   | 0.00    | 0.02   | 0.02               | 0.06                                                                      | 0.04   | 0.02      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 7           | 5.60                   | 0.80    | 2.64   | 1.59               | 5.60                                                                      | 3.30   | 2.70      | 1.40   | 0.80   |
| HARDNESS (MG/L AS CaCO3)                  | 10          | 380.00                 | 290.00  | 331.00 | 28.46              | 380.00                                                                    | 355.00 | 325.00    | 315.00 | 290.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 10          | 27.00                  | 0.00    | 15.40  | 8.37               | 27.00                                                                     | 21.75  | 16.00     | 9.50   | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 10          | 130.00                 | 91.00   | 112.10 | 12.10              | 130.00                                                                    | 122.50 | 110.00    | 107.50 | 91.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 10          | 14.00                  | 11.00   | 12.60  | 0.97               | 14.00                                                                     | 13.25  | 12.50     | 12.00  | 11.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 9           | 31.00                  | 5.40    | 20.27  | 7.05               | 31.00                                                                     | 25.00  | 20.00     | 17.50  | 5.40   |
| SODIUM ADSORPTION RATIO                   | 9           | 0.70                   | 0.10    | 0.47   | 0.17               | 0.70                                                                      | 0.60   | 0.50      | 0.40   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 9           | 2.20                   | 1.20    | 1.57   | 0.28               | 2.20                                                                      | 1.65   | 1.50      | 1.40   | 1.20   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 10          | 30.00                  | 14.00   | 22.30  | 4.83               | 30.00                                                                     | 26.00  | 22.50     | 19.00  | 14.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 10          | 27.00                  | 16.00   | 22.60  | 4.01               | 27.00                                                                     | 26.25  | 23.50     | 19.75  | 16.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 10          | 0.30                   | 0.10    | 0.20   | 0.05               | 0.30                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 10          | 17.00                  | 13.00   | 15.00  | 1.25               | 17.00                                                                     | 16.00  | 15.00     | 14.00  | 13.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 4           | 0.01                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 10          | 464.00                 | 312.00  | 396.60 | 45.96              | 464.00                                                                    | 431.00 | 397.50    | 372.25 | 312.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 5           | 0.58                   | 0.52    | 0.54   | 0.03               | 0.58                                                                      | 0.57   | 0.53      | 0.52   | 0.52   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293207098304801

WELL NUMBER: AY-68-28-903

LATITUDE: 293207

LONGITUDE: 0983729

WELL DEPTH: 762.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |      |      |
|---------------------------------------|------------------------|---------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 8                      | 2.00    | 0.00    | 0.50  | 0.76               | 2.00                                                                      | 1.00  | 0.00      | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 5                      | 50.00   | 0.00    | 30.00 | 27.39              | 50.00                                                                     | 50.00 | 50.00     | 0.00 | 0.00 |
| BORON, DISSOLVED (UG/L AS B)          | 1                      | 80.00   | 80.00   |       |                    |                                                                           |       |           |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 6                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 6                      | 10.00   | 0.00    | 1.67  | 4.08               | 10.00                                                                     | 2.50  | 0.00      | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 8                      | 5.00    | 0.00    | 1.87  | 1.55               | 5.00                                                                      | 2.00  | 2.00      | 0.50 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 6                      | 30.00   | 0.00    | 5.00  | 12.25              | 30.00                                                                     | 7.50  | 0.00      | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 6                      | 4.00    | 0.00    | 0.67  | 1.63               | 4.00                                                                      | 1.00  | 0.00      | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 5                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 2                      | 440.00  | 360.00  |       |                    |                                                                           |       |           |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 1                      | 3.30    | 3.30    |       |                    |                                                                           |       |           |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 8                      | 210.00  | 0.00    | 48.50 | 71.36              | 210.00                                                                    | 77.50 | 15.00     | 8.50 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 5                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ALDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| LINDANE, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| CHLORDANE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDD, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDE, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DDT, TOTAL (UG/L)                     | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIELDRIN, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ENDRIN, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| PCB, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4-D, TOTAL (UG/L)                   | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVEX, TOTAL (UG/L)                  | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 8                      | 0.40    | 0.00    | 0.05  | 0.14               | 0.40                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293503098282901

WELL NUMBER: AY-68-29-104

LATITUDE: 293503

LONGITUDE: 0982829

WELL DEPTH: 602.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 17          | 23.00                  | 22.00   | 22.82  | 0.39               | 23.00                                                                     | 23.00  | 23.00     | 23.00  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 27          | 622.00                 | 518.00  | 558.81 | 24.82              | 610.00                                                                    | 577.00 | 567.00    | 536.00 | 518.80 |
| PH (UNITS)                                  | 5           | 7.80                   | 7.00    | 7.30   | 0.37               | 7.80                                                                      | 7.70   | 7.10      | 7.00   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 5           | 54.00                  | 7.90    | 34.18  | 22.28              | 54.00                                                                     | 54.00  | 42.00     | 10.45  | 7.90   |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 5           | 279.00                 | 256.00  | 269.60 | 9.07               | 279.00                                                                    | 277.50 | 271.00    | 261.00 | 256.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 5           | 340.00                 | 312.00  | 328.40 | 10.99              | 340.00                                                                    | 338.00 | 330.00    | 318.00 | 312.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 1           | 1.00                   | 1.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 1           | 0.12                   | 0.12    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 9           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 1           | 0.02                   | 0.02    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 1           | 0.86                   | 0.86    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 12          | 1.00                   | 0.80    | 0.86   | 0.08               | 1.00                                                                      | 0.90   | 0.84      | 0.80   | 0.80   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 13          | 0.03                   | 0.00    | 0.02   | 0.01               | 0.03                                                                      | 0.03   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 1           | 1.10                   | 1.10    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                    | 3           | 290.00                 | 290.00  |        |                    |                                                                           |        |           |        |        |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 3           | 26.00                  | 10.00   |        |                    |                                                                           |        |           |        |        |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 3           | 81.00                  | 79.00   |        |                    |                                                                           |        |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 3           | 23.00                  | 21.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)              | 2           | 5.80                   | 5.40    |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                     | 2           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 2           | 3.20                   | 1.20    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 34          | 12.00                  | 8.40    | 9.77   | 0.76               | 11.25                                                                     | 10.00  | 10.00     | 9.00   | 8.62   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 4           | 17.00                  | 14.00   |        |                    |                                                                           |        |           |        |        |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 2           | 0.30                   | 0.30    |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 2           | 12.00                  | 12.00   |        |                    |                                                                           |        |           |        |        |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 63          | 9999.98                | 0.00    | 455.52 | 1464.66            | 3519.99                                                                   | 180.00 | 60.00     | 4.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 46          | 380.00                 | 0.00    | 15.61  | 63.04              | 152.40                                                                    | 1.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 46          | 960.00                 | 0.00    | 41.11  | 162.36             | 410.50                                                                    | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 11          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 2           | 320.00                 | 306.00  |        |                    |                                                                           |        |           |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 1           | 0.44                   | 0.44    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293503098282901 WELL NUMBER: AY-68-29-104

LATITUDE: 293503 LONGITUDE: 0982829 WELL DEPTH: 602.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|-----------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 2                      | 1.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| BARIUM, DISSOLVED (UG/L AS BA)    | 1                      | 30.00   | 30.00   |      |                       |                                                                              |    |              |    |   |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COPPER, DISSOLVED (UG/L AS CU)    | 2                      | 4.00    | 3.00    |      |                       |                                                                              |    |              |    |   |
| IRON, DISSOLVED (UG/L AS FE)      | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| LEAD, DISSOLVED (UG/L AS PB)      | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MANGANESE, DISSOLVED (UG/L AS MN) | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SILVER, DISSOLVED (UG/L AS AG)    | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ZINC, DISSOLVED (UG/L AS ZN)      | 2                      | 6.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MERCURY, DISSOLVED (UG/L AS HG)   | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293512098291701

WELL NUMBER: AY-68-29-109

LATITUDE: 293512

LONGITUDE: 0982917

WELL DEPTH: 460.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                  | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|--------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                            | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                        | 12                     | 23.50   | 22.50   | 22.96  | 0.33               | 23.50                                                                     | 23.00  | 23.00     | 22.62  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)               | 12                     | 616.00  | 543.00  | 579.67 | 23.22              | 616.00                                                                    | 597.25 | 583.50    | 559.00 | 543.00 |
| PH (UNITS)                                 | 11                     | 7.30    | 6.80    | 6.95   | 0.16               | 7.30                                                                      | 7.10   | 6.90      | 6.80   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)    | 8                      | 86.00   | 27.00   | 60.13  | 21.28              | 86.00                                                                     | 82.00  | 61.50     | 43.25  | 27.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)           | 11                     | 295.00  | 270.00  | 279.64 | 7.98               | 295.00                                                                    | 287.00 | 279.00    | 274.00 | 270.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)         | 9                      | 360.00  | 330.00  | 341.78 | 9.67               | 360.00                                                                    | 350.00 | 340.00    | 334.00 | 330.00 |
| CARBONATE FET-FLD (MG/L AS CO3)            | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                | 8                      | 2.20    | 1.20    | 1.78   | 0.32               | 2.20                                                                      | 2.08   | 1.75      | 1.60   | 1.20   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)        | 7                      | 0.60    | 0.01    | 0.25   | 0.23               | 0.60                                                                      | 0.52   | 0.24      | 0.05   | 0.01   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)        | 12                     | 0.12    | 0.00    | 0.02   | 0.04               | 0.12                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)        | 8                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)        | 7                      | 1.60    | 1.20    | 1.44   | 0.14               | 1.60                                                                      | 1.60   | 1.40      | 1.40   | 1.20   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)        | 12                     | 1.60    | 0.96    | 1.32   | 0.22               | 1.60                                                                      | 1.48   | 1.40      | 1.12   | 0.96   |
| PHOSPHORUS, TOTAL (MG/L AS P)              | 12                     | 0.04    | 0.00    | 0.02   | 0.02               | 0.04                                                                      | 0.04   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)      | 9                      | 4.40    | 0.00    | 1.21   | 1.67               | 4.40                                                                      | 2.45   | 0.50      | 0.00   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                   | 11                     | 320.00  | 280.00  | 296.36 | 12.86              | 320.00                                                                    | 300.00 | 290.00    | 290.00 | 280.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)        | 11                     | 29.00   | 2.00    | 15.64  | 7.75               | 29.00                                                                     | 21.00  | 17.00     | 11.00  | 2.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)            | 11                     | 110.00  | 96.00   | 101.00 | 4.71               | 110.00                                                                    | 100.00 | 100.00    | 99.00  | 96.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)          | 11                     | 11.00   | 9.90    | 10.35  | 0.51               | 11.00                                                                     | 11.00  | 10.00     | 10.00  | 9.90   |
| SODIUM, DISSOLVED (MG/L AS Na)             | 11                     | 11.00   | 6.30    | 8.07   | 1.30               | 11.00                                                                     | 8.90   | 8.10      | 7.10   | 6.30   |
| SODIUM ADSORPTION RATIO                    | 11                     | 0.30    | 0.20    | 0.21   | 0.03               | 0.30                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)           | 11                     | 7.00    | 0.70    | 1.35   | 1.87               | 7.00                                                                      | 0.90   | 0.80      | 0.70   | 0.70   |
| CHLORIDE, DISSOLVED (MG/L AS CL)           | 11                     | 21.00   | 11.00   | 15.45  | 2.94               | 21.00                                                                     | 17.00  | 15.00     | 14.00  | 11.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)           | 11                     | 11.00   | 2.00    | 7.98   | 2.49               | 11.00                                                                     | 10.00  | 8.00      | 7.00   | 2.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)            | 9                      | 0.20    | 0.10    | 0.12   | 0.04               | 0.20                                                                      | 0.15   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)           | 9                      | 14.00   | 13.00   | 13.56  | 0.53               | 14.00                                                                     | 14.00  | 14.00     | 13.00  | 13.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)      | 12                     | 15.00   | 0.00    | 1.42   | 4.29               | 15.00                                                                     | 0.75   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML)  | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)   | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR(COLS./100 ML) | 7                      | 15.00   | 0.00    | 2.14   | 5.67               | 15.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)         | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)     | 6                      | 0.10    | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)   | 9                      | 350.00  | 314.00  | 328.67 | 12.28              | 350.00                                                                    | 340.00 | 326.00    | 318.50 | 314.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)         | 6                      | 0.48    | 0.43    | 0.45   | 0.02               | 0.48                                                                      | 0.47   | 0.46      | 0.43   | 0.43   |
| BROMIDE, DISSOLVED (MG/L AS BR)            | 1                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293512098291701 WELL NUMBER: AY-68-29-109

LATITUDE: 293512 LONGITUDE: 0982917 WELL DEPTH: 460.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 6                      | 1.00    | 0.00    | 0.50  | 0.55                  | 1.00                                                                         | 1.00  | 0.50         | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 50.00   | 0.00    | 36.67 | 18.62                 | 50.00                                                                        | 50.00 | 40.00        | 30.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 6                      | 6.00    | 0.00    | 1.00  | 2.45                  | 6.00                                                                         | 1.50  | 0.00         | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 6                      | 10.00   | 0.00    | 3.33  | 5.16                  | 10.00                                                                        | 10.00 | 0.00         | 0.00  | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)    | 6                      | 5.00    | 0.00    | 3.00  | 2.00                  | 5.00                                                                         | 5.00  | 3.00         | 1.50  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 20.00   | 0.00    | 2.86  | 7.56                  | 20.00                                                                        | 0.00  | 0.00         | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 3.00    | 0.00    | 1.50  | 1.22                  | 3.00                                                                         | 2.25  | 2.00         | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 7                      | 6.00    | 0.00    | 0.86  | 2.27                  | 6.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)      | 6                      | 30.00   | 0.00    | 13.00 | 10.49                 | 30.00                                                                        | 22.50 | 10.00        | 6.00  | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25  | 0.00         | 0.00  | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 6                      | 0.50    | 0.00    | 0.17  | 0.21                  | 0.50                                                                         | 0.35  | 0.10         | 0.00  | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293727098262801

WELL NUMBER: AY-68-29-208

LATITUDE: 293727

LONGITUDE: 0982628

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 15          | 24.00                  | 22.50   | 23.23  | 0.42               | 24.00                                                                     | 23.50  | 23.00     | 23.00  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 14          | 541.00                 | 500.00  | 521.79 | 12.64              | 541.00                                                                    | 529.75 | 523.00    | 510.75 | 500.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 8           | 2.20                   | 0.00    | 0.62   | 0.67               | 2.20                                                                      | 0.67   | 0.40      | 0.32   | 0.00   |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL) (MG/L)  | 5           | 20.00                  | 2.00    | 12.00  | 8.75               | 20.00                                                                     | 19.00  | 17.00     | 2.50   | 2.00   |
| OXYGEN DEMAND,CHEMICAL(HIGH LEVEL)(MG/L)  | 5           | 5.00                   | 1.00    | 3.60   | 1.52               | 5.00                                                                      | 4.50   | 4.00      | 2.50   | 1.00   |
| PH (UNITS)                                | 14          | 7.20                   | 6.70    | 6.99   | 0.17               | 7.20                                                                      | 7.13   | 7.00      | 6.87   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 12          | 102.00                 | 31.00   | 52.25  | 21.92              | 102.00                                                                    | 63.50  | 46.00     | 33.75  | 31.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 14          | 270.00                 | 250.00  | 258.86 | 5.19               | 270.00                                                                    | 262.00 | 260.00    | 254.00 | 250.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 12          | 330.00                 | 310.00  | 317.00 | 6.24               | 330.00                                                                    | 320.00 | 320.00    | 310.00 | 310.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 12          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, RESIDUE AT 105 DEG. C, SUS.(MG/L) | 3           | 13.00                  | 1.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                     | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 15          | 3.50                   | 0.84    | 1.49   | 0.77               | 3.50                                                                      | 1.70   | 1.30      | 0.92   | 0.84   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 15          | 2.40                   | 0.00    | 0.46   | 0.70               | 2.40                                                                      | 0.51   | 0.14      | 0.03   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 15          | 0.11                   | 0.00    | 0.02   | 0.03               | 0.11                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 15          | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 14          | 1.30                   | 0.82    | 1.01   | 0.16               | 1.30                                                                      | 1.13   | 0.98      | 0.86   | 0.82   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 14          | 1.30                   | 0.83    | 1.01   | 0.15               | 1.30                                                                      | 1.10   | 1.00      | 0.86   | 0.83   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 15          | 0.08                   | 0.00    | 0.01   | 0.02               | 0.08                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)         | 12          | 5.50                   | 0.00    | 1.53   | 2.08               | 5.50                                                                      | 3.38   | 0.35      | 0.20   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 5           | 5.10                   | 0.40    | 2.44   | 2.05               | 5.10                                                                      | 4.55   | 2.00      | 0.55   | 0.40   |
| HARDNESS (MG/L AS CaCO3)                  | 12          | 290.00                 | 250.00  | 272.50 | 16.03              | 290.00                                                                    | 290.00 | 265.00    | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 12          | 33.00                  | 0.00    | 13.83  | 12.39              | 33.00                                                                     | 24.75  | 14.50     | 0.50   | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 12          | 110.00                 | 96.00   | 103.58 | 5.78               | 110.00                                                                    | 110.00 | 100.00    | 99.25  | 96.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 12          | 4.30                   | 2.70    | 3.10   | 0.45               | 4.30                                                                      | 3.20   | 3.00      | 2.80   | 2.70   |
| SODIUM, DISSOLVED (MG/L AS NA)            | 12          | 5.40                   | 4.10    | 4.97   | 0.38               | 5.40                                                                      | 5.28   | 5.05      | 4.68   | 4.10   |
| SODIUM ADSORPTION RATIO                   | 12          | 0.10                   | 0.10    | 0.10   | 0.00               | 0.10                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 12          | 0.70                   | 0.50    | 0.55   | 0.07               | 0.70                                                                      | 0.60   | 0.50      | 0.50   | 0.50   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 12          | 12.00                  | 7.40    | 9.98   | 1.33               | 12.00                                                                     | 11.00  | 9.65      | 9.23   | 7.40   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 12          | 9.10                   | 0.00    | 4.13   | 2.60               | 9.10                                                                      | 5.98   | 4.35      | 1.88   | 0.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 12          | 0.30                   | 0.00    | 0.11   | 0.07               | 0.30                                                                      | 0.10   | 0.10      | 0.10   | 0.00   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 12          | 14.00                  | 10.00   | 12.67  | 1.23               | 14.00                                                                     | 13.75  | 13.00     | 12.00  | 10.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 15          | 2.00                   | 0.00    | 0.20   | 0.56               | 2.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.7 UM-MF(COLS./100 ML)   | 13          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 3           | 12.00                  | 0.00    | 0.92   | 3.33               | 12.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 7           | 0.10                   | 0.00    | 0.03   | 0.05               | 0.10                                                                      | 0.10   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 11          | 308.00                 | 282.00  | 296.00 | 9.38               | 308.00                                                                    | 306.00 | 294.00    | 287.00 | 282.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 9           | 0.42                   | 0.38    | 0.40   | 0.02               | 0.42                                                                      | 0.42   | 0.41      | 0.39   | 0.38   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293727098262801

WELL NUMBER: AY-68-29-208

LATITUDE: 293727

LONGITUDE: 0982628

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 7                      | 1.00    | 0.00    | 0.71   | 0.49               | 1.00                                                                      | 1.00   | 1.00      | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 6                      | 200.00  | 0.00    | 43.83  | 78.05              | 200.00                                                                    | 74.75  | 15.00     | 0.00   | 0.00   |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 7                      | 14.00   | 0.00    | 3.43   | 5.97               | 14.00                                                                     | 10.00  | 0.00      | 0.00   | 0.00   |
| COPPER, DISSOLVED (UG/L AS CU)        | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 7                      | 30.00   | 0.00    | 8.14   | 12.14              | 30.00                                                                     | 20.00  | 0.00      | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 12                     | 11.00   | 0.00    | 4.83   | 3.95               | 11.00                                                                     | 9.00   | 4.00      | 2.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 10.00   | 0.00    | 1.43   | 3.78               | 10.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| VANADIUM, DISSOLVED (UG/L AS V)       | 3                      | 2.00    | 1.70    |        |                    |                                                                           |        |           |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 7                      | 600.00  | 480.00  | 557.14 | 38.17              | 600.00                                                                    | 580.00 | 570.00    | 550.00 | 480.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 2.00    | 0.00    | 0.29   | 0.76               | 2.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| ALDRIN, TOTAL (UG/L)                  | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| LINDANE, TOTAL (UG/L)                 | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| CHLORDANE, TOTAL (UG/L)               | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DDD, TOTAL (UG/L)                     | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DDE, TOTAL (UG/L)                     | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DDT, TOTAL (UG/L)                     | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DIELDRIN, TOTAL (UG/L)                | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| ENDOSULFAN, TOTAL (UG/L)              | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| ENDRIN, TOTAL (UG/L)                  | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| ETHION, TOTAL (UG/L)                  | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| TOXAPHENE, TOTAL (UG/L)               | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| HEPTACHLOR, TOTAL (UG/L)              | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHOXYCHLOR, TOTAL (UG/L)            | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PCB, TOTAL (UG/L)                     | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| MALATHION, TOTAL (UG/L)               | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| PARATHION, TOTAL (UG/L)               | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DIAZINON, TOTAL (UG/L)                | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYL PARATHION, TOTAL (UG/L)        | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| 2,4-D, TOTAL (UG/L)                   | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| 2,4,5-T, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MIREX, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVEX, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| TRITHION, TOTAL (UG/L)                | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYL TRITHION, TOTAL (UG/L)         | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| MERCURY, DISSOLVED (UG/L AS HG)       | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293728098270001

WELL NUMBER: AY-68-29-209

LATITUDE: 293728

LONGITUDE: 0982700

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 14          | 24.00                  | 23.00   | 23.21  | 0.38               | 24.00                                                                     | 23.50  | 23.00     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 13          | 525.00                 | 497.00  | 510.54 | 9.26               | 525.00                                                                    | 520.00 | 509.00    | 503.00 | 497.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 8           | 1.10                   | 0.10    | 0.50   | 0.34               | 1.10                                                                      | 0.77   | 0.40      | 0.22   | 0.10   |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL) (MG/L)  | 5           | 18.00                  | 5.00    | 10.60  | 4.88               | 18.00                                                                     | 15.00  | 10.00     | 6.50   | 5.00   |
| OXYGEN DEMAND,CHEMICAL(HIGH LEVEL)(MG/L)  | 3           | 2.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 13          | 7.30                   | 6.70    | 6.98   | 0.22               | 7.30                                                                      | 7.15   | 7.00      | 6.75   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 10          | 99.00                  | 26.00   | 53.60  | 22.61              | 99.00                                                                     | 66.25  | 50.00     | 36.25  | 26.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 12          | 262.00                 | 246.00  | 253.50 | 4.36               | 262.00                                                                    | 254.00 | 254.00    | 250.00 | 246.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 10          | 320.00                 | 300.00  | 310.00 | 4.71               | 320.00                                                                    | 310.00 | 310.00    | 310.00 | 300.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 10          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, RESIDUE AT 105 DEG. C, SUS.(MG/L) | 3           | 9.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                     | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 15          | 2.70                   | 0.77    | 1.64   | 0.46               | 2.70                                                                      | 1.70   | 1.60      | 1.40   | 0.77   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 12          | 0.75                   | 0.02    | 0.25   | 0.23               | 0.75                                                                      | 0.41   | 0.19      | 0.04   | 0.02   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 15          | 0.15                   | 0.00    | 0.02   | 0.04               | 0.15                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 13          | 0.02                   | 0.00    | 0.00   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 12          | 1.60                   | 1.00    | 1.36   | 0.24               | 1.60                                                                      | 1.60   | 1.45      | 1.10   | 1.00   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 12          | 1.60                   | 1.00    | 1.33   | 0.23               | 1.60                                                                      | 1.58   | 1.30      | 1.10   | 1.00   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 15          | 0.19                   | 0.00    | 0.03   | 0.05               | 0.19                                                                      | 0.03   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)         | 12          | 7.60                   | 0.00    | 1.75   | 2.63               | 7.60                                                                      | 3.88   | 0.35      | 0.20   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 4           | 5.50                   | 1.40    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 11          | 280.00                 | 250.00  | 261.82 | 9.82               | 280.00                                                                    | 260.00 | 260.00    | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 11          | 28.00                  | 0.00    | 8.82   | 9.18               | 28.00                                                                     | 12.00  | 6.00      | 3.00   | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 11          | 110.00                 | 96.00   | 101.18 | 4.58               | 110.00                                                                    | 100.00 | 100.00    | 100.00 | 96.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 11          | 2.60                   | 1.80    | 2.25   | 0.28               | 2.60                                                                      | 2.60   | 2.20      | 2.00   | 1.80   |
| SODIUM, DISSOLVED (MG/L AS NA)            | 11          | 4.50                   | 2.80    | 4.10   | 0.48               | 4.50                                                                      | 4.40   | 4.30      | 3.90   | 2.80   |
| SODIUM ADSORPTION RATIO                   | 11          | 0.10                   | 0.10    | 0.10   | 0.00               | 0.10                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 11          | 0.80                   | 0.60    | 0.71   | 0.07               | 0.80                                                                      | 0.80   | 0.70      | 0.70   | 0.60   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 11          | 16.00                  | 7.40    | 8.70   | 2.48               | 16.00                                                                     | 8.70   | 7.80      | 7.50   | 7.40   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 11          | 7.50                   | 0.00    | 3.23   | 2.20               | 7.50                                                                      | 4.40   | 3.30      | 1.20   | 0.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 11          | 0.20                   | 0.00    | 0.09   | 0.05               | 0.20                                                                      | 0.10   | 0.10      | 0.10   | 0.00   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 11          | 17.00                  | 10.00   | 13.27  | 1.68               | 17.00                                                                     | 14.00  | 13.00     | 13.00  | 10.00  |
| COLIFORM, TOTAL,IMMED.(COLS./100 ML)      | 15          | 4.00                   | 0.00    | 0.27   | 1.03               | 4.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.7 UM-MF(COLS./100 ML)   | 13          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 13          | 200.00                 | 0.00    | 15.38  | 55.47              | 200.00                                                                    | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 10          | 306.00                 | 276.00  | 287.10 | 8.95               | 306.00                                                                    | 292.50 | 285.00    | 281.25 | 276.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 8           | 0.40                   | 0.36    | 0.39   | 0.01               | 0.40                                                                      | 0.40   | 0.39      | 0.38   | 0.36   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293728098270001

WELL NUMBER: AY-68-29-209

LATITUDE: 293728

LONGITUDE: 0982700

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 7                      | 1.00    | 0.00    | 0.43   | 0.53                  | 1.00                                                                         | 1.00   | 0.00         | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 7                      | 200.00  | 0.00    | 37.71  | 73.14                 | 200.00                                                                       | 34.00  | 0.00         | 0.00   | 0.00   |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 7                      | 11.00   | 0.00    | 3.00   | 5.13                  | 11.00                                                                        | 10.00  | 0.00         | 0.00   | 0.00   |
| COPPER, DISSOLVED (UG/L AS CU)        | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 7                      | 90.00   | 0.00    | 19.43  | 32.39                 | 90.00                                                                        | 20.00  | 6.00         | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 11                     | 17.00   | 0.00    | 4.64   | 4.70                  | 17.00                                                                        | 7.00   | 4.00         | 2.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 2.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| VANADIUM, DISSOLVED (UG/L AS V)       | 3                      | 2.00    | 1.30    |        |                       |                                                                              |        |              |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 7                      | 720.00  | 550.00  | 635.71 | 67.54                 | 720.00                                                                       | 680.00 | 670.00       | 560.00 | 550.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ALDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| LINDANE, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| CHLORDANE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DDD, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DDE, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DDT, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DIELDRIN, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ENDOSULFAN, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ENDRIN, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ETHION, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| TOXAPHENE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| HEPTACHLOR, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHOXYCHLOR, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| PCB, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MALATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| PARATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DIAZINON, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYL PARATHION, TOTAL (UG/L)        | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| 2,4-D, TOTAL (UG/L)                   | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| 2,4,5-T, TOTAL (UG/L)                 | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SILVEX, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| TRITHION, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYL TRITHION, TOTAL (UG/L)         | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)       | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293611098254401

WELL NUMBER: AY-68-29-210

LATITUDE: 293611

LONGITUDE: 0982544

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 6           | 23.00                  | 22.00   | 22.58  | 0.38               | 23.00                                                                     | 23.00  | 22.50     | 22.37  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 5           | 537.00                 | 519.00  | 529.60 | 6.99               | 537.00                                                                    | 535.50 | 531.00    | 523.00 | 519.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 2           | 1.10                   | 1.00    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)  | 1           | 29.00                  | 29.00   |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) | 2           | 25.00                  | 6.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 5           | 6.80                   | 6.50    | 6.68   | 0.13               | 6.80                                                                      | 6.80   | 6.70      | 6.55   | 6.50   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 3           | 125.00                 | 81.00   |        |                    |                                                                           |        |           |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 5           | 262.00                 | 250.00  | 254.00 | 4.90               | 262.00                                                                    | 258.00 | 254.00    | 250.00 | 250.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 3           | 320.00                 | 310.00  |        |                    |                                                                           |        |           |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)             | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, RESIDUE AT 105 DEG. C, SUS. (MG/L)  | 1           | 1.00                   | 1.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                       | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 6           | 2.10                   | 1.10    | 1.50   | 0.37               | 2.10                                                                      | 1.88   | 1.35      | 1.25   | 1.10   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5           | 0.82                   | 0.10    | 0.29   | 0.30               | 0.82                                                                      | 0.52   | 0.16      | 0.12   | 0.10   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 6           | 0.14                   | 0.00    | 0.02   | 0.06               | 0.14                                                                      | 0.04   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 5           | 1.20                   | 0.92    | 1.12   | 0.12               | 1.20                                                                      | 1.20   | 1.20      | 1.01   | 0.92   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 6           | 1.20                   | 0.93    | 1.12   | 0.11               | 1.20                                                                      | 1.20   | 1.15      | 1.06   | 0.93   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 6           | 0.03                   | 0.01    | 0.02   | 0.01               | 0.03                                                                      | 0.03   | 0.02      | 0.01   | 0.01   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 2           | 5.30                   | 0.10    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 4           | 3.50                   | 0.10    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                    | 5           | 290.00                 | 270.00  | 278.00 | 8.37               | 290.00                                                                    | 285.00 | 280.00    | 270.00 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 5           | 27.00                  | 17.00   | 22.80  | 4.02               | 27.00                                                                     | 26.50  | 23.00     | 19.00  | 17.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 5           | 100.00                 | 89.00   | 95.20  | 4.21               | 100.00                                                                    | 99.00  | 95.00     | 91.50  | 89.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 5           | 14.00                  | 7.90    | 9.54   | 2.52               | 14.00                                                                     | 11.40  | 8.70      | 8.10   | 7.90   |
| SODIUM, DISSOLVED (MG/L AS NA)              | 5           | 5.00                   | 4.30    | 4.70   | 0.33               | 5.00                                                                      | 5.00   | 4.80      | 4.35   | 4.30   |
| SODIUM ADSORPTION RATIO                     | 5           | 0.10                   | 0.10    | 0.10   | 0.00               | 0.10                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 5           | 0.90                   | 0.70    | 0.78   | 0.08               | 0.90                                                                      | 0.85   | 0.80      | 0.70   | 0.70   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 5           | 18.00                  | 7.70    | 10.14  | 4.42               | 18.00                                                                     | 13.50  | 8.20      | 7.75   | 7.70   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 5           | 24.00                  | 6.40    | 12.04  | 6.90               | 24.00                                                                     | 17.50  | 10.00     | 7.60   | 6.40   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 5           | 0.40                   | 0.10    | 0.16   | 0.13               | 0.40                                                                      | 0.25   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 5           | 12.00                  | 11.00   | 11.40  | 0.55               | 12.00                                                                     | 12.00  | 11.00     | 11.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 6           | 37.00                  | 0.00    | 10.33  | 14.32              | 37.00                                                                     | 21.25  | 4.50      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 6           | 6.00                   | 0.00    | 1.00   | 2.45               | 6.00                                                                      | 1.50   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 6           | 11.00                  | 0.00    | 2.00   | 4.43               | 11.00                                                                     | 3.50   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 5           | 306.00                 | 290.00  | 297.60 | 6.69               | 306.00                                                                    | 304.00 | 298.00    | 291.00 | 290.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 3           | 0.42                   | 0.40    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 3           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293611098254401

WELL NUMBER: AY-68-29-210

LATITUDE: 293611

LONGITUDE: 0982544

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 4                      | 1.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| BARIUM, DISSOLVED (UG/L AS BA)        | 4                      | 30.00   | 0.00    |       |                       |                                                                              |       |              |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 4                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 4                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 4                      | 4.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| IRON, DISSOLVED (UG/L AS FE)          | 4                      | 80.00   | 0.00    |       |                       |                                                                              |       |              |      |      |
| LEAD, DISSOLVED (UG/L AS PB)          | 5                      | 54.00   | 0.00    | 16.00 | 22.03                 | 54.00                                                                        | 35.00 | 5.00         | 2.50 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 4                      | 7.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| NICKEL, DISSOLVED (UG/L AS NI)        | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 4                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 1                      | 2.00    | 2.00    |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 4                      | 860.00  | 820.00  |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 4                      | 1.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ALDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LINDANE, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| CHLORDANE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDD, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDE, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDT, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIELDRIN, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ENDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ETHION, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PCB, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.05    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| TRITHION, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 4                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293615098243201

WELL NUMBER: AY-68-29-303

LATITUDE: 293615

LONGITUDE: 0982432

WELL DEPTH: 527.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 12          | 23.50                  | 22.00   | 22.57  | 0.48               | 23.50                                                                     | 23.00  | 22.50     | 22.07  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 12          | 557.00                 | 507.00  | 535.92 | 18.44              | 557.00                                                                    | 550.25 | 544.50    | 513.25 | 507.00 |
| PH (UNITS)                                  | 12          | 7.50                   | 6.70    | 6.97   | 0.26               | 7.50                                                                      | 7.17   | 6.90      | 6.73   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 9           | 100.00                 | 17.00   | 53.56  | 27.05              | 100.00                                                                    | 74.50  | 48.00     | 30.50  | 17.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 11          | 276.00                 | 230.00  | 261.45 | 14.56              | 276.00                                                                    | 274.00 | 267.00    | 250.00 | 230.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 9           | 336.00                 | 300.00  | 324.56 | 12.01              | 336.00                                                                    | 334.50 | 328.00    | 316.00 | 300.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 9           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 8           | 3.20                   | 1.50    | 2.00   | 0.53               | 3.20                                                                      | 2.10   | 1.90      | 1.63   | 1.50   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 8           | 1.40                   | 0.02    | 0.38   | 0.46               | 1.40                                                                      | 0.58   | 0.20      | 0.07   | 0.02   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 12          | 0.14                   | 0.00    | 0.02   | 0.04               | 0.14                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 8           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 7           | 1.80                   | 1.40    | 1.60   | 0.15               | 1.80                                                                      | 1.70   | 1.60      | 1.40   | 1.40   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 12          | 1.90                   | 1.40    | 1.65   | 0.18               | 1.90                                                                      | 1.80   | 1.65      | 1.45   | 1.40   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 12          | 0.09                   | 0.00    | 0.03   | 0.03               | 0.09                                                                      | 0.05   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 9           | 6.60                   | 0.00    | 1.51   | 2.22               | 6.60                                                                      | 2.65   | 0.40      | 0.20   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 11          | 290.00                 | 250.00  | 275.45 | 13.68              | 290.00                                                                    | 290.00 | 280.00    | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 11          | 24.00                  | 1.00    | 13.09  | 7.61               | 24.00                                                                     | 18.00  | 15.00     | 5.00   | 1.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 11          | 100.00                 | 89.00   | 93.91  | 3.59               | 100.00                                                                    | 96.00  | 95.00     | 90.00  | 89.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 11          | 12.00                  | 7.20    | 9.71   | 1.60               | 12.00                                                                     | 11.00  | 9.40      | 8.80   | 7.20   |
| SODIUM, DISSOLVED (MG/L AS Na)              | 11          | 5.10                   | 4.20    | 4.63   | 0.30               | 5.10                                                                      | 4.80   | 4.70      | 4.30   | 4.20   |
| SODIUM ADSORPTION RATIO                     | 11          | 0.10                   | 0.10    | 0.10   | 0.00               | 0.10                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 11          | 1.80                   | 0.80    | 0.97   | 0.28               | 1.80                                                                      | 0.90   | 0.90      | 0.90   | 0.80   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 11          | 11.00                  | 5.50    | 8.26   | 1.46               | 11.00                                                                     | 8.90   | 8.60      | 7.70   | 5.50   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 11          | 11.00                  | 0.00    | 8.58   | 3.36               | 11.00                                                                     | 11.00  | 9.80      | 8.50   | 0.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 9           | 0.30                   | 0.10    | 0.13   | 0.07               | 0.30                                                                      | 0.15   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 10          | 12.00                  | 11.00   | 11.50  | 0.53               | 12.00                                                                     | 12.00  | 11.50     | 11.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 13          | 620.00                 | 0.00    | 52.85  | 171.20             | 620.00                                                                    | 3.50   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 6           | 2.00                   | 0.00    | 0.33   | 0.82               | 2.00                                                                      | 0.50   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 7           | 6.00                   | 0.00    | 1.29   | 2.21               | 6.00                                                                      | 2.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 9           | 310.00                 | 275.00  | 295.78 | 13.19              | 310.00                                                                    | 304.50 | 302.00    | 281.00 | 275.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 7           | 0.42                   | 0.38    | 0.40   | 0.01               | 0.42                                                                      | 0.41   | 0.41      | 0.39   | 0.38   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293615098243201 WELL NUMBER: AY-68-29-303

LATITUDE: 293615 LONGITUDE: 0982432 WELL DEPTH: 527.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 8                      | 1.00    | 0.00    | 0.38  | 0.52                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 30.00   | 0.00    | 20.00 | 15.49                 | 30.00                                                                        | 30.00 | 30.00        | 0.00 | 0.00 |
| BORON, DISSOLVED (UG/L AS B)      | 1                      | 600.00  | 600.00  |       |                       |                                                                              |       |              |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 8                      | 20.00   | 0.00    | 3.75  | 7.44                  | 20.00                                                                        | 7.50  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 3                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 8                      | 2.00    | 0.00    | 0.75  | 1.04                  | 2.00                                                                         | 2.00  | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 9                      | 20.00   | 0.00    | 2.22  | 6.67                  | 20.00                                                                        | 0.00  | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 8                      | 2.00    | 0.00    | 0.25  | 0.71                  | 2.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 9                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 3                      | 3.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 3                      | 220.00  | 200.00  |       |                       |                                                                              |       |              |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)   | 1                      | 2.30    | 2.30    |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 8                      | 20.00   | 0.00    | 3.13  | 7.04                  | 20.00                                                                        | 3.75  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 3                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25  | 0.00         | 0.00 | 0.00 |
| ALDRIN, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LINDANE, TOTAL (UG/L)             | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| CHLORDANE, TOTAL (UG/L)           | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDD, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDE, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDT, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIELDRIN, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ENDRIN, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| TOXAPHENE, TOTAL (UG/L)           | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)          | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PCB, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MALATHION, TOTAL (UG/L)           | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PARATHION, TOTAL (UG/L)           | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIAZINON, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)    | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4-D, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4,5-T, TOTAL (UG/L)             | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVEX, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)   | 8                      | 0.40    | 0.00    | 0.05  | 0.14                  | 0.40                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293432098292201

WELL NUMBER: AY-68-29-401

LATITUDE: 293432

LONGITUDE: 0982922

WELL DEPTH: 517.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 7           | 24.00                  | 23.00   | 23.43  | 0.35               | 24.00                                                                     | 23.50  | 23.50     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 7           | 614.00                 | 525.00  | 569.00 | 31.06              | 614.00                                                                    | 606.00 | 560.00    | 552.00 | 525.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 1           | 1.00                   | 1.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 7           | 7.30                   | 6.80    | 6.96   | 0.19               | 7.30                                                                      | 7.10   | 6.90      | 6.80   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 6           | 87.00                  | 26.00   | 60.33  | 23.67              | 87.00                                                                     | 84.75  | 61.00     | 38.75  | 26.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 8           | 287.00                 | 260.00  | 273.63 | 8.65               | 287.00                                                                    | 281.25 | 271.50    | 268.00 | 260.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 7           | 350.00                 | 326.00  | 336.00 | 8.79               | 350.00                                                                    | 344.00 | 332.00    | 330.00 | 326.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 5           | 2.30                   | 1.30    | 1.68   | 0.39               | 2.30                                                                      | 2.00   | 1.70      | 1.35   | 1.30   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 4           | 0.88                   | 0.09    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 8           | 0.01                   | 0.00    | 0.00   | 0.00               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 5           | 0.01                   | 0.00    | 0.00   | 0.01               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 4           | 1.40                   | 0.95    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 8           | 1.50                   | 0.79    | 1.16   | 0.23               | 1.50                                                                      | 1.35   | 1.20      | 0.97   | 0.79   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 8           | 0.05                   | 0.01    | 0.03   | 0.01               | 0.05                                                                      | 0.04   | 0.02      | 0.01   | 0.01   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 6           | 2.60                   | 0.30    | 1.63   | 0.93               | 2.60                                                                      | 2.53   | 1.80      | 0.68   | 0.30   |
| HARDNESS (MG/L AS CaCO3)                    | 8           | 310.00                 | 270.00  | 288.75 | 12.46              | 310.00                                                                    | 297.50 | 290.00    | 280.00 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 8           | 29.00                  | 4.00    | 14.88  | 8.44               | 29.00                                                                     | 20.00  | 16.00     | 7.00   | 4.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 8           | 110.00                 | 85.00   | 93.50  | 8.99               | 110.00                                                                    | 100.00 | 90.50     | 85.50  | 85.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 8           | 17.00                  | 8.90    | 13.36  | 2.85               | 17.00                                                                     | 15.75  | 14.00     | 10.50  | 8.90   |
| SODIUM, DISSOLVED (MG/L AS Na)              | 8           | 8.60                   | 5.70    | 6.99   | 1.18               | 8.60                                                                      | 8.10   | 6.80      | 5.80   | 5.70   |
| SODIUM ADSORPTION RATIO                     | 8           | 0.20                   | 0.10    | 0.18   | 0.05               | 0.20                                                                      | 0.20   | 0.20      | 0.12   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 8           | 1.10                   | 0.60    | 0.89   | 0.15               | 1.10                                                                      | 0.98   | 0.90      | 0.83   | 0.60   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 8           | 18.00                  | 8.50    | 12.39  | 3.29               | 18.00                                                                     | 15.00  | 11.50     | 9.70   | 8.50   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 8           | 21.00                  | 6.60    | 10.41  | 4.69               | 21.00                                                                     | 11.75  | 9.00      | 7.27   | 6.60   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 7           | 0.30                   | 0.10    | 0.19   | 0.07               | 0.30                                                                      | 0.20   | 0.20      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 7           | 14.00                  | 12.00   | 13.14  | 0.69               | 14.00                                                                     | 14.00  | 13.00     | 13.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 4           | 3.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 4           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 7           | 341.00                 | 297.00  | 317.29 | 18.86              | 341.00                                                                    | 338.00 | 307.00    | 303.00 | 297.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 4           | 0.46                   | 0.42    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293432098292201

WELL NUMBER: AY-68-29-401

LATITUDE: 293432

LONGITUDE: 0982922

WELL DEPTH: 517.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 5                      | 1.00    | 0.00    | 0.60 | 0.55                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 4                      | 300.00  | 0.00    |      |                       |                                                                              |       |              |      |      |
| BORON, DISSOLVED (UG/L AS B)      | 1                      | 20.00   | 20.00   |      |                       |                                                                              |       |              |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 5                      | 0.00    | 0.00    | 0.00 | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 5                      | 10.00   | 0.00    | 2.00 | 4.47                  | 10.00                                                                        | 5.00  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 6                      | 10.00   | 1.00    | 4.33 | 4.03                  | 10.00                                                                        | 9.25  | 2.00         | 1.75 | 1.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 20.00   | 0.00    | 7.14 | 9.51                  | 20.00                                                                        | 20.00 | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 4.00    | 0.00    | 1.33 | 1.75                  | 4.00                                                                         | 3.25  | 0.50         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 7                      | 0.00    | 0.00    | 0.00 | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 2                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 4                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 2                      | 280.00  | 250.00  |      |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 6                      | 30.00   | 0.00    | 9.00 | 12.88                 | 30.00                                                                        | 22.50 | 2.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 2                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 2                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 4                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| ALDRIN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| LINDANE, TOTAL (UG/L)             | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| CHLORDANE, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DDD, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DDE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DDT, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DIELDRIN, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| ENDRIN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| TOXAPHENE, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)          | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| PCB, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| MALATHION, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| PARATHION, TOTAL (UG/L)           | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DIAZINON, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)    | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| 2,4-D, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| 2,4,5-T, TOTAL (UG/L)             | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| SILVEX, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)   | 5                      | 0.40    | 0.00    | 0.08 | 0.18                  | 0.40                                                                         | 0.20  | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293259098275701

WELL NUMBER: AY-68-29-405

LATITUDE: 293259

LONGITUDE: 0982757

WELL DEPTH: 395.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |        |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|--------|--------|--------|
|                                           | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | MEDIAN                                                                    |        |        |        |        |
|                                           |                        |         |         |        |                    | 95                                                                        | 75     | 50     | 25     | 5      |
| TEMPERATURE (DEG C)                       | 6                      | 24.00   | 22.50   | 23.25  | 0.61               | 24.00                                                                     | 24.00  | 23.00  | 22.87  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 6                      | 623.00  | 572.00  | 597.67 | 17.10              | 623.00                                                                    | 608.75 | 598.50 | 585.50 | 572.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1                      | 1.50    | 1.50    |        |                    |                                                                           |        |        |        |        |
| PH (UNITS)                                | 6                      | 7.60    | 6.80    | 7.23   | 0.29               | 7.60                                                                      | 7.45   | 7.30   | 6.95   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 6                      | 91.00   | 12.00   | 39.33  | 29.05              | 91.00                                                                     | 64.00  | 28.00  | 19.50  | 12.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 6                      | 295.00  | 253.00  | 280.17 | 14.29              | 295.00                                                                    | 289.00 | 282.50 | 274.00 | 253.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 6                      | 360.00  | 308.00  | 341.50 | 17.66              | 360.00                                                                    | 352.50 | 344.50 | 333.50 | 308.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00   | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 4                      | 2.50    | 1.40    |        |                    |                                                                           |        |        |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 4                      | 0.78    | 0.00    |        |                    |                                                                           |        |        |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 6                      | 0.15    | 0.00    | 0.04   | 0.06               | 0.15                                                                      | 0.10   | 0.01   | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 4                      | 0.02    | 0.00    |        |                    |                                                                           |        |        |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 4                      | 1.70    | 1.40    |        |                    |                                                                           |        |        |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 6                      | 1.70    | 1.30    | 1.43   | 0.15               | 1.70                                                                      | 1.55   | 1.40   | 1.30   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 6                      | 0.05    | 0.00    | 0.02   | 0.02               | 0.05                                                                      | 0.03   | 0.02   | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 5                      | 18.00   | 0.40    | 4.62   | 7.53               | 18.00                                                                     | 10.40  | 1.00   | 0.65   | 0.40   |
| HARDNESS (MG/L AS CaCO3)                  | 6                      | 320.00  | 270.00  | 301.67 | 18.35              | 320.00                                                                    | 320.00 | 300.00 | 292.50 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 6                      | 29.00   | 14.00   | 19.50  | 6.09               | 29.00                                                                     | 26.00  | 17.00  | 14.75  | 14.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 6                      | 110.00  | 90.00   | 101.67 | 7.53               | 110.00                                                                    | 110.00 | 100.00 | 97.50  | 90.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 6                      | 11.00   | 10.00   | 10.83  | 0.41               | 11.00                                                                     | 11.00  | 11.00  | 10.75  | 10.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 6                      | 10.00   | 8.60    | 9.72   | 0.56               | 10.00                                                                     | 10.00  | 10.00  | 9.43   | 8.60   |
| SODIUM ADSORPTION RATIO                   | 6                      | 0.30    | 0.20    | 0.23   | 0.05               | 0.30                                                                      | 0.30   | 0.20   | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 6                      | 1.60    | 1.20    | 1.43   | 0.14               | 1.60                                                                      | 1.53   | 1.45   | 1.35   | 1.20   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 6                      | 17.00   | 12.00   | 14.50  | 1.64               | 17.00                                                                     | 15.50  | 14.50  | 13.50  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 6                      | 19.00   | 13.00   | 15.00  | 2.53               | 19.00                                                                     | 17.50  | 14.00  | 13.00  | 13.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 5                      | 0.20    | 0.10    | 0.18   | 0.04               | 0.20                                                                      | 0.20   | 0.20   | 0.15   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 6                      | 14.00   | 12.00   | 13.00  | 0.63               | 14.00                                                                     | 13.25  | 13.00  | 12.75  | 12.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |        |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |        |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |        |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 3                      | 0.02    | 0.00    |        |                    |                                                                           |        |        |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 6                      | 359.00  | 300.00  | 334.33 | 20.06              | 359.00                                                                    | 351.50 | 333.00 | 324.00 | 300.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 4                      | 0.49    | 0.45    |        |                    |                                                                           |        |        |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATAS IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293259098275701

WELL NUMBER: AY-68-29-405

LATITUDE: 293259

LONGITUDE: 0982757

WELL DEPTH: 395.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |      |      |
|-----------------------------------|------------------------|---------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|------|------|
|                                   | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 5                      | 1.00    | 0.00    | 0.20  | 0.45               | 1.00                                                                      | 0.50  | 0.00      | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| BORON, DISSOLVED (UG/L AS B)      | 1                      | 30.00   | 30.00   |       |                    |                                                                           |       |           |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 5                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 5                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 6                      | 10.00   | 0.00    | 4.67  | 3.33               | 10.00                                                                     | 7.00  | 4.50      | 2.25 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 6                      | 20.00   | 0.00    | 3.33  | 8.16               | 20.00                                                                     | 5.00  | 0.00      | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 6                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 4                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 3                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 4                      | 250.00  | 200.00  |       |                    |                                                                           |       |           |      |      |
| Vanadium, DISSOLVED (UG/L AS V)   | 1                      | 3.30    | 3.30    |       |                    |                                                                           |       |           |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 6                      | 70.00   | 0.00    | 26.67 | 30.77              | 70.00                                                                     | 55.00 | 20.00     | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 4                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 4                      | 10.00   | 0.00    |       |                    |                                                                           |       |           |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 3                      | 1.00    | 0.00    |       |                    |                                                                           |       |           |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)   | 5                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293123098290301

WELL NUMBER: AY-68-29-702

LATITUDE: 293123

LONGITUDE: 0982903

WELL DEPTH: 872.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 10          | 22.50                  | 21.00   | 22.10  | 0.46               | 22.50                                                                     | 22.50  | 22.00     | 22.00  | 21.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 11          | 580.00                 | 529.00  | 556.18 | 18.51              | 580.00                                                                    | 572.00 | 559.00    | 538.00 | 529.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 1           | 0.60                   | 0.60    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)  | 1           | 43.00                  | 43.00   |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) | 1           | 4.00                   | 4.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 10          | 7.90                   | 6.70    | 7.10   | 0.34               | 7.90                                                                      | 7.25   | 7.00      | 6.90   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 8           | 64.00                  | 6.00    | 42.00  | 21.56              | 64.00                                                                     | 62.00  | 45.00     | 23.00  | 6.00   |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 10          | 262.00                 | 246.00  | 255.30 | 5.31               | 262.00                                                                    | 260.50 | 254.00    | 252.25 | 246.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 8           | 320.00                 | 300.00  | 311.62 | 6.76               | 320.00                                                                    | 319.00 | 310.00    | 308.25 | 300.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 8           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                       | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 7           | 2.70                   | 1.20    | 1.91   | 0.59               | 2.70                                                                      | 2.60   | 1.70      | 1.40   | 1.20   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 6           | 0.96                   | 0.08    | 0.37   | 0.37               | 0.96                                                                      | 0.78   | 0.17      | 0.13   | 0.08   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 10          | 0.38                   | 0.00    | 0.04   | 0.12               | 0.38                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 7           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 6           | 1.60                   | 1.10    | 1.42   | 0.19               | 1.60                                                                      | 1.60   | 1.45      | 1.25   | 1.10   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 11          | 1.60                   | 1.10    | 1.43   | 0.19               | 1.60                                                                      | 1.60   | 1.50      | 1.30   | 1.10   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 10          | 0.04                   | 0.00    | 0.02   | 0.02               | 0.04                                                                      | 0.03   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 1           | 1.80                   | 1.80    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 6           | 17.00                  | 0.10    | 3.63   | 6.63               | 17.00                                                                     | 6.50   | 0.75      | 0.18   | 0.10   |
| HARDNESS (MG/L AS CaCO3)                    | 10          | 300.00                 | 270.00  | 286.00 | 8.43               | 300.00                                                                    | 290.00 | 290.00    | 280.00 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L AS CaCO3)      | 10          | 39.00                  | 14.00   | 30.30  | 7.78               | 39.00                                                                     | 36.50  | 30.50     | 27.00  | 14.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 10          | 98.00                  | 86.00   | 91.80  | 3.52               | 98.00                                                                     | 94.00  | 92.50     | 89.25  | 86.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 10          | 14.00                  | 13.00   | 13.70  | 0.48               | 14.00                                                                     | 14.00  | 14.00     | 13.00  | 13.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 8           | 8.60                   | 7.10    | 7.93   | 0.51               | 8.60                                                                      | 8.33   | 8.00      | 7.45   | 7.10   |
| SODIUM ADSORPTION RATIO                     | 8           | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 8           | 1.20                   | 1.10    | 1.16   | 0.05               | 1.20                                                                      | 1.20   | 1.20      | 1.10   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 10          | 14.00                  | 11.00   | 12.30  | 0.82               | 14.00                                                                     | 13.00  | 12.00     | 12.00  | 11.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 10          | 26.00                  | 20.00   | 23.70  | 1.77               | 26.00                                                                     | 25.00  | 24.00     | 22.75  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 9           | 0.60                   | 0.20    | 0.26   | 0.13               | 0.60                                                                      | 0.25   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 9           | 12.00                  | 11.00   | 11.56  | 0.53               | 12.00                                                                     | 12.00  | 12.00     | 11.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 9           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 9           | 325.00                 | 303.00  | 316.22 | 7.51               | 325.00                                                                    | 323.00 | 316.00    | 310.50 | 303.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 4           | 0.44                   | 0.42    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 2           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293123098290301

WELL NUMBER: AY-68-29-702

LATITUDE: 293123

LONGITUDE: 0982903

WELL DEPTH: 872.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |      |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |      |      |
|---------------------------------------|------------------------|---------|---------|------|--------------------|---------------------------------------------------------------------------|-------|-----------|------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 7                      | 1.00    | 0.00    | 0.57 | 0.53               | 1.00                                                                      | 1.00  | 1.00      | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 4                      | 40.00   | 30.00   |      |                    |                                                                           |       |           |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 5                      | 2.00    | 0.00    | 0.40 | 0.89               | 2.00                                                                      | 1.00  | 0.00      | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 5                      | 20.00   | 0.00    | 8.00 | 8.37               | 20.00                                                                     | 15.00 | 10.00     | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 7                      | 4.00    | 0.00    | 2.14 | 1.77               | 4.00                                                                      | 4.00  | 3.00      | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 5                      | 0.00    | 0.00    | 0.00 | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 7                      | 20.00   | 0.00    | 3.86 | 7.31               | 20.00                                                                     | 4.00  | 0.00      | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 5                      | 0.00    | 0.00    | 0.00 | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 4                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 1                      | 370.00  | 370.00  |      |                    |                                                                           |       |           |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 7                      | 20.00   | 0.00    | 4.29 | 7.87               | 20.00                                                                     | 10.00 | 0.00      | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 4                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ALDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| LINDANE, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| CHLORDANE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DDD, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DDE, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DDT, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DIELDRIN, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ENDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| PCB, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 7                      | 0.20    | 0.00    | 0.03 | 0.08               | 0.20                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293150098251301

WELL NUMBER: AY-68-29-805

LATITUDE: 293150

LONGITUDE: 0982513

WELL DEPTH: 800.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                             | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 5                      | 23.70   | 23.00   | 23.24  | 0.34                  | 23.70                                                                        | 23.60  | 23.00        | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 7                      | 564.00  | 519.00  | 546.14 | 14.09                 | 564.00                                                                       | 556.00 | 548.00       | 543.00 | 519.00 |
| PH (UNITS)                                  | 7                      | 7.60    | 7.10    | 7.36   | 0.21                  | 7.60                                                                         | 7.50   | 7.50         | 7.10   | 7.10   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 6                      | 36.00   | 12.00   | 20.00  | 9.98                  | 36.00                                                                        | 30.75  | 14.50        | 13.50  | 12.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 7                      | 238.00  | 225.00  | 233.57 | 5.06                  | 238.00                                                                       | 238.00 | 235.00       | 230.00 | 225.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 6                      | 290.00  | 274.00  | 285.33 | 6.41                  | 290.00                                                                       | 290.00 | 288.00       | 280.00 | 274.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 5                      | 2.20    | 1.90    | 2.04   | 0.11                  | 2.20                                                                         | 2.15   | 2.00         | 1.95   | 1.90   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5                      | 0.38    | 0.07    | 0.17   | 0.12                  | 0.38                                                                         | 0.27   | 0.12         | 0.09   | 0.07   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 7                      | 0.12    | 0.00    | 0.03   | 0.04                  | 0.12                                                                         | 0.05   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 5                      | 0.02    | 0.00    | 0.01   | 0.01                  | 0.02                                                                         | 0.02   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 4                      | 1.90    | 1.80    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 7                      | 1.90    | 1.60    | 1.79   | 0.12                  | 1.90                                                                         | 1.90   | 1.80         | 1.70   | 1.60   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 7                      | 0.05    | 0.00    | 0.01   | 0.02                  | 0.05                                                                         | 0.04   | 0.00         | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 5                      | 6.40    | 0.00    | 1.58   | 2.71                  | 6.40                                                                         | 3.60   | 0.50         | 0.10   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 7                      | 280.00  | 270.00  | 274.29 | 5.35                  | 280.00                                                                       | 280.00 | 270.00       | 270.00 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 7                      | 45.00   | 35.00   | 41.57  | 3.51                  | 45.00                                                                        | 44.00  | 42.00        | 39.00  | 35.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 7                      | 85.00   | 80.00   | 82.29  | 1.80                  | 85.00                                                                        | 84.00  | 82.00        | 81.00  | 80.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 7                      | 17.00   | 16.00   | 16.86  | 0.38                  | 17.00                                                                        | 17.00  | 17.00        | 17.00  | 16.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 6                      | 10.00   | 8.90    | 9.37   | 0.48                  | 10.00                                                                        | 9.93   | 9.20         | 8.98   | 8.90   |
| SODIUM ADSORPTION RATIO                     | 6                      | 0.30    | 0.20    | 0.23   | 0.05                  | 0.30                                                                         | 0.30   | 0.20         | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 6                      | 1.50    | 1.30    | 1.45   | 0.08                  | 1.50                                                                         | 1.50   | 1.50         | 1.38   | 1.30   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 7                      | 15.00   | 12.00   | 13.71  | 0.95                  | 15.00                                                                        | 14.00  | 14.00        | 13.00  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 7                      | 36.00   | 29.00   | 31.00  | 2.38                  | 36.00                                                                        | 32.00  | 30.00        | 30.00  | 29.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 5                      | 0.20    | 0.20    | 0.20   | 0.00                  | 0.20                                                                         | 0.20   | 0.20         | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 6                      | 13.00   | 11.00   | 12.17  | 0.75                  | 13.00                                                                        | 13.00  | 12.00        | 11.75  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2                      | 20.00   | 0.00    |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 6                      | 313.00  | 304.00  | 309.33 | 4.23                  | 313.00                                                                       | 313.00 | 310.50       | 304.75 | 304.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 5                      | 0.43    | 0.41    | 0.42   | 0.01                  | 0.43                                                                         | 0.43   | 0.43         | 0.42   | 0.41   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.10    | 0.10    |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293150098251301

WELL NUMBER: AY-68-29-805

LATITUDE: 293150

LONGITUDE: 0982513

WELL DEPTH: 800.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 5                      | 2.00    | 0.00    | 0.80  | 0.84                  | 2.00                                                                         | 1.50  | 1.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 3                      | 300.00  | 0.00    |       |                       |                                                                              |       |              |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 6                      | 13.00   | 3.00    | 6.67  | 3.50                  | 13.00                                                                        | 8.50  | 6.50         | 3.75 | 3.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 5                      | 50.00   | 0.00    | 18.00 | 20.49                 | 50.00                                                                        | 35.00 | 20.00        | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 3.00    | 0.00    | 0.83  | 1.33                  | 3.00                                                                         | 2.25  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 2                      | 2.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 3                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 2                      | 520.00  | 520.00  |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 3                      | 1.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)   | 5                      | 0.20    | 0.00    | 0.04  | 0.09                  | 0.20                                                                         | 0.10  | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293718098211301

WELL NUMBER: AY-68-30-102

LATITUDE: 293718

LONGITUDE: 0982113

WELL DEPTH: 418.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                  | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|--------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                            |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                        | 5           | 22.50                  | 22.00   | 22.38  | 0.22               | 22.50                                                                     | 22.50  | 22.50     | 22.20  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)               | 5           | 516.00                 | 489.00  | 506.40 | 10.36              | 516.00                                                                    | 513.50 | 510.00    | 497.50 | 489.00 |
| PH (UNITS)                                 | 5           | 7.40                   | 6.90    | 7.04   | 0.21               | 7.40                                                                      | 7.20   | 7.00      | 6.90   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)    | 5           | 55.00                  | 17.00   | 42.00  | 14.87              | 55.00                                                                     | 53.00  | 45.00     | 29.50  | 17.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)           | 5           | 230.00                 | 208.00  | 219.40 | 8.79               | 230.00                                                                    | 226.50 | 223.00    | 210.50 | 208.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)         | 5           | 280.00                 | 254.00  | 267.60 | 10.43              | 280.00                                                                    | 276.00 | 272.00    | 257.00 | 254.00 |
| CARBONATE FET-FLD (MG/L AS CO3)            | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                | 3           | 1.30                   | 0.96    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)        | 3           | 0.16                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)        | 5           | 0.01                   | 0.00    | 0.00   | 0.00               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)        | 3           | 0.01                   | 0.01    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)        | 3           | 1.10                   | 0.93    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)        | 5           | 1.20                   | 0.80    | 1.00   | 0.15               | 1.20                                                                      | 1.15   | 0.96      | 0.87   | 0.80   |
| PHOSPHORUS, TOTAL (MG/L AS P)              | 4           | 0.04                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)      | 3           | 2.50                   | 0.60    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                   | 5           | 260.00                 | 250.00  | 254.00 | 5.48               | 260.00                                                                    | 260.00 | 250.00    | 250.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)        | 5           | 40.00                  | 24.00   | 36.00  | 6.78               | 40.00                                                                     | 40.00  | 38.00     | 31.00  | 24.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)            | 5           | 94.00                  | 88.00   | 90.80  | 2.28               | 94.00                                                                     | 93.00  | 90.00     | 89.00  | 88.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)          | 5           | 8.00                   | 6.30    | 6.90   | 0.66               | 8.00                                                                      | 7.45   | 6.80      | 6.40   | 6.30   |
| SODIUM, DISSOLVED (MG/L AS Na)             | 4           | 7.00                   | 6.20    |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                    | 4           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)           | 4           | 1.00                   | 0.80    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)           | 6           | 12.00                  | 10.00   | 11.17  | 0.75               | 12.00                                                                     | 12.00  | 11.00     | 10.75  | 10.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)           | 5           | 32.00                  | 18.00   | 25.40  | 5.98               | 32.00                                                                     | 31.50  | 24.00     | 20.00  | 18.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)            | 4           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)           | 4           | 12.00                  | 11.00   |        |                    |                                                                           |        |           |        |        |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)     | 4           | 2.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)         | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)     | 3           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)  | 4           | 290.00                 | 277.00  |        |                    |                                                                           |        |           |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)         | 3           | 0.39                   | 0.38    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)            | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293718098211301

WELL NUMBER: AY-68-30-102

LATITUDE: 293718

LONGITUDE: 0982113

WELL DEPTH: 418.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|---------------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 3                      | 1.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 2                      | 900.00  | 30.00   |      |                       |                                                                              |    |              |    |   |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 3                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 3                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COBALT, DISSOLVED (UG/L AS CO)        | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COPPER, DISSOLVED (UG/L AS CU)        | 4                      | 2.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| IRON, DISSOLVED (UG/L AS FE)          | 3                      | 20.00   | 0.00    |      |                       |                                                                              |    |              |    |   |
| LEAD, DISSOLVED (UG/L AS PB)          | 4                      | 6.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 3                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SILVER, DISSOLVED (UG/L AS AG)        | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 1                      | 200.00  | 200.00  |      |                       |                                                                              |    |              |    |   |
| ZINC, DISSOLVED (UG/L AS ZN)          | 4                      | 30.00   | 0.00    |      |                       |                                                                              |    |              |    |   |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 2                      | 1.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MERCURY, DISSOLVED (UG/L AS HG)       | 3                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293007098202601

WELL NUMBER: AY-68-30-703

LATITUDE: 293007

LONGITUDE: 0982026

WELL DEPTH: 804.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|-------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                           | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                       | 20                     | 25.50   | 22.00   | 24.62   | 0.76                  | 25.50                                                                        | 25.00   | 25.00        | 24.50   | 22.10   |
| SPECIFIC CONDUCTANCE (UMHOS)              | 21                     | 1890.00 | 1730.00 | 1810.95 | 48.05                 | 1887.00                                                                      | 1850.00 | 1820.00      | 1755.00 | 1731.00 |
| PH (UNITS)                                | 21                     | 7.80    | 6.70    | 7.38    | 0.25                  | 7.79                                                                         | 7.60    | 7.30         | 7.20    | 6.74    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 21                     | 71.00   | 5.60    | 18.80   | 13.88                 | 67.10                                                                        | 24.00   | 17.00        | 9.85    | 5.67    |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 21                     | 215.00  | 161.00  | 192.24  | 16.96                 | 214.80                                                                       | 205.00  | 198.00       | 179.50  | 161.10  |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 21                     | 262.00  | 196.00  | 234.57  | 20.69                 | 261.80                                                                       | 250.00  | 242.00       | 219.00  | 196.20  |
| CARBONATE FET-FLD (MG/L AS CO3)           | 21                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 1                      | 0.23    | 0.23    |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                  | 21                     | 620.00  | 450.00  | 509.00  | 40.24                 | 614.50                                                                       | 525.00  | 510.00       | 480.00  | 450.50  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 21                     | 406.00  | 281.00  | 316.62  | 28.79                 | 402.00                                                                       | 325.00  | 314.00       | 298.00  | 281.50  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 2                      | 110.00  | 109.00  |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 2                      | 60.00   | 59.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                   | 1                      | 3.80    | 3.80    |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 21                     | 520.00  | 300.00  | 328.71  | 44.74                 | 502.00                                                                       | 326.50  | 320.00       | 312.00  | 301.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 21                     | 286.00  | 236.00  | 263.90  | 12.83                 | 285.20                                                                       | 273.50  | 268.00       | 257.00  | 236.60  |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 1                      | 13.00   | 13.00   |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 1                      | 1100.00 | 1100.00 |         |                       |                                                                              |         |              |         |         |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 1                      | 1.50    | 1.50    |         |                       |                                                                              |         |              |         |         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293102098185201

WELL NUMBER: AY-68-30-801

LATITUDE: 293102

LONGITUDE: 0981852

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 24                     | 28.50   | 26.50   | 27.23  | 0.61                  | 28.37                                                                        | 28.00  | 27.00        | 27.00  | 26.50  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 23                     | 527.00  | 482.00  | 511.13 | 12.33                 | 526.80                                                                       | 522.00 | 511.00       | 504.00 | 482.20 |
| PH (UNITS)                               | 22                     | 7.90    | 6.80    | 7.36   | 0.28                  | 7.87                                                                         | 7.60   | 7.40         | 7.17   | 6.81   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 22                     | 61.00   | 4.90    | 20.43  | 14.12                 | 59.20                                                                        | 25.50  | 15.50        | 9.82   | 5.14   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 22                     | 207.00  | 167.00  | 196.77 | 8.30                  | 206.25                                                                       | 202.00 | 198.00       | 197.00 | 168.95 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 22                     | 252.00  | 203.00  | 239.86 | 10.15                 | 251.10                                                                       | 246.00 | 242.00       | 240.00 | 205.55 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 22                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.50    | 0.50    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 22                     | 266.00  | 215.00  | 242.82 | 11.54                 | 266.00                                                                       | 246.50 | 242.00       | 239.75 | 215.75 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 22                     | 66.00   | 34.00   | 46.50  | 7.97                  | 65.70                                                                        | 49.25  | 44.50        | 41.75  | 34.60  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 3                      | 69.00   | 68.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 3                      | 19.00   | 17.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.40    | 0.40    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 23                     | 28.00   | 20.00   | 23.04  | 1.89                  | 27.60                                                                        | 24.00  | 23.00        | 22.00  | 20.20  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 21                     | 42.00   | 33.00   | 36.81  | 2.29                  | 41.80                                                                        | 38.00  | 37.00        | 35.50  | 33.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 0.30    | 0.30    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 14.00   | 14.00   |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 304.00  | 304.00  |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293148098175801

WELL NUMBER: AY-68-30-805

LATITUDE: 293148

LONGITUDE: 0981758

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 21                     | 26.50   | 22.50   | 25.55  | 0.93                  | 26.50                                                                        | 26.00  | 25.50        | 25.25  | 22.65  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 21                     | 586.00  | 526.00  | 565.71 | 14.09                 | 585.80                                                                       | 577.00 | 568.00       | 558.00 | 528.30 |
| PH (UNITS)                               | 20                     | 7.90    | 7.00    | 7.46   | 0.26                  | 7.90                                                                         | 7.67   | 7.40         | 7.30   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 20                     | 38.00   | 4.60    | 15.54  | 8.86                  | 37.65                                                                        | 19.75  | 15.00        | 8.30   | 4.62   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 20                     | 203.00  | 187.00  | 198.45 | 4.16                  | 203.00                                                                       | 200.00 | 200.00       | 198.00 | 187.05 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 20                     | 248.00  | 228.00  | 242.15 | 5.15                  | 248.00                                                                       | 244.00 | 244.00       | 242.00 | 228.05 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 20                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.34    | 0.34    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 20                     | 260.00  | 240.00  | 249.45 | 6.37                  | 260.00                                                                       | 254.00 | 249.00       | 244.00 | 240.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 20                     | 58.00   | 38.00   | 50.85  | 5.43                  | 57.90                                                                        | 56.00  | 52.00        | 46.50  | 38.15  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 3                      | 70.00   | 68.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 3                      | 20.00   | 19.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 19.00   | 19.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.50    | 0.50    |        |                       |                                                                              |        |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 1.80    | 1.80    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 21                     | 46.00   | 34.00   | 39.52  | 3.17                  | 45.80                                                                        | 42.00  | 40.00        | 37.50  | 34.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 20                     | 47.00   | 37.00   | 40.55  | 2.48                  | 46.90                                                                        | 42.00  | 40.00        | 38.50  | 37.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 0.30    | 0.30    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 12.00   | 12.00   |        |                       |                                                                              |        |              |        |        |
| IRON, DISSOLVED (UG/L AS FE)             | 1                      | 40.00   | 40.00   |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 322.00  | 322.00  |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293016098195801

WELL NUMBER: AY-68-30-806

LATITUDE: 293016

LONGITUDE: 0981958

WELL DEPTH: 750.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 10                     | 25.00   | 22.50   | 24.05   | 0.83                  | 25.00                                                                        | 24.62   | 24.25        | 23.37   | 22.50   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 24                     | 3840.00 | 3340.00 | 3543.75 | 99.86                 | 3802.50                                                                      | 3580.00 | 3535.00      | 3502.50 | 3347.50 |
| PH (UNITS)                               | 24                     | 8.00    | 6.60    | 7.32    | 0.34                  | 7.95                                                                         | 7.57    | 7.40         | 7.12    | 6.62    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 23                     | 113.00  | 4.50    | 29.36   | 26.39                 | 108.20                                                                       | 29.00   | 18.00        | 15.00   | 4.86    |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 23                     | 241.00  | 172.00  | 225.22  | 16.30                 | 240.60                                                                       | 235.00  | 231.00       | 215.00  | 177.60  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 23                     | 294.00  | 210.00  | 274.52  | 19.78                 | 293.60                                                                       | 286.00  | 282.00       | 262.00  | 216.80  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 22                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.00    | 0.00    |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 24                     | 775.00  | 595.00  | 714.21  | 40.36                 | 771.25                                                                       | 738.75  | 720.00       | 701.25  | 606.25  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 23                     | 534.00  | 406.00  | 489.52  | 35.09                 | 533.20                                                                       | 520.00  | 500.00       | 466.00  | 409.40  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 2                      | 146.00  | 144.00  |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 2                      | 85.00   | 76.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                  | 1                      | 8.40    | 8.40    |         |                       |                                                                              |         |              |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 0.00    | 0.00    |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 24                     | 900.00  | 770.00  | 808.12  | 26.65                 | 885.00                                                                       | 820.00  | 810.00       | 788.75  | 772.50  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 20                     | 470.00  | 378.00  | 434.40  | 23.46                 | 469.70                                                                       | 456.00  | 436.00       | 420.00  | 379.00  |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 13.00   | 13.00   |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 2060.00 | 2060.00 |         |                       |                                                                              |         |              |         |         |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 1                      | 2.80    | 2.80    |         |                       |                                                                              |         |              |         |         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292844098424101

WELL NUMBER: AY-68-35-102

LATITUDE: 292844

LONGITUDE: 0984241

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 7           | 23.00                  | 22.50   | 22.57  | 0.19               | 23.00                                                                     | 22.50  | 22.50     | 22.50  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 5           | 555.00                 | 545.00  | 549.20 | 3.77               | 555.00                                                                    | 552.50 | 549.00    | 546.00 | 545.00 |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)  | 2           | 2.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 5           | 7.20                   | 6.80    | 7.02   | 0.16               | 7.20                                                                      | 7.15   | 7.10      | 6.85   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 3           | 68.00                  | 34.00   |        |                    |                                                                           |        |           |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 6           | 230.00                 | 205.00  | 219.67 | 8.09               | 230.00                                                                    | 223.25 | 221.00    | 216.25 | 205.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 4           | 270.00                 | 250.00  |        |                    |                                                                           |        |           |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)             | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                       | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 5           | 2.70                   | 1.60    | 2.00   | 0.44               | 2.70                                                                      | 2.40   | 1.90      | 1.65   | 1.60   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 6           | 1.10                   | 0.04    | 0.40   | 0.39               | 1.10                                                                      | 0.68   | 0.32      | 0.08   | 0.04   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 6           | 0.17                   | 0.00    | 0.05   | 0.07               | 0.17                                                                      | 0.09   | 0.02      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.02      | 0.01   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 6           | 1.60                   | 1.30    | 1.50   | 0.11               | 1.60                                                                      | 1.60   | 1.50      | 1.45   | 1.30   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 4           | 1.60                   | 1.30    |        |                    |                                                                           |        |           |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 6           | 0.05                   | 0.00    | 0.02   | 0.02               | 0.05                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 1           | 0.40                   | 0.40    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 6           | 11.00                  | 0.40    | 2.62   | 4.13               | 11.00                                                                     | 3.87   | 1.10      | 0.55   | 0.40   |
| HARDNESS (MG/L AS CaCO3)                    | 5           | 290.00                 | 260.00  | 272.00 | 13.04              | 290.00                                                                    | 285.00 | 270.00    | 260.00 | 260.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 5           | 66.00                  | 36.00   | 47.40  | 11.30              | 66.00                                                                     | 57.00  | 45.00     | 39.00  | 36.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 5           | 85.00                  | 75.00   | 78.60  | 4.04               | 85.00                                                                     | 82.50  | 77.00     | 75.50  | 75.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 5           | 19.00                  | 17.00   | 18.00  | 0.71               | 19.00                                                                     | 18.50  | 18.00     | 17.50  | 17.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 5           | 8.40                   | 7.40    | 7.92   | 0.38               | 8.40                                                                      | 8.25   | 8.00      | 7.55   | 7.40   |
| SODIUM ADSORPTION RATIO                     | 5           | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 5           | 1.30                   | 1.20    | 1.28   | 0.04               | 1.30                                                                      | 1.30   | 1.30      | 1.25   | 1.20   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 5           | 21.00                  | 13.00   | 15.20  | 3.35               | 21.00                                                                     | 18.00  | 14.00     | 13.00  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 5           | 45.00                  | 42.00   | 42.80  | 1.30               | 45.00                                                                     | 44.00  | 42.00     | 42.00  | 42.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 5           | 0.50                   | 0.20    | 0.30   | 0.12               | 0.50                                                                      | 0.40   | 0.30      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 5           | 13.00                  | 12.00   | 12.20  | 0.45               | 13.00                                                                     | 12.50  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100ML)       | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 5           | 320.00                 | 303.00  | 310.40 | 7.96               | 320.00                                                                    | 319.00 | 306.00    | 304.00 | 303.00 |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 2           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292844098424101

WELL NUMBER: AY-68-35-102

LATITUDE: 292844

LONGITUDE: 0984241

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |       |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|-------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5     |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 5                      | 1.00    | 0.00    | 0.80  | 0.45                  | 1.00                                                                         | 1.00  | 1.00         | 0.50  | 0.00  |
| BARIUM, DISSOLVED (UG/L AS BA)        | 5                      | 32.00   | 30.00   | 30.40 | 0.89                  | 32.00                                                                        | 31.00 | 30.00        | 30.00 | 30.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 5                      | 1.00    | 0.00    | 0.60  | 0.55                  | 1.00                                                                         | 1.00  | 1.00         | 0.00  | 0.00  |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 5                      | 10.00   | 0.00    | 6.00  | 5.48                  | 10.00                                                                        | 10.00 | 10.00        | 0.00  | 0.00  |
| COPPER, DISSOLVED (UG/L AS CU)        | 5                      | 10.00   | 2.00    | 5.40  | 3.13                  | 10.00                                                                        | 8.00  | 6.00         | 2.50  | 2.00  |
| IRON, DISSOLVED (UG/L AS FE)          | 5                      | 130.00  | 0.00    | 28.80 | 56.72                 | 130.00                                                                       | 70.00 | 4.00         | 0.00  | 0.00  |
| LEAD, DISSOLVED (UG/L AS PB)          | 5                      | 16.00   | 0.00    | 5.00  | 6.40                  | 16.00                                                                        | 10.00 | 4.00         | 0.50  | 0.00  |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 5                      | 1.00    | 0.00    | 0.80  | 0.45                  | 1.00                                                                         | 1.00  | 1.00         | 0.50  | 0.00  |
| SILVER, DISSOLVED (UG/L AS AG)        | 5                      | 1.00    | 0.00    | 0.20  | 0.45                  | 1.00                                                                         | 0.50  | 0.00         | 0.00  | 0.00  |
| ZINC, DISSOLVED (UG/L AS ZN)          | 3                      | 70.00   | 5.00    |       |                       |                                                                              |       |              |       |       |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 5                      | 1.00    | 0.00    | 0.20  | 0.45                  | 1.00                                                                         | 0.50  | 0.00         | 0.00  | 0.00  |
| PERTHANE, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| ALDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| LINDANE, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| CHLORDANE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| DDD, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| DDE, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| DDT, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| DIELDRIN, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| ENDOSULFAN, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| ENDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| ETHION, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| TOXAPHENE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| HEPTACHLOR, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| PCB, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.11    | 0.00    |       |                       |                                                                              |       |              |       |       |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| MIREX, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| TRITHION, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| METHYL TRITHION, TOTAL (UG/L)         | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| MERCURY, DISSOLVED (UG/L AS HG)       | 5                      | 0.20    | 0.00    | 0.06  | 0.09                  | 0.20                                                                         | 0.15  | 0.00         | 0.00  | 0.00  |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292922098360201

WELL NUMBER: AY-68-36-102

LATITUDE: 292922

LONGITUDE: 0983602

WELL DEPTH: 786.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 6           | 22.50                  | 22.00   | 22.08  | 0.20               | 22.50                                                                     | 22.13  | 22.00     | 22.00  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 7           | 568.00                 | 525.00  | 550.43 | 14.80              | 568.00                                                                    | 564.00 | 550.00    | 542.00 | 525.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1           | 0.60                   | 0.60    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL(HIGH LEVEL)(MG/L) | 2           | 12.00                  | 2.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 7           | 7.40                   | 6.90    | 7.13   | 0.18               | 7.40                                                                      | 7.30   | 7.10      | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 5           | 46.00                  | 18.00   | 30.60  | 11.15              | 46.00                                                                     | 41.50  | 29.00     | 20.50  | 18.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 8           | 240.00                 | 231.00  | 237.13 | 2.90               | 240.00                                                                    | 239.50 | 238.00    | 236.00 | 231.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 6           | 290.00                 | 282.00  | 288.00 | 3.10               | 290.00                                                                    | 290.00 | 289.00    | 286.50 | 282.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 5           | 3.30                   | 1.90    | 2.74   | 0.54               | 3.30                                                                      | 3.20   | 2.70      | 2.30   | 1.90   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 4           | 0.82                   | 0.14    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 8           | 0.18                   | 0.00    | 0.03   | 0.07               | 0.18                                                                      | 0.06   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 5           | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.03   | 0.02      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 4           | 2.50                   | 1.80    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 7           | 2.40                   | 1.80    | 2.21   | 0.23               | 2.40                                                                      | 2.40   | 2.30      | 2.10   | 1.80   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 7           | 0.05                   | 0.00    | 0.02   | 0.02               | 0.05                                                                      | 0.04   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 4           | 9.30                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 8           | 280.00                 | 260.00  | 275.00 | 7.56               | 280.00                                                                    | 280.00 | 280.00    | 270.00 | 260.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 8           | 49.00                  | 21.00   | 37.88  | 8.25               | 49.00                                                                     | 42.00  | 40.00     | 34.25  | 21.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 8           | 86.00                  | 79.00   | 84.00  | 2.27               | 86.00                                                                     | 85.75  | 84.50     | 83.25  | 79.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 8           | 17.00                  | 15.00   | 15.87  | 0.64               | 17.00                                                                     | 16.00  | 16.00     | 15.25  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 6           | 10.00                  | 8.50    | 9.35   | 0.49               | 10.00                                                                     | 9.70   | 9.35      | 9.10   | 8.50   |
| SODIUM ADSORPTION RATIO                   | 6           | 0.30                   | 0.20    | 0.25   | 0.05               | 0.30                                                                      | 0.30   | 0.25      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 6           | 1.50                   | 1.30    | 1.42   | 0.08               | 1.50                                                                      | 1.50   | 1.40      | 1.38   | 1.30   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 8           | 19.00                  | 14.00   | 15.50  | 1.93               | 19.00                                                                     | 17.25  | 15.00     | 14.00  | 14.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 8           | 32.00                  | 26.00   | 28.37  | 2.07               | 32.00                                                                     | 30.25  | 28.00     | 27.00  | 26.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 7           | 0.50                   | 0.20    | 0.24   | 0.11               | 0.50                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 7           | 13.00                  | 12.00   | 12.43  | 0.53               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 5           | 1.00                   | 0.00    | 0.20   | 0.45               | 1.00                                                                      | 0.50   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.45 UM-MF(COLS./100 ML)  | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL,0.7 UM-MF(COLS./100 ML)   | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 3           | 2.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 7           | 318.00                 | 305.00  | 310.71 | 4.27               | 318.00                                                                    | 313.00 | 311.00    | 307.00 | 305.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 3           | 0.42                   | 0.41    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292922098360201

WELL NUMBER: AY-68-36-102

LATITUDE: 292922

LONGITUDE: 0983602

WELL DEPTH: 786.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 7                      | 1.00    | 0.00    | 0.71  | 0.49                  | 1.00                                                                         | 1.00  | 1.00         | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 5                      | 40.00   | 0.00    | 29.00 | 16.73                 | 40.00                                                                        | 40.00 | 35.00        | 15.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 5                      | 10.00   | 0.00    | 2.00  | 4.47                  | 10.00                                                                        | 5.00  | 0.00         | 0.00  | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 5.00    | 0.00    | 1.57  | 1.90                  | 5.00                                                                         | 3.00  | 1.00         | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 5                      | 3.00    | 0.00    | 0.60  | 1.34                  | 3.00                                                                         | 1.50  | 0.00         | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 7                      | 11.00   | 0.00    | 2.43  | 4.39                  | 11.00                                                                        | 6.00  | 0.00         | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)    | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 20.00   | 0.00    | 4.29  | 7.41                  | 20.00                                                                        | 7.00  | 0.00         | 0.00  | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 5                      | 1.00    | 0.00    | 0.60  | 0.55                  | 1.00                                                                         | 1.00  | 1.00         | 0.00  | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 7                      | 0.20    | 0.00    | 0.03  | 0.08                  | 0.20                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292946098292601

WELL NUMBER: AY-68-37-101

LATITUDE: 292946

LONGITUDE: 0982926

WELL DEPTH: 1005.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 7           | 23.00                  | 22.60   | 22.94  | 0.15               | 23.00                                                                     | 23.00  | 23.00     | 23.00  | 22.60  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 9           | 550.00                 | 489.00  | 525.67 | 20.02              | 550.00                                                                    | 540.00 | 532.00    | 508.00 | 489.00 |
| OXYGEN DEMAND,CHEMICAL(HIGH LEVEL)(MG/L)  | 1           | 5.00                   | 5.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 7           | 7.70                   | 6.90    | 7.11   | 0.29               | 7.70                                                                      | 7.30   | 7.00      | 6.90   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 5           | 55.00                  | 8.20    | 34.24  | 18.79              | 55.00                                                                     | 49.00  | 43.00     | 15.10  | 8.20   |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 8           | 230.00                 | 212.00  | 223.00 | 6.02               | 230.00                                                                    | 229.00 | 223.00    | 220.00 | 212.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 6           | 280.00                 | 258.00  | 271.33 | 7.55               | 280.00                                                                    | 277.00 | 272.00    | 267.00 | 258.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 6           | 2.90                   | 1.40    | 2.12   | 0.50               | 2.90                                                                      | 2.45   | 2.10      | 1.78   | 1.40   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 5           | 0.81                   | 0.00    | 0.34   | 0.32               | 0.81                                                                      | 0.65   | 0.25      | 0.07   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 8           | 0.15                   | 0.00    | 0.03   | 0.05               | 0.15                                                                      | 0.05   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 5           | 1.90                   | 1.40    | 1.70   | 0.19               | 1.90                                                                      | 1.85   | 1.70      | 1.55   | 1.40   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 7           | 1.90                   | 1.40    | 1.69   | 0.16               | 1.90                                                                      | 1.80   | 1.70      | 1.60   | 1.40   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 7           | 0.03                   | 0.01    | 0.02   | 0.01               | 0.03                                                                      | 0.03   | 0.01      | 0.01   | 0.01   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 6           | 4.50                   | 0.30    | 2.33   | 1.84               | 4.50                                                                      | 4.43   | 2.20      | 0.38   | 0.30   |
| HARDNESS (MG/L AS CaCO3)                  | 7           | 270.00                 | 250.00  | 261.43 | 6.90               | 270.00                                                                    | 270.00 | 260.00    | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 7           | 47.00                  | 22.00   | 39.00  | 8.76               | 47.00                                                                     | 45.00  | 42.00     | 33.00  | 22.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 7           | 78.00                  | 73.00   | 76.71  | 1.80               | 78.00                                                                     | 78.00  | 77.00     | 76.00  | 73.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 7           | 18.00                  | 16.00   | 17.14  | 0.69               | 18.00                                                                     | 18.00  | 17.00     | 17.00  | 16.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 8           | 80.00                  | 7.20    | 17.56  | 25.24              | 80.00                                                                     | 9.23   | 8.90      | 8.50   | 7.20   |
| SODIUM ADSORPTION RATIO                   | 7           | 2.10                   | 0.20    | 0.50   | 0.71               | 2.10                                                                      | 0.30   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 8           | 1.40                   | 1.20    | 1.35   | 0.08               | 1.40                                                                      | 1.40   | 1.40      | 1.30   | 1.20   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 8           | 17.00                  | 13.00   | 14.50  | 1.41               | 17.00                                                                     | 15.75  | 14.00     | 13.25  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 8           | 34.00                  | 31.00   | 32.25  | 1.16               | 34.00                                                                     | 33.00  | 32.50     | 31.00  | 31.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 7           | 0.50                   | 0.20    | 0.26   | 0.11               | 0.50                                                                      | 0.30   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 7           | 13.00                  | 12.00   | 12.43  | 0.53               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.45 UM-MF(COLS./100 ML)  | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL,0.7 UM-MF(COLS./100 ML)   | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 4           | 4.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 7           | 372.00                 | 293.00  | 307.86 | 28.47              | 372.00                                                                    | 302.00 | 297.00    | 295.00 | 293.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 4           | 0.41                   | 0.40    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292946098292601 WELL NUMBER: AY-68-37-101  
 LATITUDE: 292946 LONGITUDE: 0982926 WELL DEPTH: 1005.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 8                      | 1.00    | 0.00    | 0.37  | 0.52                  | 1.00                                                                         | 1.00  | 0.00         | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 40.00   | 0.00    | 32.33 | 16.02                 | 40.00                                                                        | 40.00 | 40.00        | 25.50 | 0.00 |
| BORON, DISSOLVED (UG/L AS B)      | 1                      | 80.00   | 80.00   |       |                       |                                                                              |       |              |       |      |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 6                      | 2.00    | 0.00    | 0.33  | 0.82                  | 2.00                                                                         | 0.50  | 0.00         | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 6                      | 10.00   | 0.00    | 5.00  | 5.48                  | 10.00                                                                        | 10.00 | 5.00         | 0.00  | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)    | 8                      | 2.00    | 0.00    | 1.12  | 0.99                  | 2.00                                                                         | 2.00  | 1.50         | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 10.00   | 0.00    | 1.86  | 3.76                  | 10.00                                                                        | 3.00  | 0.00         | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 8                      | 2.00    | 0.00    | 0.50  | 0.76                  | 2.00                                                                         | 1.00  | 0.00         | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)      | 8                      | 7.00    | 0.00    | 2.13  | 3.00                  | 7.00                                                                         | 5.00  | 0.00         | 0.00  | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 1.00    | 0.00    | 0.33  | 0.52                  | 1.00                                                                         | 1.00  | 0.00         | 0.00  | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 8                      | 0.20    | 0.00    | 0.05  | 0.09                  | 0.20                                                                         | 0.15  | 0.00         | 0.00  | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292521098291701

WELL NUMBER: AY-68-37-404

LATITUDE: 292521

LONGITUDE: 0982917

WELL DEPTH: 1326.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 8                      | 25.00   | 22.50   | 24.50  | 0.85               | 25.00                                                                     | 25.00  | 24.75     | 24.50  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 8                      | 484.00  | 450.00  | 468.62 | 13.73              | 484.00                                                                    | 481.75 | 472.50    | 454.25 | 450.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1                      | 0.60    | 0.60    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL(LOW LEVEL)(MG/L)  | 1                      | 57.00   | 57.00   |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL(HIGH LEVEL)(MG/L) | 1                      | 2.00    | 2.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 8                      | 7.50    | 6.90    | 7.16   | 0.23               | 7.50                                                                      | 7.42   | 7.10      | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 6                      | 50.00   | 13.00   | 27.50  | 13.95              | 50.00                                                                     | 36.50  | 28.50     | 13.00  | 13.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 8                      | 205.00  | 200.00  | 203.25 | 2.19               | 205.00                                                                    | 205.00 | 204.00    | 200.75 | 200.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 6                      | 250.00  | 248.00  | 249.33 | 1.03               | 250.00                                                                    | 250.00 | 250.00    | 248.00 | 248.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                     | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 7                      | 2.90    | 1.60    | 2.20   | 0.45               | 2.90                                                                      | 2.50   | 2.00      | 1.90   | 1.60   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 6                      | 0.74    | 0.08    | 0.29   | 0.26               | 0.74                                                                      | 0.55   | 0.17      | 0.12   | 0.08   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 9                      | 0.16    | 0.00    | 0.04   | 0.06               | 0.16                                                                      | 0.08   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 7                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 6                      | 2.00    | 1.50    | 1.80   | 0.19               | 2.00                                                                      | 2.00   | 1.80      | 1.65   | 1.50   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 9                      | 2.00    | 1.50    | 1.76   | 0.19               | 2.00                                                                      | 1.95   | 1.80      | 1.55   | 1.50   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 8                      | 0.07    | 0.00    | 0.02   | 0.02               | 0.07                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 7                      | 4.10    | 0.00    | 0.73   | 1.49               | 4.10                                                                      | 0.40   | 0.20      | 0.10   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 8                      | 240.00  | 210.00  | 226.25 | 9.16               | 240.00                                                                    | 230.00 | 230.00    | 220.00 | 210.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 8                      | 32.00   | 5.00    | 23.00  | 9.74               | 32.00                                                                     | 31.75  | 25.50     | 15.25  | 5.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 8                      | 68.00   | 61.00   | 65.50  | 2.45               | 68.00                                                                     | 67.75  | 66.00     | 63.50  | 61.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 8                      | 16.00   | 14.00   | 15.25  | 0.71               | 16.00                                                                     | 16.00  | 15.00     | 15.00  | 14.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 7                      | 9.10    | 7.70    | 8.39   | 0.55               | 9.10                                                                      | 8.90   | 8.50      | 7.70   | 7.70   |
| SODIUM ADSORPTION RATIO                   | 7                      | 0.30    | 0.20    | 0.24   | 0.05               | 0.30                                                                      | 0.30   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 7                      | 1.20    | 1.00    | 1.11   | 0.07               | 1.20                                                                      | 1.20   | 1.10      | 1.10   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 8                      | 19.00   | 13.00   | 15.50  | 2.14               | 19.00                                                                     | 17.00  | 15.50     | 13.25  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 8                      | 16.00   | 15.00   | 15.62  | 0.52               | 16.00                                                                     | 16.00  | 16.00     | 15.00  | 15.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 8                      | 0.50    | 0.10    | 0.22   | 0.12               | 0.50                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 8                      | 13.00   | 12.00   | 12.25  | 0.46               | 13.00                                                                     | 12.75  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML) | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 5                      | 4.00    | 0.00    | 0.80   | 1.79               | 4.00                                                                      | 2.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 4                      | 0.20    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 8                      | 260.00  | 251.00  | 256.50 | 2.93               | 260.00                                                                    | 258.00 | 258.00    | 254.25 | 251.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 3                      | 0.35    | 0.34    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 2                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292521098291701 WELL NUMBER: AY-68-37-404

LATITUDE: 292521 LONGITUDE: 0982917 WELL DEPTH: 1326.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|---------------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 6                      | 1.00    | 0.00    | 0.67 | 0.52                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 4                      | 60.00   | 50.00   |      |                       |                                                                              |       |              |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 4                      | 1.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 4                      | 10.00   | 0.00    |      |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 6                      | 6.00    | 0.00    | 1.67 | 2.34                  | 6.00                                                                         | 3.00  | 1.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 4                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| LEAD, DISSOLVED (UG/L AS PB)          | 6                      | 4.00    | 0.00    | 1.17 | 1.83                  | 4.00                                                                         | 3.25  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 4                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 4                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 6                      | 20.00   | 0.00    | 6.17 | 7.70                  | 20.00                                                                        | 12.50 | 3.50         | 0.00 | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 4                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |      |                       |                                                                              |       |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 6                      | 0.30    | 0.00    | 0.05 | 0.12                  | 0.30                                                                         | 0.08  | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292559098262601

WELL NUMBER: AY-68-37-506

LATITUDE: 292559

LONGITUDE: 0982626

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 6           | 27.50                  | 26.50   | 27.00  | 0.22               | 27.50                                                                     | 27.25  | 27.00     | 27.00  | 26.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 6           | 480.00                 | 465.00  | 474.00 | 6.13               | 480.00                                                                    | 479.25 | 476.00    | 467.25 | 465.00 |
| OXYGEN DEMAND, CHEMICAL(HIGH LEVEL)(MG/L) | 1           | 4.00                   | 4.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 5           | 7.20                   | 6.90    | 7.10   | 0.12               | 7.20                                                                      | 7.20   | 7.10      | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 3           | 48.00                  | 24.00   |        |                    |                                                                           |        |           |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 6           | 203.00                 | 197.00  | 199.00 | 2.45               | 203.00                                                                    | 200.75 | 198.50    | 197.00 | 197.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 4           | 247.00                 | 240.00  |        |                    |                                                                           |        |           |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)           | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 5           | 2.10                   | 0.59    | 1.60   | 0.62               | 2.10                                                                      | 2.10   | 1.70      | 1.05   | 0.59   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 4           | 0.43                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 5           | 0.16                   | 0.00    | 0.05   | 0.07               | 0.16                                                                      | 0.11   | 0.02      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 5           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 5           | 1.60                   | 0.24    | 1.25   | 0.57               | 1.60                                                                      | 1.55   | 1.50      | 0.82   | 0.24   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 5           | 1.60                   | 0.26    | 1.29   | 0.58               | 1.60                                                                      | 1.60   | 1.50      | 0.88   | 0.26   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 4           | 4.40                   | 0.10    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 6           | 240.00                 | 210.00  | 225.00 | 10.49              | 240.00                                                                    | 232.50 | 225.00    | 217.50 | 210.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 6           | 36.00                  | 15.00   | 25.83  | 7.99               | 36.00                                                                     | 33.00  | 26.50     | 18.00  | 15.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 6           | 68.00                  | 60.00   | 63.50  | 2.81               | 68.00                                                                     | 65.75  | 63.00     | 61.50  | 60.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 6           | 17.00                  | 15.00   | 16.00  | 0.63               | 17.00                                                                     | 16.25  | 16.00     | 15.75  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 6           | 9.90                   | 8.50    | 9.22   | 0.48               | 9.90                                                                      | 9.68   | 9.10      | 8.95   | 8.50   |
| SODIUM ADSORPTION RATIO                   | 6           | 0.30                   | 0.30    | 0.30   | 0.00               | 0.30                                                                      | 0.30   | 0.30      | 0.30   | 0.30   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 6           | 1.30                   | 1.10    | 1.20   | 0.06               | 1.30                                                                      | 1.22   | 1.20      | 1.17   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 6           | 19.00                  | 14.00   | 16.83  | 1.72               | 19.00                                                                     | 18.25  | 17.00     | 15.50  | 14.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 6           | 23.00                  | 20.00   | 21.67  | 1.37               | 23.00                                                                     | 23.00  | 22.00     | 20.00  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 6           | 0.50                   | 0.20    | 0.30   | 0.11               | 0.50                                                                      | 0.35   | 0.30      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 6           | 13.00                  | 12.00   | 12.50  | 0.55               | 13.00                                                                     | 13.00  | 12.50     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 6           | 266.00                 | 255.00  | 261.33 | 4.18               | 266.00                                                                    | 265.25 | 262.00    | 257.25 | 255.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 3           | 0.36                   | 0.35    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 2           | 1.60                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292559098262601

WELL NUMBER: AY-68-37-506

LATITUDE: 292559

LONGITUDE: 0982626

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |      |      |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|--------|--------------|------|------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 5                      | 1.00    | 0.00    | 0.80  | 0.45                  | 1.00                                                                         | 1.00   | 1.00         | 1.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 5                      | 110.00  | 0.00    | 62.00 | 56.75                 | 110.00                                                                       | 105.00 | 100.00       | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 5                      | 20.00   | 0.00    | 8.00  | 8.37                  | 20.00                                                                        | 15.00  | 10.00        | 0.00 | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)        | 5                      | 2.00    | 0.00    | 0.60  | 0.89                  | 2.00                                                                         | 1.50   | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 6                      | 10.00   | 0.00    | 2.33  | 4.08                  | 10.00                                                                        | 5.50   | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 5                      | 14.00   | 0.00    | 3.20  | 6.10                  | 14.00                                                                        | 8.00   | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)        | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 1                      | 1000.00 | 1000.00 |       |                       |                                                                              |        |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 5                      | 10.00   | 0.00    | 3.60  | 4.16                  | 10.00                                                                        | 7.50   | 3.00         | 0.00 | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 5                      | 1.00    | 0.00    | 0.20  | 0.45                  | 1.00                                                                         | 0.50   | 0.00         | 0.00 | 0.00 |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |       |                       |                                                                              |        |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 5                      | 0.10    | 0.00    | 0.02  | 0.04                  | 0.10                                                                         | 0.05   | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292643098241901

WELL NUMBER: AY-68-37-601

LATITUDE: 292643

LONGITUDE: 0982419

WELL DEPTH: 1185.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                          | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 8                      | 27.00   | 23.50   | 26.44  | 1.21               | 27.00                                                                     | 27.00  | 27.00     | 26.50  | 23.50  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 8                      | 487.00  | 453.00  | 468.50 | 10.58              | 487.00                                                                    | 477.00 | 467.00    | 462.50 | 453.00 |
| PH (UNITS)                               | 8                      | 8.20    | 7.20    | 7.81   | 0.37               | 8.20                                                                      | 8.17   | 7.90      | 7.50   | 7.20   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 8                      | 24.00   | 2.40    | 8.11   | 7.56               | 24.00                                                                     | 12.00  | 4.65      | 2.55   | 2.40   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 8                      | 200.00  | 175.00  | 192.25 | 8.45               | 200.00                                                                    | 198.00 | 195.00    | 186.75 | 175.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 8                      | 244.00  | 213.00  | 234.37 | 10.38              | 244.00                                                                    | 241.75 | 237.50    | 228.00 | 213.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.79    | 0.79    |        |                    |                                                                           |        |           |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 8                      | 230.00  | 204.00  | 220.25 | 9.02               | 230.00                                                                    | 228.50 | 222.50    | 212.75 | 204.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 8                      | 36.00   | 12.00   | 28.25  | 7.76               | 36.00                                                                     | 32.75  | 31.50     | 23.50  | 12.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 1                      | 64.00   | 64.00   |        |                    |                                                                           |        |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 1                      | 17.00   | 17.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 10.00   | 10.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.30    | 0.30    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 1.20    | 1.20    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 8                      | 23.00   | 15.00   | 18.12  | 2.53               | 23.00                                                                     | 19.75  | 17.50     | 16.25  | 15.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 3                      | 29.00   | 27.00   |        |                    |                                                                           |        |           |        |        |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 0.30    | 0.30    |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 14.00   | 14.00   |        |                    |                                                                           |        |           |        |        |
| BORON, DISSOLVED (UG/L AS B)             | 1                      | 160.00  | 160.00  |        |                    |                                                                           |        |           |        |        |
| IRON, DISSOLVED (UG/L AS FE)             | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| MANGANESE, DISSOLVED (UG/L AS MN)        | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 271.00  | 271.00  |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292325098295501

WELL NUMBER: AY-68-37-701

LATITUDE: 292325

LONGITUDE: 0982955

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                          | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 25                     | 29.50   | 26.50   | 27.64  | 0.82               | 29.35                                                                     | 28.00  | 28.00     | 27.00  | 26.50  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 24                     | 490.00  | 431.00  | 470.79 | 12.48              | 489.75                                                                    | 478.50 | 473.50    | 463.00 | 437.25 |
| PH (UNITS)                               | 24                     | 7.90    | 6.90    | 7.47   | 0.25               | 7.87                                                                      | 7.70   | 7.50      | 7.30   | 6.97   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 24                     | 50.00   | 4.80    | 15.42  | 9.90               | 43.75                                                                     | 20.00  | 12.50     | 7.90   | 5.10   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 24                     | 203.00  | 194.00  | 199.71 | 3.10               | 203.00                                                                    | 202.00 | 200.00    | 197.25 | 194.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 24                     | 248.00  | 236.00  | 243.50 | 3.92               | 248.00                                                                    | 246.00 | 244.00    | 240.50 | 236.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 24                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 2                      | 0.80    | 0.79    |        |                    |                                                                           |        |           |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 2                      | 0.03    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 24                     | 252.00  | 222.00  | 235.87 | 8.44               | 251.50                                                                    | 240.00 | 235.50    | 230.00 | 222.50 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 24                     | 56.00   | 22.00   | 35.75  | 7.77               | 54.50                                                                     | 39.50  | 34.00     | 31.25  | 23.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 3                      | 66.00   | 62.00   |        |                    |                                                                           |        |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 3                      | 17.00   | 17.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)           | 2                      | 10.00   | 8.90    |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                  | 2                      | 0.30    | 0.30    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 2                      | 1.30    | 1.20    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 24                     | 18.00   | 14.00   | 15.67  | 1.17               | 17.75                                                                     | 16.75  | 16.00     | 15.00  | 14.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 24                     | 30.00   | 25.00   | 27.21  | 1.69               | 30.00                                                                     | 28.75  | 27.00     | 26.00  | 25.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 2                      | 0.40    | 0.30    |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 2                      | 14.00   | 12.00   |        |                    |                                                                           |        |           |        |        |
| BORON, DISSOLVED (UG/L AS B)             | 1                      | 60.00   | 60.00   |        |                    |                                                                           |        |           |        |        |
| IRON, DISSOLVED (UG/L AS FE)             | 2                      | 10.00   | 0.00    |        |                    |                                                                           |        |           |        |        |
| MANGANESE, DISSOLVED (UG/L AS MN)        | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| STRONTIUM, DISSOLVED (UG/L AS SR)        | 1                      | 1700.00 | 1700.00 |        |                    |                                                                           |        |           |        |        |
| ALUMINUM, DISSOLVED (UG/L AS AL)         | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 2                      | 274.00  | 263.00  |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292420098284201

WELL NUMBER: AY-68-37-703

LATITUDE: 292420

LONGITUDE: 0982842

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |          |          |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|------------------------------------------|------------------------|----------|----------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM  | MINIMUM  | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 18                     | 29.00    | 27.50    | 28.22  | 0.35                  | 29.00                                                                        | 28.50  | 28.00        | 28.00  | 27.50  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 18                     | 632.00   | 531.00   | 556.78 | 25.31                 | 632.00                                                                       | 560.00 | 548.50       | 543.25 | 531.00 |
| PH (UNITS)                               | 18                     | 8.00     | 7.00     | 7.41   | 0.30                  | 8.00                                                                         | 7.62   | 7.40         | 7.17   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 18                     | 39.00    | 4.10     | 18.62  | 10.58                 | 39.00                                                                        | 26.50  | 16.00        | 9.47   | 4.10   |
| ALKALINITY FIELD (MG/L AS CAC03)         | 18                     | 210.00   | 198.00   | 203.00 | 2.87                  | 210.00                                                                       | 205.00 | 202.00       | 202.00 | 198.00 |
| BICARBONATE FET-FLD (MG/L AS HC03)       | 18                     | 256.00   | 242.00   | 247.44 | 3.42                  | 256.00                                                                       | 250.00 | 246.00       | 246.00 | 242.00 |
| CARBONATE FET-FLD (MG/L AS C03)          | 18                     | 0.00     | 0.00     | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 1.90     | 1.90     |        |                       |                                                                              |        |              |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 1                      | 0.00     | 0.00     |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CAC03)                 | 18                     | 298.00   | 254.00   | 267.22 | 11.64                 | 298.00                                                                       | 272.00 | 264.00       | 259.50 | 254.00 |
| HARDNESS, NONCARBONATE (MG/L CAC03)      | 18                     | 93.00    | 52.00    | 64.39  | 10.63                 | 93.00                                                                        | 70.00  | 60.50        | 58.00  | 52.00  |
| CALCIUM, DISSOLVED (MG/L AS CA)          | 2                      | 69.00    | 64.00    |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 2                      | 23.00    | 22.00    |        |                       |                                                                              |        |              |        |        |
| SODIUM, DISSOLVED (MG/L AS NA)           | 1                      | 13.00    | 13.00    |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.40     | 0.40     |        |                       |                                                                              |        |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 1.70     | 1.70     |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 18                     | 43.00    | 21.00    | 26.72  | 5.82                  | 43.00                                                                        | 29.00  | 25.50        | 23.25  | 21.00  |
| SULFATE, DISSOLVED (MG/L AS S04)         | 18                     | 59.00    | 50.00    | 52.89  | 2.74                  | 59.00                                                                        | 55.00  | 52.00        | 50.75  | 50.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 0.80     | 0.80     |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SI02)         | 1                      | 14.00    | 14.00    |        |                       |                                                                              |        |              |        |        |
| IRON, DISSOLVED (UG/L AS FE)             | 1                      | 10.00    | 10.00    |        |                       |                                                                              |        |              |        |        |
| MANGANESE, DISSOLVED (UG/L AS MN)        | 1                      | 0.00     | 0.00     |        |                       |                                                                              |        |              |        |        |
| STRONTIUM, DISSOLVED (UG/L AS SR)        | 1                      | 10000.00 | 10000.00 |        |                       |                                                                              |        |              |        |        |
| ALUMINUM, DISSOLVED (UG/L AS AL)         | 1                      | 10.00    | 10.00    |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 318.00   | 318.00   |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292328098294601

WELL NUMBER: AY-68-37-705

LATITUDE: 292328

LONGITUDE: 0982946

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 7           | 28.00                  | 27.00   | 27.14  | 0.38               | 28.00                                                                     | 27.00  | 27.00     | 27.00  | 27.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 6           | 496.00                 | 474.00  | 482.00 | 7.56               | 496.00                                                                    | 486.25 | 480.50    | 477.00 | 474.00 |
| OXYGEN DEMAND, CHEMICAL(LOW LEVEL) (MG/L) | 1           | 50.00                  | 50.00   |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND,CHEMICAL(HIGH LEVEL) (MG/L) | 1           | 1.00                   | 1.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 5           | 7.20                   | 7.00    | 7.12   | 0.08               | 7.20                                                                      | 7.20   | 7.10      | 7.05   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 3           | 38.00                  | 24.00   |        |                    |                                                                           |        |           |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 6           | 200.00                 | 197.00  | 198.50 | 1.64               | 200.00                                                                    | 200.00 | 198.50    | 197.00 | 197.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 4           | 244.00                 | 240.00  |        |                    |                                                                           |        |           |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)           | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 7           | 2.00                   | 1.60    | 1.73   | 0.15               | 2.00                                                                      | 1.80   | 1.70      | 1.60   | 1.60   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 6           | 0.41                   | 0.08    | 0.24   | 0.12               | 0.41                                                                      | 0.35   | 0.24      | 0.13   | 0.08   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 7           | 0.18                   | 0.00    | 0.04   | 0.06               | 0.18                                                                      | 0.03   | 0.02      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 7           | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 6           | 1.60                   | 1.30    | 1.42   | 0.12               | 1.60                                                                      | 1.53   | 1.40      | 1.30   | 1.30   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 7           | 1.60                   | 1.30    | 1.41   | 0.11               | 1.60                                                                      | 1.50   | 1.40      | 1.30   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 7           | 0.05                   | 0.00    | 0.02   | 0.02               | 0.05                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 7           | 8.00                   | 0.00    | 1.39   | 2.96               | 8.00                                                                      | 1.30   | 0.00      | 0.00   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 6           | 240.00                 | 220.00  | 228.33 | 7.53               | 240.00                                                                    | 232.50 | 230.00    | 220.00 | 220.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 6           | 36.00                  | 18.00   | 27.67  | 6.09               | 36.00                                                                     | 31.50  | 29.00     | 22.50  | 18.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 6           | 68.00                  | 61.00   | 63.83  | 2.40               | 68.00                                                                     | 65.00  | 64.00     | 61.75  | 61.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 6           | 17.00                  | 16.00   | 16.17  | 0.41               | 17.00                                                                     | 16.25  | 16.00     | 16.00  | 16.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 6           | 9.80                   | 8.40    | 8.95   | 0.51               | 9.80                                                                      | 9.35   | 8.90      | 8.48   | 8.40   |
| SODIUM ADSORPTION RATIO                   | 6           | 0.30                   | 0.20    | 0.28   | 0.04               | 0.30                                                                      | 0.30   | 0.30      | 0.28   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 6           | 1.20                   | 1.10    | 1.17   | 0.05               | 1.20                                                                      | 1.20   | 1.20      | 1.10   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 6           | 19.00                  | 15.00   | 16.83  | 1.33               | 19.00                                                                     | 17.50  | 17.00     | 15.75  | 15.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 6           | 26.00                  | 17.00   | 22.67  | 3.20               | 26.00                                                                     | 25.25  | 23.00     | 20.75  | 17.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 6           | 0.50                   | 0.30    | 0.37   | 0.10               | 0.50                                                                      | 0.50   | 0.30      | 0.30   | 0.30   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 6           | 13.00                  | 12.00   | 12.33  | 0.52               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100ML)     | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 2           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 6           | 268.00                 | 253.00  | 261.83 | 5.49               | 268.00                                                                    | 267.25 | 261.50    | 258.25 | 253.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 4           | 0.36                   | 0.34    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 2           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292328098294601

WELL NUMBER: AY-68-37-705

LATITUDE: 292328

LONGITUDE: 0982946

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|--------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 6                      | 1.00    | 1.00    | 1.00  | 0.00                  | 1.00                                                                         | 1.00   | 1.00         | 1.00 | 1.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 120.00  | 0.00    | 73.33 | 57.50                 | 120.00                                                                       | 120.00 | 100.00       | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25   | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 6                      | 10.00   | 0.00    | 5.00  | 5.48                  | 10.00                                                                        | 10.00  | 5.00         | 0.00 | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)    | 6                      | 3.00    | 0.00    | 1.00  | 1.26                  | 3.00                                                                         | 2.25   | 0.50         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 6                      | 5.00    | 0.00    | 0.83  | 2.04                  | 5.00                                                                         | 1.25   | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 14.00   | 0.00    | 3.17  | 5.38                  | 14.00                                                                        | 5.00   | 1.50         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25   | 0.00         | 0.00 | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00 | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)      | 6                      | 6.00    | 3.00    | 4.67  | 1.03                  | 6.00                                                                         | 5.25   | 5.00         | 3.75 | 3.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25   | 0.00         | 0.00 | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 6                      | 0.20    | 0.00    | 0.05  | 0.08                  | 0.20                                                                         | 0.13   | 0.00         | 0.00 | 0.00 |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292904098205101

WELL NUMBER: AY-68-38-102

LATITUDE: 292904

LONGITUDE: 0982051

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT               | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|-----------------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                         | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| TEMPERATURE (DEG C)                     | 2                      | 25.00   | 24.00   |      |                       |                                                                              |    |              |    |   |
| SPECIFIC CONDUCTANCE (UMHOS)            | 2                      | 520.00  | 508.00  |      |                       |                                                                              |    |              |    |   |
| PH (UNITS)                              | 2                      | 7.80    | 7.50    |      |                       |                                                                              |    |              |    |   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2) | 2                      | 13.00   | 5.90    |      |                       |                                                                              |    |              |    |   |
| ALKALINITY FIELD (MG/L AS CaCO3)        | 2                      | 203.00  | 190.00  |      |                       |                                                                              |    |              |    |   |
| BICARBONATE FET-FLD (MG/L AS HCO3)      | 2                      | 248.00  | 232.00  |      |                       |                                                                              |    |              |    |   |
| CARBONATE FET-FLD (MG/L AS CO3)         | 2                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| HARDNESS (MG/L AS CaCO3)                | 2                      | 241.00  | 238.00  |      |                       |                                                                              |    |              |    |   |
| HARDNESS, NONCARBONATE (MG/L CaCO3)     | 2                      | 51.00   | 35.00   |      |                       |                                                                              |    |              |    |   |
| CALCIUM, DISSOLVED (MG/L AS Ca)         | 1                      | 62.00   | 62.00   |      |                       |                                                                              |    |              |    |   |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)       | 1                      | 21.00   | 21.00   |      |                       |                                                                              |    |              |    |   |
| CHLORIDE, DISSOLVED (MG/L AS CL)        | 2                      | 26.00   | 23.00   |      |                       |                                                                              |    |              |    |   |
| SULFATE, DISSOLVED (MG/L AS SO4)        | 2                      | 40.00   | 39.00   |      |                       |                                                                              |    |              |    |   |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292812098155101

WELL NUMBER: AY-68-38-301

LATITUDE: 292812

LONGITUDE: 0981551

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |          |          |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|------------------------------------------|------------------------|----------|----------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM  | MINIMUM  | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 28                     | 33.00    | 9.00     | 29.48   | 4.86                  | 32.55                                                                        | 31.37   | 31.00        | 29.50   | 12.60   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 30                     | 8190.00  | 6900.00  | 7622.67 | 214.15                | 8008.50                                                                      | 7760.00 | 7610.00      | 7530.00 | 7158.50 |
| PH (UNITS)                               | 30                     | 7.70     | 6.10     | 6.91    | 0.33                  | 7.59                                                                         | 7.10    | 6.90         | 6.70    | 6.26    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 29                     | 766.00   | 15.00    | 89.14   | 136.93                | 478.49                                                                       | 85.00   | 58.00        | 33.00   | 16.00   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 29                     | 270.00   | 10.00    | 232.80  | 420.43                | 260.00                                                                       | 254.50  | 236.00       | 220.50  | 106.50  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 29                     | 330.00   | 12.00    | 280.83  | 56.66                 | 328.00                                                                       | 307.00  | 288.00       | 269.00  | 130.00  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 29                     | 0.00     | 0.00     | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 2                      | 1.00     | 0.04     |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 30                     | 3300.00  | 2000.00  | 2359.67 | 209.65                | 2904.00                                                                      | 2370.00 | 2320.00      | 2275.00 | 2110.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 29                     | 2370.00  | 1980.00  | 2098.28 | 98.45                 | 2335.00                                                                      | 2120.00 | 2090.00      | 2020.00 | 1985.00 |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 4                      | 650.00   | 570.00   |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 4                      | 226.00   | 196.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM, DISSOLVED (MG/L AS Na)           | 2                      | 1080.00  | 953.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                  | 2                      | 9.50     | 8.70     |         |                       |                                                                              |         |              |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 62.00    | 62.00    |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 30                     | 1800.00  | 1560.00  | 1664.33 | 63.12                 | 1783.50                                                                      | 1720.00 | 1650.00      | 1600.00 | 1571.00 |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 27                     | 2020.00  | 1700.00  | 1837.04 | 69.77                 | 2016.00                                                                      | 1880.00 | 1820.00      | 1800.00 | 1712.00 |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 4.10     | 4.10     |         |                       |                                                                              |         |              |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 2                      | 19.00    | 19.00    |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 2                      | 5890.00  | 5400.00  |         |                       |                                                                              |         |              |         |         |
| IRON, DISSOLVED (UG/L AS FE)             | 1                      | 60.00    | 60.00    |         |                       |                                                                              |         |              |         |         |
| MANGANESE, DISSOLVED (UG/L AS MN)        | 1                      | 30.00    | 30.00    |         |                       |                                                                              |         |              |         |         |
| STRONTIUM, DISSOLVED (UG/L AS SR)        | 1                      | 12000.00 | 12000.00 |         |                       |                                                                              |         |              |         |         |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 1                      | 8.01     | 8.01     |         |                       |                                                                              |         |              |         |         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291830098383201

WELL NUMBER: AY-68-43-601

LATITUDE: 291830

LONGITUDE: 0983832

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 18                     | 265.00  | 26.00   | 40.25  | 56.10                 | 265.00                                                                       | 27.00  | 27.00        | 26.50  | 26.00  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 19                     | 489.00  | 454.00  | 468.26 | 9.34                  | 489.00                                                                       | 472.00 | 467.00       | 462.00 | 454.00 |
| PH (UNITS)                               | 19                     | 7.90    | 7.00    | 7.37   | 0.26                  | 7.90                                                                         | 7.50   | 7.30         | 7.10   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 19                     | 38.00   | 4.80    | 19.62  | 9.96                  | 38.00                                                                        | 31.00  | 20.00        | 12.00  | 4.80   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 19                     | 203.00  | 197.00  | 200.42 | 2.46                  | 203.00                                                                       | 203.00 | 200.00       | 198.00 | 197.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 19                     | 248.00  | 240.00  | 244.58 | 3.19                  | 248.00                                                                       | 248.00 | 244.00       | 242.00 | 240.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 19                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)              | 1                      | 0.75    | 0.75    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)      | 1                      | 0.03    | 0.03    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)      | 1                      | 0.01    | 0.01    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NITRITE TOTAL (MG/L AS N)      | 1                      | 0.01    | 0.01    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 2                      | 0.92    | 0.70    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)      | 1                      | 0.71    | 0.71    |        |                       |                                                                              |        |              |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 2                      | 0.02    | 0.00    |        |                       |                                                                              |        |              |        |        |
| CARBON, ORGANIC TOTAL (MG/L AS C)        | 1                      | 4.80    | 4.80    |        |                       |                                                                              |        |              |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)    | 1                      | 0.50    | 0.50    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 19                     | 262.00  | 216.00  | 234.05 | 12.98                 | 262.00                                                                       | 240.00 | 230.00       | 224.00 | 216.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 19                     | 62.00   | 13.00   | 33.21  | 12.68                 | 62.00                                                                        | 39.00  | 32.00        | 27.00  | 13.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 2                      | 66.00   | 65.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 2                      | 16.00   | 16.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)           | 2                      | 8.70    | 8.20    |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                  | 2                      | 0.30    | 0.20    |        |                       |                                                                              |        |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 2                      | 1.30    | 1.10    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 19                     | 18.00   | 13.00   | 15.26  | 1.76                  | 18.00                                                                        | 17.00  | 15.00        | 14.00  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 17                     | 25.00   | 20.00   | 22.24  | 1.39                  | 25.00                                                                        | 23.00  | 22.00        | 21.00  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 2                      | 0.50    | 0.30    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 2                      | 12.00   | 12.00   |        |                       |                                                                              |        |              |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)   | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 2                      | 266.00  | 262.00  |        |                       |                                                                              |        |              |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 1                      | 0.36    | 0.36    |        |                       |                                                                              |        |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291753098393501

WELL NUMBER: AY-68-43-610

LATITUDE: 291753

LONGITUDE: 0983935

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 22          | 34.50                  | 33.00   | 33.41  | 0.45               | 34.42                                                                     | 33.62  | 33.50     | 33.00  | 33.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 23          | 803.00                 | 577.00  | 664.78 | 58.58              | 793.40                                                                    | 708.00 | 650.00    | 624.00 | 577.40 |
| PH (UNITS)                                | 23          | 8.20                   | 6.90    | 7.37   | 0.30               | 8.10                                                                      | 7.60   | 7.30      | 7.10   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 23          | 48.00                  | 2.40    | 19.97  | 12.31              | 48.00                                                                     | 30.00  | 19.00     | 9.70   | 3.26   |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 23          | 202.00                 | 156.00  | 192.61 | 11.18              | 202.00                                                                    | 200.00 | 195.00    | 192.00 | 159.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 23          | 246.00                 | 190.00  | 234.83 | 13.61              | 246.00                                                                    | 244.00 | 238.00    | 234.00 | 193.80 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 23          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 23          | 343.00                 | 267.00  | 300.87 | 17.36              | 339.20                                                                    | 312.00 | 302.00    | 290.00 | 267.60 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 23          | 172.00                 | 73.00   | 108.70 | 19.80              | 163.60                                                                    | 116.00 | 108.00    | 94.00  | 75.60  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 2           | 96.00                  | 71.00   |        |                    |                                                                           |        |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 2           | 25.00                  | 22.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)            | 2           | 37.00                  | 20.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                   | 2           | 0.50                   | 0.10    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 2           | 3.40                   | 2.20    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 23          | 69.00                  | 30.00   | 42.13  | 9.91               | 66.60                                                                     | 48.00  | 42.00     | 34.00  | 30.20  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 20          | 158.00                 | 68.00   | 95.70  | 20.98              | 156.00                                                                    | 108.00 | 93.00     | 78.25  | 68.40  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 2           | 1.00                   | 0.50    |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 2           | 15.00                  | 13.00   |        |                    |                                                                           |        |           |        |        |
| BORON, DISSOLVED (UG/L AS B)              | 1           | 80.00                  | 80.00   |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 2           | 507.00                 | 357.00  |        |                    |                                                                           |        |           |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 1           | 0.49                   | 0.49    |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291632098401601

WELL NUMBER: AY-68-43-807

LATITUDE: 291632

LONGITUDE: 0984016

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                          | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 22                     | 36.00   | 31.50   | 34.98  | 1.13               | 36.00                                                                     | 36.00  | 35.50     | 34.37  | 31.80  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 22                     | 1180.00 | 684.00  | 845.14 | 135.03             | 1156.00                                                                   | 962.75 | 807.00    | 725.00 | 685.35 |
| PH (UNITS)                               | 21                     | 7.80    | 6.60    | 7.17   | 0.32               | 7.77                                                                      | 7.40   | 7.20      | 6.95   | 6.61   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 21                     | 93.00   | 5.70    | 31.08  | 23.25              | 91.00                                                                     | 43.00  | 24.00     | 14.50  | 6.23   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 22                     | 210.00  | 143.00  | 186.86 | 15.75              | 208.20                                                                    | 195.00 | 190.00    | 186.25 | 144.50 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 22                     | 256.00  | 174.00  | 227.77 | 19.28              | 253.90                                                                    | 238.00 | 232.00    | 227.00 | 175.80 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 22                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 22                     | 522.00  | 264.00  | 360.36 | 55.32              | 506.10                                                                    | 395.50 | 340.00    | 320.00 | 271.50 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 22                     | 370.00  | 110.00  | 173.68 | 62.25              | 349.30                                                                    | 224.00 | 145.00    | 127.25 | 111.20 |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 2                      | 100.00  | 94.00   |        |                    |                                                                           |        |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 2                      | 32.00   | 21.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 42.00   | 42.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.90    | 0.90    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 3.60    | 3.60    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 23                     | 98.00   | 44.00   | 66.26  | 18.96              | 97.00                                                                     | 88.00  | 61.00     | 47.00  | 44.20  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 21                     | 340.00  | 110.00  | 153.86 | 56.23              | 327.40                                                                    | 187.00 | 130.00    | 113.00 | 110.00 |
| BORON, DISSOLVED (UG/L AS B)             | 1                      | 220.00  | 220.00  |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 14.00   | 14.00   |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 552.00  | 552.00  |        |                    |                                                                           |        |           |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291602098412801

WELL NUMBER: AY-68-43-809

LATITUDE: 291602

LONGITUDE: 0984128

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |        |        |
|------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 15                     | 38.00   | 33.00   | 35.43   | 1.08                  | 38.00                                                                        | 36.00   | 35.50        | 35.00  | 33.00  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 16                     | 1380.00 | 819.00  | 1067.75 | 208.44                | 1380.00                                                                      | 1320.00 | 987.00       | 878.25 | 819.00 |
| PH (UNITS)                               | 15                     | 7.80    | 6.70    | 7.11    | 0.30                  | 7.80                                                                         | 7.30    | 7.10         | 6.80   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 15                     | 70.00   | 5.80    | 34.19   | 20.10                 | 70.00                                                                        | 57.00   | 29.00        | 19.00  | 5.80   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 15                     | 195.00  | 167.00  | 185.47  | 7.41                  | 195.00                                                                       | 190.00  | 187.00       | 179.00 | 167.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 15                     | 238.00  | 204.00  | 226.27  | 9.10                  | 238.00                                                                       | 232.00  | 228.00       | 218.00 | 204.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 15                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.90    | 0.90    |         |                       |                                                                              |         |              |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 15                     | 565.00  | 370.00  | 461.87  | 69.57                 | 565.00                                                                       | 535.00  | 430.00       | 396.00 | 370.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 15                     | 386.00  | 175.00  | 276.07  | 72.92                 | 386.00                                                                       | 355.00  | 260.00       | 206.00 | 175.00 |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 1                      | 112.00  | 112.00  |         |                       |                                                                              |         |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 1                      | 34.00   | 34.00   |         |                       |                                                                              |         |              |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 49.00   | 49.00   |         |                       |                                                                              |         |              |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 1.00    | 1.00    |         |                       |                                                                              |         |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 4.00    | 4.00    |         |                       |                                                                              |         |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 16                     | 152.00  | 66.00   | 102.87  | 32.43                 | 152.00                                                                       | 139.75  | 87.50        | 74.25  | 66.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 16                     | 326.00  | 156.00  | 233.87  | 65.56                 | 326.00                                                                       | 305.75  | 214.00       | 173.00 | 156.00 |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 1.20    | 1.20    |         |                       |                                                                              |         |              |        |        |
| STRONTIUM, DISSOLVED (UG/L AS SR)        | 1                      | 5100.00 | 5100.00 |         |                       |                                                                              |         |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 14.00   | 14.00   |         |                       |                                                                              |         |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 626.00  | 626.00  |         |                       |                                                                              |         |              |        |        |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291642098384001

WELL NUMBER: AY-68-43-901

LATITUDE: 291642

LONGITUDE: 0983840

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 22                     | 39.50   | 38.00   | 38.41   | 0.50                  | 39.50                                                                        | 38.62   | 38.25        | 38.00   | 38.00   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 21                     | 3590.00 | 2300.00 | 3070.48 | 296.66                | 3568.00                                                                      | 3235.00 | 3160.00      | 2865.00 | 2335.00 |
| PH (UNITS)                               | 21                     | 7.40    | 6.60    | 7.08    | 0.21                  | 7.40                                                                         | 7.25    | 7.10         | 6.95    | 6.62    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 21                     | 86.00   | 12.00   | 36.52   | 17.40                 | 83.50                                                                        | 45.50   | 37.00        | 23.00   | 12.20   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 21                     | 253.00  | 159.00  | 201.52  | 21.58                 | 250.90                                                                       | 215.00  | 202.00       | 188.00  | 160.00  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 21                     | 308.00  | 194.00  | 245.57  | 26.31                 | 305.50                                                                       | 262.00  | 246.00       | 229.00  | 195.20  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 21                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.04    | 0.04    |         |                       |                                                                              |         |              |         |         |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)      | 1                      | 0.20    | 0.20    |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 21                     | 1560.00 | 620.00  | 1264.86 | 206.25                | 1552.00                                                                      | 1400.00 | 1320.00      | 1160.00 | 650.20  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 21                     | 1360.00 | 430.00  | 1062.19 | 197.18                | 1350.00                                                                      | 1180.00 | 1110.00      | 973.00  | 463.40  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 1                      | 243.00  | 243.00  |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 1                      | 77.00   | 77.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 149.00  | 149.00  |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                  | 1                      | 2.10    | 2.10    |         |                       |                                                                              |         |              |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 9.50    | 9.50    |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 22                     | 570.00  | 305.00  | 457.50  | 56.48                 | 564.75                                                                       | 488.75  | 468.00       | 430.50  | 317.45  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 19                     | 1040.00 | 663.00  | 913.84  | 98.99                 | 1040.00                                                                      | 980.00  | 944.00       | 840.00  | 663.00  |
| BORON, DISSOLVED (UG/L AS B)             |                        |         |         |         |                       |                                                                              |         |              |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 18.00   | 18.00   |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 1560.00 | 1560.00 |         |                       |                                                                              |         |              |         |         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291842098364501

WELL NUMBER: AY-68-44-404

LATITUDE: 291842

LONGITUDE: 0983645

WELL DEPTH: 1955.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 25                     | 31.00   | 28.00   | 29.85   | 0.86                  | 31.00                                                                        | 30.50   | 30.00        | 29.25   | 28.00   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 27                     | 3850.00 | 2480.00 | 2942.59 | 258.48                | 3621.99                                                                      | 3050.00 | 2920.00      | 2760.00 | 2552.00 |
| PH (UNITS)                               | 26                     | 7.60    | 6.70    | 7.12    | 0.28                  | 7.60                                                                         | 7.32    | 7.10         | 6.87    | 6.73    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 25                     | 77.00   | 9.70    | 35.38   | 18.53                 | 72.50                                                                        | 48.00   | 33.00        | 21.00   | 9.76    |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 25                     | 230.00  | 157.00  | 194.00  | 20.45                 | 228.80                                                                       | 208.00  | 194.00       | 178.00  | 158.20  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 25                     | 280.00  | 191.00  | 236.44  | 25.01                 | 278.80                                                                       | 253.50  | 236.00       | 217.00  | 192.50  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 25                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.02    | 0.02    |         |                       |                                                                              |         |              |         |         |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 1                      | 0.00    | 0.00    |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 26                     | 1560.00 | 1080.00 | 1229.62 | 96.60                 | 1490.00                                                                      | 1262.50 | 1240.00      | 1182.50 | 1087.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 25                     | 1330.00 | 858.00  | 1034.32 | 99.20                 | 1291.00                                                                      | 1080.00 | 1040.00      | 970.00  | 864.60  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 2                      | 396.00  | 270.00  |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 2                      | 139.00  | 104.00  |         |                       |                                                                              |         |              |         |         |
| SODIUM, DISSOLVED (MG/L AS Na)           | 2                      | 288.00  | 188.00  |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                  | 2                      | 3.20    | 2.50    |         |                       |                                                                              |         |              |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 2                      | 18.00   | 14.00   |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 26                     | 620.00  | 370.00  | 436.77  | 53.98                 | 580.80                                                                       | 460.50  | 436.00       | 391.00  | 370.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 22                     | 1100.00 | 730.00  | 877.77  | 79.67                 | 1080.65                                                                      | 926.00  | 877.00       | 809.50  | 739.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 3.50    | 3.50    |         |                       |                                                                              |         |              |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 2                      | 21.00   | 20.00   |         |                       |                                                                              |         |              |         |         |
| BORON, DISSOLVED (UG/L AS B)             | 1                      | 420.00  | 420.00  |         |                       |                                                                              |         |              |         |         |
| IRON, DISSOLVED (UG/L AS FE)             | 2                      | 50.00   | 20.00   |         |                       |                                                                              |         |              |         |         |
| STRONTIUM, DISSOLVED (UG/L AS SR)        | 1                      | 8900.00 | 8900.00 |         |                       |                                                                              |         |              |         |         |
| ALUMINUM, DISSOLVED (UG/L AS AL)         | 1                      | 200.00  | 200.00  |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 2                      | 2720.00 | 1820.00 |         |                       |                                                                              |         |              |         |         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292144098280501

WELL NUMBER: AY-68-45-101

LATITUDE: 292144

LONGITUDE: 0982805

WELL DEPTH: 1878.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |          |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|-------------------------------------------|------------------------|----------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                           | SAMPLE<br>SIZE         | MAXIMUM  | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                       | 28                     | 40.00    | 37.00   | 38.98   | 0.63                  | 40.00                                                                        | 39.00   | 39.00        | 38.62   | 37.45   |
| SPECIFIC CONDUCTANCE (UMHOS)              | 29                     | 6320.00  | 5210.00 | 5537.93 | 196.08                | 6014.99                                                                      | 5630.00 | 5530.00      | 5450.00 | 5210.00 |
| PH (UNITS)                                | 29                     | 7.40     | 6.60    | 7.04    | 0.23                  | 7.40                                                                         | 7.25    | 7.10         | 6.90    | 6.60    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 27                     | 117.00   | 17.00   | 44.74   | 26.53                 | 115.80                                                                       | 56.00   | 37.00        | 23.00   | 18.20   |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 27                     | 238.00   | 144.00  | 216.30  | 24.56                 | 237.20                                                                       | 233.00  | 228.00       | 205.00  | 150.80  |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 27                     | 290.00   | 176.00  | 263.67  | 29.92                 | 289.20                                                                       | 284.00  | 278.00       | 250.00  | 184.00  |
| CARBONATE FET-FLD (MG/L AS CO3)           | 26                     | 0.00     | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 1                      | 0.00     | 0.00    |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                  | 25                     | 2720.00  | 2370.00 | 2528.00 | 83.17                 | 2708.00                                                                      | 2560.00 | 2540.00      | 2470.00 | 2379.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 25                     | 2480.00  | 2140.00 | 2311.20 | 84.82                 | 2471.00                                                                      | 2375.00 | 2320.00      | 2245.00 | 2152.00 |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 6                      | 660.00   | 590.00  | 627.50  | 25.64                 | 660.00                                                                       | 645.00  | 635.00       | 601.25  | 590.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 6                      | 240.00   | 220.00  | 230.00  | 6.36                  | 240.00                                                                       | 233.25  | 230.00       | 226.75  | 220.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 2                      | 480.00   | 449.00  |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                   | 2                      | 4.50     | 4.20    |         |                       |                                                                              |         |              |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 2                      | 28.00    | 25.00   |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 28                     | 940.00   | 870.00  | 906.46  | 14.10                 | 931.00                                                                       | 917.50  | 910.00       | 900.00  | 870.45  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 27                     | 2060.00  | 1800.00 | 1964.07 | 48.77                 | 2036.00                                                                      | 2000.00 | 1980.00      | 1950.00 | 1840.00 |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 2                      | 4.50     | 3.50    |         |                       |                                                                              |         |              |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 3                      | 22.00    | 20.00   |         |                       |                                                                              |         |              |         |         |
| IRON, DISSOLVED (UG/L AS FE)              | 1                      | 20.00    | 20.00   |         |                       |                                                                              |         |              |         |         |
| MANGANESE, DISSOLVED (UG/L AS MN)         | 1                      | 20.00    | 20.00   |         |                       |                                                                              |         |              |         |         |
| STRONTIUM, DISSOLVED (UG/L AS SR)         | 2                      | 14000.00 | 1400.00 |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 3                      | 4390.00  | 4180.00 |         |                       |                                                                              |         |              |         |         |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 2                      | 5.88     | 5.68    |         |                       |                                                                              |         |              |         |         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292216098235801

WELL NUMBER: AY-68-45-301

LATITUDE: 292216

LONGITUDE: 0982358

WELL DEPTH: 2179.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |          |          |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |         |         |
|------------------------------------------|------------------------|----------|----------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|---------|---------|
|                                          | SAMPLE SIZE            | MAXIMUM  | MINIMUM  | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 29                     | 44.00    | 36.00    | 41.84   | 2.41               | 44.00                                                                     | 43.50   | 42.50     | 41.50   | 36.00   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 30                     | 5780.00  | 5020.00  | 5563.33 | 166.76             | 5780.00                                                                   | 5712.50 | 5575.00   | 5455.00 | 5174.00 |
| PH (UNITS)                               | 30                     | 7.70     | 6.50     | 7.08    | 0.30               | 7.64                                                                      | 7.22    | 7.10      | 6.80    | 6.55    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 29                     | 142.00   | 9.60     | 46.16   | 31.18              | 125.50                                                                    | 66.50   | 35.00     | 27.00   | 9.75    |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 29                     | 251.00   | 184.00   | 220.48  | 14.70              | 245.00                                                                    | 230.00  | 225.00    | 208.50  | 190.00  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 29                     | 306.00   | 224.00   | 268.83  | 17.91              | 298.50                                                                    | 280.00  | 274.00    | 254.00  | 231.50  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 29                     | 0.00     | 0.00     | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.11     | 0.11     |         |                    |                                                                           |         |           |         |         |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 1                      | 0.00     | 0.00     |         |                    |                                                                           |         |           |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 30                     | 2840.00  | 2400.00  | 2524.33 | 88.62              | 2763.00                                                                   | 2560.00 | 2510.00   | 2460.00 | 2411.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 29                     | 2640.00  | 2200.00  | 2305.86 | 92.60              | 2555.00                                                                   | 2335.00 | 2290.00   | 2245.00 | 2200.00 |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 5                      | 683.00   | 620.00   | 649.60  | 26.04              | 683.00                                                                    | 676.50  | 640.00    | 627.50  | 620.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 5                      | 220.00   | 208.00   | 215.20  | 5.22               | 220.00                                                                    | 220.00  | 216.00    | 210.00  | 208.00  |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 462.00   | 462.00   |         |                    |                                                                           |         |           |         |         |
| SODIUM ADSORPTION RATIO                  | 2                      | 4.40     | 4.10     |         |                    |                                                                           |         |           |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 38.00    | 38.00    |         |                    |                                                                           |         |           |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 30                     | 990.00   | 920.00   | 941.13  | 14.38              | 979.00                                                                    | 950.00  | 940.00    | 933.00  | 920.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 29                     | 2050.00  | 1850.00  | 1953.79 | 46.09              | 2025.00                                                                   | 2000.00 | 1950.00   | 1925.00 | 1855.00 |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 2                      | 5.00     | 1.50     |         |                    |                                                                           |         |           |         |         |
| COPPER, DISSOLVED (UG/L AS CU)           | 1                      | 20.00    | 20.00    |         |                    |                                                                           |         |           |         |         |
| IRON, DISSOLVED (UG/L AS FE)             | 2                      | 50.00    | 50.00    |         |                    |                                                                           |         |           |         |         |
| STRONTIUM, DISSOLVED (UG/L AS SR)        | 1                      | 15000.00 | 15000.00 |         |                    |                                                                           |         |           |         |         |
| ZINC, DISSOLVED (UG/L AS ZN)             | 1                      | 20.00    | 20.00    |         |                    |                                                                           |         |           |         |         |
| ALUMINUM, DISSOLVED (UG/L AS AL)         | 1                      | 300.00   | 300.00   |         |                    |                                                                           |         |           |         |         |
| LITHIUM, DISSOLVED (UG/L AS LI)          | 1                      | 880.00   | 880.00   |         |                    |                                                                           |         |           |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 2                      | 23.00    | 7.10     |         |                    |                                                                           |         |           |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 4280.00  | 4280.00  |         |                    |                                                                           |         |           |         |         |

TABLE 2.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, BEXAR COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291500098403501

WELL NUMBER: AY-68-51-201

LATITUDE: 291500

LONGITUDE: 0984035

WELL DEPTH: 2226.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |          |          |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|------------------------------------------|------------------------|----------|----------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM  | MINIMUM  | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 24                     | 41.00    | 38.50    | 40.06   | 0.76                  | 41.00                                                                        | 40.50   | 40.50        | 39.50   | 38.62   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 28                     | 4920.00  | 4570.00  | 4783.93 | 80.80                 | 4902.00                                                                      | 4840.00 | 4810.00      | 4750.00 | 4601.50 |
| PH (UNITS)                               | 27                     | 7.70     | 6.50     | 6.99    | 0.30                  | 7.62                                                                         | 7.20    | 6.90         | 6.70    | 6.54    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 27                     | 89.00    | 8.30     | 48.57   | 25.04                 | 88.60                                                                        | 74.00   | 49.00        | 28.00   | 10.18   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 27                     | 226.00   | 144.00   | 204.78  | 21.56                 | 226.00                                                                       | 217.00  | 212.00       | 202.00  | 146.80  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 27                     | 276.00   | 176.00   | 249.67  | 26.27                 | 276.00                                                                       | 264.00  | 258.00       | 246.00  | 179.20  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 27                     | 0.00     | 0.00     | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 2                      | 0.45     | 0.18     |         |                       |                                                                              |         |              |         |         |
| PHOSPHORUS, TOTAL (MG/L AS P)            | 1                      | 0.00     | 0.00     |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 27                     | 2390.00  | 2070.00  | 2210.00 | 72.43                 | 2378.00                                                                      | 2240.00 | 2180.00      | 2180.00 | 2094.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 27                     | 2250.00  | 1860.00  | 2004.44 | 85.55                 | 2214.00                                                                      | 2040.00 | 1970.00      | 1960.00 | 1876.00 |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 4                      | 580.00   | 540.00   |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 4                      | 200.00   | 178.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 350.00   | 350.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                  | 1                      | 3.30     | 3.30     |         |                       |                                                                              |         |              |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 19.00    | 19.00    |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 28                     | 810.00   | 750.00   | 770.75  | 13.75                 | 805.50                                                                       | 780.00  | 770.00       | 760.00  | 750.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 26                     | 1820.00  | 1600.00  | 1696.54 | 52.76                 | 1813.00                                                                      | 1740.00 | 1690.00      | 1660.00 | 1603.50 |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 5.10     | 5.10     |         |                       |                                                                              |         |              |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 2                      | 22.00    | 20.00    |         |                       |                                                                              |         |              |         |         |
| BORON, DISSOLVED (UG/L AS B)             | 1                      | 1300.00  | 1300.00  |         |                       |                                                                              |         |              |         |         |
| IRON, DISSOLVED (UG/L AS FE)             | 1                      | 510.00   | 510.00   |         |                       |                                                                              |         |              |         |         |
| MANGANESE, DISSOLVED (UG/L AS MN)        | 1                      | 30.00    | 30.00    |         |                       |                                                                              |         |              |         |         |
| STRONTIUM, DISSOLVED (UG/L AS SR)        | 1                      | 13000.00 | 13000.00 |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 2                      | 3870.00  | 3660.00  |         |                       |                                                                              |         |              |         |         |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS

STATION NUMBER: 294533098082301

WELL NUMBER: DX-68-15-901 (HUECO SPRINGS)

LATITUDE: 294533

LONGITUDE: 0980823

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

[DEG C, degree Celsius; UMHOS, micromho per centimeter at 25° Celsius; MG/L, milligram per liter;  
COLS./100 ML, colonies per 100 milliliters; TONS PER AC-FT, tons per acre-foot; UG/L, micrograms per liter]

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 13          | 22.50                  | 20.00   | 21.58  | 0.64               | 22.50                                                                     | 22.00  | 21.50     | 21.25  | 20.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 14          | 596.00                 | 486.00  | 565.71 | 34.67              | 596.00                                                                    | 586.75 | 577.50    | 558.50 | 486.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)  | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 13          | 7.40                   | 6.50    | 6.95   | 0.27               | 7.40                                                                      | 7.20   | 6.90      | 6.75   | 6.50   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 11          | 175.00                 | 21.00   | 66.09  | 47.88              | 175.00                                                                    | 68.00  | 55.00     | 32.00  | 21.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 14          | 285.00                 | 238.00  | 272.07 | 12.12              | 285.00                                                                    | 281.50 | 271.50    | 270.00 | 238.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 12          | 348.00                 | 290.00  | 332.00 | 16.03              | 348.00                                                                    | 344.25 | 333.50    | 330.00 | 290.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 12          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 5           | 3.50                   | 1.80    | 2.44   | 0.69               | 3.50                                                                      | 3.10   | 2.30      | 1.85   | 1.80   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 4           | 0.95                   | 0.16    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 7           | 0.15                   | 0.00    | 0.03   | 0.06               | 0.15                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 5           | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.03   | 0.01      | 0.01   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 7           | 1.90                   | 0.56    | 1.55   | 0.45               | 1.90                                                                      | 1.80   | 1.70      | 1.60   | 0.56   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 7           | 2.10                   | 0.87    | 1.58   | 0.37               | 2.10                                                                      | 1.70   | 1.60      | 1.50   | 0.87   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 10          | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 5           | 7.50                   | 0.00    | 2.30   | 2.97               | 7.50                                                                      | 4.55   | 1.40      | 0.50   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 14          | 310.00                 | 250.00  | 293.14 | 15.55              | 310.00                                                                    | 300.00 | 300.00    | 287.50 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 14          | 35.00                  | 11.00   | 20.50  | 6.14               | 35.00                                                                     | 24.00  | 20.00     | 17.50  | 11.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 12          | 110.00                 | 80.00   | 96.42  | 7.29               | 110.00                                                                    | 100.00 | 97.50     | 91.75  | 80.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 12          | 16.00                  | 10.00   | 12.75  | 2.18               | 16.00                                                                     | 15.00  | 12.50     | 11.00  | 10.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 11          | 8.20                   | 5.20    | 7.28   | 0.81               | 8.20                                                                      | 7.80   | 7.40      | 7.20   | 5.20   |
| SODIUM ADSORPTION RATIO                   | 11          | 0.20                   | 0.10    | 0.19   | 0.03               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 11          | 1.50                   | 1.10    | 1.32   | 0.13               | 1.50                                                                      | 1.40   | 1.40      | 1.20   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 14          | 16.00                  | 9.70    | 12.17  | 1.86               | 16.00                                                                     | 14.00  | 11.50     | 11.00  | 9.70   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 14          | 20.00                  | 1.00    | 13.41  | 4.31               | 20.00                                                                     | 15.25  | 14.00     | 12.00  | 1.00   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 12          | 0.60                   | 0.20    | 0.26   | 0.12               | 0.60                                                                      | 0.27   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 12          | 12.00                  | 10.00   | 10.83  | 0.72               | 12.00                                                                     | 11.00  | 11.00     | 10.00  | 10.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 3           | 48.00                  | 6.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 2           | 12.00                  | 1.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 2           | 13.00                  | 2.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 3           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS,DISS. (MG/L)  | 12          | 342.00                 | 273.00  | 320.33 | 18.36              | 342.00                                                                    | 334.50 | 321.50    | 315.25 | 273.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 6           | 0.45                   | 0.37    | 0.43   | 0.03               | 0.45                                                                      | 0.44   | 0.43      | 0.42   | 0.37   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294533098082301

WELL NUMBER: DX-68-15-901 (HUECO SPRINGS)

LATITUDE: 294533

LONGITUDE: 0980823

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|-----------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 6                      | 1.00    | 0.00    | 0.50   | 0.55                  | 1.00                                                                         | 1.00   | 0.50         | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 33.00   | 0.00    | 20.50  | 15.92                 | 33.00                                                                        | 30.75  | 30.00        | 0.00   | 0.00   |
| BORON, DISSOLVED (UG/L AS B)      | 1                      | 40.00   | 40.00   |        |                       |                                                                              |        |              |        |        |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 6                      | 10.00   | 0.00    | 3.33   | 5.16                  | 10.00                                                                        | 10.00  | 0.00         | 0.00   | 0.00   |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 3.00    | 0.00    | 0.86   | 1.21                  | 3.00                                                                         | 2.00   | 0.00         | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)      | 10                     | 30.00   | 0.00    | 4.10   | 9.73                  | 30.00                                                                        | 2.75   | 0.00         | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)      | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN) | 9                      | 6.00    | 0.00    | 0.67   | 2.00                  | 6.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)    | 1                      | 10.00   | 10.00   |        |                       |                                                                              |        |              |        |        |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 6                      | 400.00  | 100.00  | 296.67 | 119.28                | 400.00                                                                       | 392.50 | 340.00       | 182.50 | 100.00 |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 20.00   | 0.00    | 6.71   | 9.43                  | 20.00                                                                        | 20.00  | 0.00         | 0.00   | 0.00   |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 1.00    | 0.00    | 0.50   | 0.55                  | 1.00                                                                         | 1.00   | 0.50         | 0.00   | 0.00   |
| MERCURY, DISSOLVED (UG/L AS HG)   | 6                      | 0.40    | 0.00    | 0.08   | 0.16                  | 0.40                                                                         | 0.18   | 0.00         | 0.00   | 0.00   |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294800098024001

WELL NUMBER: DX-68-16-501

LATITUDE: 294800

LONGITUDE: 0980240

WELL DEPTH: 272.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT               | DESCRIPTIVE STATISTICS |         |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |         |         |
|-----------------------------------------|------------------------|---------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|---------|---------|
|                                         | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25      | 5       |
| TEMPERATURE (DEG C)                     | 17                     | 24.00   | 21.00   | 23.12   | 0.89               | 24.00                                                                     | 24.00   | 23.00     | 23.00   | 21.00   |
| SPECIFIC CONDUCTANCE (UMHOS)            | 20                     | 1440.00 | 1300.00 | 1384.00 | 46.39              | 1439.50                                                                   | 1427.50 | 1395.00   | 1342.50 | 1300.50 |
| PH (UNITS)                              | 19                     | 7.70    | 6.70    | 7.15    | 0.25               | 7.70                                                                      | 7.30    | 7.10      | 7.00    | 6.70    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2) | 19                     | 121.00  | 11.00   | 48.74   | 27.11              | 121.00                                                                    | 60.00   | 47.00     | 30.00   | 11.00   |
| ALKALINITY FIELD (MG/L AS CaCO3)        | 19                     | 318.00  | 277.00  | 304.00  | 10.55              | 318.00                                                                    | 310.00  | 308.00    | 302.00  | 277.00  |
| BICARBONATE FET-FLD (MG/L AS HCO3)      | 19                     | 388.00  | 338.00  | 370.74  | 12.91              | 388.00                                                                    | 378.00  | 376.00    | 368.00  | 338.00  |
| CARBONATE FET-FLD (MG/L AS CO3)         | 19                     | 0.00    | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |
| HARDNESS (MG/L AS CaCO3)                | 19                     | 610.00  | 500.00  | 548.84  | 29.92              | 610.00                                                                    | 570.00  | 556.00    | 520.00  | 500.00  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)     | 19                     | 302.00  | 208.00  | 244.58  | 23.61              | 302.00                                                                    | 260.00  | 242.00    | 229.00  | 208.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)         | 1                      | 164.00  | 164.00  |         |                    |                                                                           |         |           |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)       | 1                      | 37.00   | 37.00   |         |                    |                                                                           |         |           |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)        | 21                     | 175.00  | 155.00  | 163.43  | 6.58               | 174.60                                                                    | 170.00  | 164.00    | 157.00  | 155.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)        | 21                     | 218.00  | 186.00  | 203.95  | 10.21              | 218.00                                                                    | 211.50  | 206.00    | 193.50  | 186.40  |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294832098024501

WELL NUMBER: DX-68-16-502

LATITUDE: 294832

LONGITUDE: 0980245

WELL DEPTH: 230.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 5           | 23.50                  | 23.00   | 23.10  | 0.22               | 23.50                                                                     | 23.25  | 23.00     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 6           | 579.00                 | 554.00  | 568.67 | 9.79               | 579.00                                                                    | 576.75 | 571.50    | 558.50 | 554.00 |
| PH (UNITS)                                | 6           | 7.40                   | 6.90    | 7.12   | 0.17               | 7.40                                                                      | 7.25   | 7.10      | 6.98   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 4           | 51.00                  | 20.00   |        |                    |                                                                           |        |           |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 6           | 274.00                 | 254.00  | 262.00 | 6.57               | 274.00                                                                    | 265.00 | 261.00    | 258.50 | 254.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 4           | 334.00                 | 310.00  |        |                    |                                                                           |        |           |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)           | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 5           | 3.10                   | 1.90    | 2.44   | 0.48               | 3.10                                                                      | 2.90   | 2.40      | 2.00   | 1.90   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 4           | 1.20                   | 0.05    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 5           | 0.05                   | 0.00    | 0.02   | 0.03               | 0.05                                                                      | 0.05   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 5           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 4           | 2.00                   | 1.80    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 6           | 2.00                   | 1.60    | 1.82   | 0.15               | 2.00                                                                      | 1.93   | 1.85      | 1.67   | 1.60   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 5           | 0.04                   | 0.00    | 0.02   | 0.02               | 0.04                                                                      | 0.04   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 5           | 4.20                   | 0.00    | 1.70   | 1.85               | 4.20                                                                      | 3.65   | 0.90      | 0.15   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 6           | 290.00                 | 270.00  | 285.00 | 8.37               | 290.00                                                                    | 290.00 | 290.00    | 277.50 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 6           | 33.00                  | 9.00    | 22.83  | 9.33               | 33.00                                                                     | 31.50  | 23.00     | 15.75  | 9.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 6           | 91.00                  | 84.00   | 87.83  | 2.48               | 91.00                                                                     | 89.50  | 88.50     | 85.50  | 84.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 6           | 17.00                  | 15.00   | 16.00  | 0.63               | 17.00                                                                     | 16.25  | 16.00     | 15.75  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 6           | 9.00                   | 7.60    | 8.18   | 0.50               | 9.00                                                                      | 8.55   | 8.15      | 7.75   | 7.60   |
| SODIUM ADSORPTION RATIO                   | 6           | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 6           | 1.20                   | 0.90    | 1.03   | 0.12               | 1.20                                                                      | 1.13   | 1.05      | 0.90   | 0.90   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 6           | 17.00                  | 13.00   | 14.17  | 1.60               | 17.00                                                                     | 15.50  | 13.50     | 13.00  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 6           | 23.00                  | 18.00   | 19.67  | 1.97               | 23.00                                                                     | 21.50  | 19.00     | 18.00  | 18.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 6           | 0.30                   | 0.10    | 0.20   | 0.06               | 0.30                                                                      | 0.23   | 0.20      | 0.17   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 6           | 13.00                  | 12.00   | 12.33  | 0.52               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI FECAL, KF AGAR(COLS./100 ML) | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 6           | 331.00                 | 309.00  | 317.00 | 8.69               | 331.00                                                                    | 324.25 | 315.50    | 309.00 | 309.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 3           | 0.45                   | 0.42    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294832098024501 WELL NUMBER: DX-68-16-502

LATITUDE: 294832 LONGITUDE: 0980245 WELL DEPTH: 230.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |       |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|-------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5     |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 5                      | 1.00    | 0.00    | 0.60  | 0.55                  | 1.00                                                                         | 1.00  | 1.00         | 0.00  | 0.00  |
| BARIUM, DISSOLVED (UG/L AS BA)    | 5                      | 100.00  | 40.00   | 52.00 | 26.83                 | 100.00                                                                       | 70.00 | 40.00        | 40.00 | 40.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 5                      | 2.00    | 0.00    | 0.40  | 0.89                  | 2.00                                                                         | 1.00  | 0.00         | 0.00  | 0.00  |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 5                      | 10.00   | 0.00    | 2.00  | 4.47                  | 10.00                                                                        | 5.00  | 0.00         | 0.00  | 0.00  |
| COPPER, DISSOLVED (UG/L AS CU)    | 5                      | 1.00    | 0.00    | 0.20  | 0.45                  | 1.00                                                                         | 0.50  | 0.00         | 0.00  | 0.00  |
| IRON, DISSOLVED (UG/L AS FE)      | 6                      | 20.00   | 0.00    | 4.17  | 8.01                  | 20.00                                                                        | 8.75  | 0.00         | 0.00  | 0.00  |
| LEAD, DISSOLVED (UG/L AS PB)      | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| MANGANESE, DISSOLVED (UG/L AS MN) | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| SILVER, DISSOLVED (UG/L AS AG)    | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| ZINC, DISSOLVED (UG/L AS ZN)      | 5                      | 6.00    | 0.00    | 2.20  | 3.03                  | 6.00                                                                         | 5.50  | 0.00         | 0.00  | 0.00  |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 5                      | 1.00    | 0.00    | 0.40  | 0.55                  | 1.00                                                                         | 1.00  | 0.00         | 0.00  | 0.00  |
| MERCURY, DISSOLVED (UG/L AS HG)   | 5                      | 0.20    | 0.00    | 0.06  | 0.09                  | 0.20                                                                         | 0.15  | 0.00         | 0.00  | 0.00  |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293807098155301

WELL NUMBER: DX-68-22-901

LATITUDE: 293807

LONGITUDE: 0981553

WELL DEPTH: 255.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 9                      | 23.00   | 22.00   | 22.51  | 0.36               | 23.00                                                                     | 22.80  | 22.50     | 22.25  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 9                      | 533.00  | 500.00  | 512.78 | 11.16              | 533.00                                                                    | 522.50 | 512.00    | 503.50 | 500.00 |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL) (MG/L)  | 1                      | 11.00   | 11.00   |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 9                      | 7.50    | 6.80    | 7.12   | 0.22               | 7.50                                                                      | 7.30   | 7.10      | 6.95   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 7                      | 58.00   | 15.00   | 35.14  | 15.26              | 58.00                                                                     | 48.00  | 38.00     | 19.00  | 15.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 9                      | 250.00  | 238.00  | 246.33 | 3.74               | 250.00                                                                    | 250.00 | 246.00    | 245.50 | 238.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 7                      | 300.00  | 290.00  | 298.43 | 3.74               | 300.00                                                                    | 300.00 | 300.00    | 299.00 | 290.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                     | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 7                      | 3.00    | 2.00    | 2.37   | 0.39               | 3.00                                                                      | 2.80   | 2.30      | 2.00   | 2.00   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 6                      | 0.67    | 0.00    | 0.29   | 0.24               | 0.67                                                                      | 0.47   | 0.27      | 0.08   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 9                      | 0.06    | 0.00    | 0.01   | 0.02               | 0.06                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 7                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 6                      | 2.20    | 1.80    | 1.97   | 0.16               | 2.20                                                                      | 2.13   | 1.95      | 1.80   | 1.80   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 9                      | 2.20    | 1.80    | 1.96   | 0.17               | 2.20                                                                      | 2.15   | 1.90      | 1.80   | 1.80   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 9                      | 0.08    | 0.00    | 0.02   | 0.03               | 0.08                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)         | 1                      | 2.30    | 2.30    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 7                      | 11.00   | 0.10    | 3.67   | 4.72               | 11.00                                                                     | 9.40   | 0.40      | 0.20   | 0.10   |
| HARDNESS (MG/L AS CaCO3)                  | 9                      | 270.00  | 240.00  | 257.78 | 8.33               | 270.00                                                                    | 260.00 | 260.00    | 255.00 | 240.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 9                      | 18.00   | 0.00    | 12.67  | 6.91               | 18.00                                                                     | 17.50  | 16.00     | 7.00   | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 9                      | 87.00   | 78.00   | 84.44  | 3.21               | 87.00                                                                     | 86.50  | 86.00     | 82.50  | 78.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 9                      | 12.00   | 11.00   | 11.56  | 0.53               | 12.00                                                                     | 12.00  | 12.00     | 11.00  | 11.00  |
| SODIUM, DISSOLVED (MG/L AS NA)            | 8                      | 6.50    | 4.50    | 5.68   | 0.65               | 6.50                                                                      | 6.20   | 5.70      | 5.30   | 4.50   |
| SODIUM ADSORPTION RATIO                   | 8                      | 0.20    | 0.10    | 0.15   | 0.05               | 0.20                                                                      | 0.20   | 0.15      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 8                      | 3.60    | 0.80    | 1.34   | 0.92               | 3.60                                                                      | 1.17   | 1.05      | 0.93   | 0.80   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 9                      | 11.00   | 8.40    | 9.78   | 0.83               | 11.00                                                                     | 10.50  | 9.70      | 9.30   | 8.40   |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 9                      | 14.00   | 3.60    | 9.36   | 2.77               | 14.00                                                                     | 10.50  | 9.70      | 8.35   | 3.60   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 7                      | 0.20    | 0.10    | 0.11   | 0.04               | 0.20                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 8                      | 12.00   | 11.00   | 11.63  | 0.52               | 12.00                                                                     | 12.00  | 12.00     | 11.00  | 11.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML) | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 3                      | 0.10    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 8                      | 289.00  | 268.00  | 281.50 | 6.78               | 289.00                                                                    | 287.00 | 283.00    | 277.25 | 268.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 6                      | 0.39    | 0.36    | 0.38   | 0.01               | 0.39                                                                      | 0.39   | 0.38      | 0.38   | 0.36   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293807098155301

WELL NUMBER: DX-68-22-901

LATITUDE: 293807

LONGITUDE: 0981553

WELL DEPTH: 255.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |      |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 8                      | 1.00    | 0.00    | 0.38  | 0.52                  | 1.00                                                                         | 1.00  | 0.00         | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 7                      | 100.00  | 0.00    | 35.86 | 30.44                 | 100.00                                                                       | 31.00 | 30.00        | 30.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 9                      | 1.00    | 0.00    | 0.11  | 0.33                  | 1.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 9                      | 10.00   | 0.00    | 2.22  | 4.41                  | 10.00                                                                        | 5.00  | 0.00         | 0.00  | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 8                      | 30.00   | 0.00    | 5.38  | 10.11                 | 30.00                                                                        | 4.50  | 2.50         | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 8                      | 20.00   | 0.00    | 5.25  | 7.78                  | 20.00                                                                        | 11.50 | 0.00         | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 8                      | 4.00    | 0.00    | 1.13  | 1.55                  | 4.00                                                                         | 2.50  | 0.50         | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 2                      | 170.00  | 170.00  |       |                       |                                                                              |       |              |       |      |
| VANADIUM, DISSOLVED (UG/L AS V)       | 1                      | 1.90    | 1.90    |       |                       |                                                                              |       |              |       |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 8                      | 15.00   | 0.00    | 4.88  | 5.79                  | 15.00                                                                        | 9.50  | 3.00         | 0.00  | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| ALDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| LINDANE, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| CHLORDANE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| DDD, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| DDE, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| DDT, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| DIELDRIN, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| ENDOSULFAN, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| ENDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| ETHION, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| TOXAPHENE, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| HEPTACHLOR, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| PCB, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| TRITHION, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| METHYL TRITHION, TOTAL (UG/L)         | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 8                      | 0.50    | 0.00    | 0.10  | 0.18                  | 0.50                                                                         | 0.18  | 0.00         | 0.00  | 0.00 |

TABLE 3--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293446098165001

WELL NUMBER: DX-68-22-902

LATITUDE: 293446

LONGITUDE: 0981650

WELL DEPTH: 240.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 8                      | 23.00   | 22.00   | 22.40  | 0.33               | 23.00                                                                     | 22.50  | 22.50     | 22.05  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 8                      | 535.00  | 485.00  | 514.12 | 14.11              | 535.00                                                                    | 519.25 | 516.50    | 509.25 | 485.00 |
| PH (UNITS)                                  | 8                      | 7.40    | 6.90    | 7.09   | 0.16               | 7.40                                                                      | 7.17   | 7.05      | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 6                      | 48.00   | 18.00   | 37.83  | 11.63              | 48.00                                                                     | 46.50  | 42.00     | 27.75  | 18.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 8                      | 254.00  | 235.00  | 243.38 | 6.65               | 254.00                                                                    | 249.00 | 243.00    | 238.00 | 235.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 6                      | 310.00  | 287.00  | 296.17 | 8.73               | 310.00                                                                    | 302.50 | 295.00    | 289.25 | 287.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 4                      | 2.90    | 2.20    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5                      | 0.88    | 0.32    | 0.51   | 0.24               | 0.88                                                                      | 0.76   | 0.40      | 0.32   | 0.32   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 8                      | 0.06    | 0.00    | 0.01   | 0.02               | 0.06                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 6                      | 0.10    | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.04   | 0.01      | 0.01   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 5                      | 2.10    | 1.80    | 1.98   | 0.13               | 2.10                                                                      | 2.10   | 2.00      | 1.85   | 1.80   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 6                      | 2.00    | 1.70    | 1.87   | 0.10               | 2.00                                                                      | 1.93   | 1.90      | 1.78   | 1.70   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 8                      | 0.13    | 0.00    | 0.03   | 0.04               | 0.13                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 1                      | 2.80    | 2.80    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 5                      | 5.50    | 0.00    | 1.14   | 2.44               | 5.50                                                                      | 2.80   | 0.10      | 0.00   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 8                      | 270.00  | 250.00  | 258.75 | 6.41               | 270.00                                                                    | 260.00 | 260.00    | 252.50 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 8                      | 29.00   | 10.00   | 16.37  | 6.48               | 29.00                                                                     | 18.75  | 17.50     | 10.00  | 10.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 8                      | 87.00   | 81.00   | 84.62  | 2.39               | 87.00                                                                     | 86.00  | 86.00     | 81.75  | 81.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 8                      | 12.00   | 11.00   | 11.75  | 0.46               | 12.00                                                                     | 12.00  | 12.00     | 11.25  | 11.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 7                      | 6.30    | 5.50    | 5.86   | 0.33               | 6.30                                                                      | 6.10   | 5.90      | 5.50   | 5.50   |
| SODIUM ADSORPTION RATIO                     | 7                      | 0.20    | 0.10    | 0.19   | 0.04               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 7                      | 1.00    | 0.80    | 0.93   | 0.08               | 1.00                                                                      | 1.00   | 0.90      | 0.90   | 0.80   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 8                      | 17.00   | 8.40    | 11.52  | 2.72               | 17.00                                                                     | 13.00  | 10.50     | 9.90   | 8.40   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 8                      | 13.00   | 0.70    | 9.74   | 4.31               | 13.00                                                                     | 13.00  | 11.50     | 7.40   | 0.70   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 6                      | 0.30    | 0.10    | 0.13   | 0.08               | 0.30                                                                      | 0.15   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 7                      | 12.00   | 11.00   | 11.29  | 0.49               | 12.00                                                                     | 12.00  | 11.00     | 11.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 7                      | 396.00  | 279.00  | 297.57 | 43.49              | 396.00                                                                    | 286.00 | 280.00    | 279.00 | 279.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 2                      | 0.39    | 0.34    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 2                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293446098165001

WELL NUMBER: DX-68-22-902

LATITUDE: 293446

LONGITUDE: 0981650

WELL DEPTH: 240.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |       |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|-------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5     |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 7                      | 1.00    | 0.00    | 0.71  | 0.49                  | 1.00                                                                         | 1.00  | 1.00         | 0.00  | 0.00  |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 100.00  | 29.00   | 41.50 | 28.66                 | 100.00                                                                       | 47.50 | 30.00        | 29.75 | 29.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| COBALT, DISSOLVED (UG/L AS CO)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 20.00   | 0.00    | 6.43  | 9.45                  | 20.00                                                                        | 20.00 | 0.00         | 0.00  | 0.00  |
| LEAD, DISSOLVED (UG/L AS PB)      | 7                      | 3.00    | 0.00    | 0.43  | 1.13                  | 3.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| MANGANESE, DISSOLVED (UG/L AS MN) | 7                      | 1.00    | 0.00    | 0.29  | 0.49                  | 1.00                                                                         | 1.00  | 0.00         | 0.00  | 0.00  |
| NICKEL, DISSOLVED (UG/L AS NI)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 1.40    | 1.40    |       |                       |                                                                              |       |              |       |       |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 3.00    | 0.00    | 0.86  | 1.46                  | 3.00                                                                         | 3.00  | 0.00         | 0.00  | 0.00  |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |       |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00  |
| MERCURY, DISSOLVED (UG/L AS HG)   | 7                      | 0.20    | 0.00    | 0.06  | 0.08                  | 0.20                                                                         | 0.10  | 0.00         | 0.00  | 0.00  |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294300098080001

WELL NUMBER: DX-68-23-301 (COMAL SPRINGS)

LATITUDE: 294300

LONGITUDE: 0980800

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 38          | 24.00                  | 22.00   | 23.44  | 0.43               | 24.00                                                                     | 23.62  | 23.50     | 23.00  | 22.95  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 40          | 547.00                 | 471.00  | 516.97 | 17.25              | 542.90                                                                    | 528.00 | 518.50    | 509.00 | 479.10 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 1           | 0.70                   | 0.70    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 39          | 7.60                   | 6.50    | 7.21   | 0.26               | 7.60                                                                      | 7.40   | 7.20      | 7.10   | 6.50   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 37          | 149.00                 | 11.00   | 33.81  | 30.92              | 143.60                                                                    | 36.00  | 23.00     | 18.00  | 11.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 39          | 246.00                 | 212.00  | 232.41 | 6.38               | 241.00                                                                    | 235.00 | 233.00    | 230.00 | 213.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 37          | 300.00                 | 258.00  | 283.03 | 7.72               | 294.60                                                                    | 286.50 | 284.00    | 280.00 | 259.80 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 37          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                       | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 9           | 2.50                   | 0.83    | 2.07   | 0.52               | 2.50                                                                      | 2.45   | 2.20      | 1.90   | 0.83   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 8           | 0.42                   | 0.00    | 0.23   | 0.16               | 0.42                                                                      | 0.38   | 0.29      | 0.06   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 12          | 0.44                   | 0.00    | 0.05   | 0.13               | 0.44                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 9           | 0.02                   | 0.00    | 0.00   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 8           | 2.20                   | 0.81    | 1.78   | 0.42               | 2.20                                                                      | 2.00   | 1.80      | 1.80   | 0.81   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 15          | 2.20                   | 0.76    | 1.66   | 0.42               | 2.20                                                                      | 1.90   | 1.80      | 1.60   | 0.76   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 14          | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 10          | 19.00                  | 0.00    | 4.15   | 6.17               | 19.00                                                                     | 5.75   | 1.45      | 0.38   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 33          | 270.00                 | 220.00  | 259.33 | 10.71              | 270.00                                                                    | 270.00 | 260.00    | 254.00 | 234.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 33          | 38.00                  | 0.00    | 26.97  | 6.59               | 35.20                                                                     | 31.00  | 28.00     | 24.00  | 11.20  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 20          | 83.00                  | 75.00   | 79.25  | 2.34               | 82.95                                                                     | 81.00  | 79.50     | 77.25  | 75.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 20          | 17.00                  | 2.00    | 15.40  | 3.19               | 17.00                                                                     | 16.00  | 16.00     | 16.00  | 2.65   |
| SODIUM, DISSOLVED (MG/L AS Na)              | 16          | 13.00                  | 7.60    | 8.85   | 1.26               | 13.00                                                                     | 9.28   | 8.60      | 8.10   | 7.60   |
| SODIUM ADSORPTION RATIO                     | 16          | 0.40                   | 0.20    | 0.22   | 0.05               | 0.40                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 16          | 1.60                   | 1.20    | 1.35   | 0.10               | 1.60                                                                      | 1.40   | 1.30      | 1.30   | 1.20   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 40          | 19.00                  | 11.00   | 13.47  | 1.66               | 16.95                                                                     | 14.75  | 13.00     | 12.00  | 11.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 39          | 35.00                  | 20.00   | 23.28  | 2.42               | 27.00                                                                     | 24.00  | 23.00     | 22.00  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 18          | 0.40                   | 0.20    | 0.24   | 0.06               | 0.40                                                                      | 0.30   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 17          | 13.00                  | 12.00   | 12.35  | 0.49               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 12          | 39.00                  | 0.00    | 10.25  | 12.74              | 39.00                                                                     | 15.50  | 6.50      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 7           | 17.00                  | 0.00    | 2.71   | 6.34               | 17.00                                                                     | 2.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 7           | 64.00                  | 0.00    | 9.43   | 24.08              | 64.00                                                                     | 2.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 17          | 314.00                 | 288.00  | 298.53 | 6.52               | 314.00                                                                    | 302.00 | 298.00    | 294.00 | 288.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 9           | 0.43                   | 0.39    | 0.41   | 0.01               | 0.43                                                                      | 0.42   | 0.41      | 0.40   | 0.39   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294300098080001

WELL NUMBER: DX-68-23-301 (COMAL SPRINGS)

LATITUDE: 294300

LONGITUDE: 0980800

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 11                     | 1.00    | 0.00    | 0.55   | 0.52                  | 1.00                                                                         | 1.00   | 1.00         | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 9                      | 100.00  | 0.00    | 38.89  | 33.33                 | 100.00                                                                       | 50.00  | 50.00        | 0.00   | 0.00   |
| BORON, DISSOLVED (UG/L AS B)          | 1                      | 100.00  | 100.00  |        |                       |                                                                              |        |              |        |        |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 9                      | 1.00    | 0.00    | 0.11   | 0.33                  | 1.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 9                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| COBALT, DISSOLVED (UG/L AS CO)        | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| COPPER, DISSOLVED (UG/L AS CU)        | 11                     | 3.00    | 0.00    | 0.36   | 0.92                  | 3.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 15                     | 20.00   | 0.00    | 1.33   | 5.16                  | 20.00                                                                        | 0.00   | 0.00         | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 11                     | 3.00    | 0.00    | 0.27   | 0.90                  | 3.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 13                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.40    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 9                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 6                      | 660.00  | 500.00  | 590.00 | 56.57                 | 660.00                                                                       | 630.00 | 605.00       | 537.50 | 500.00 |
| VANADIUM, DISSOLVED (UG/L AS V)       | 2                      | 2.40    | 2.20    |        |                       |                                                                              |        |              |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 11                     | 50.00   | 0.00    | 6.73   | 14.72                 | 50.00                                                                        | 5.00   | 0.00         | 0.00   | 0.00   |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 9                      | 2.00    | 0.00    | 0.44   | 0.73                  | 2.00                                                                         | 1.00   | 0.00         | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ALDRIN, TOTAL (UG/L)                  | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| LINDANE, TOTAL (UG/L)                 | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| CHLORDANE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DDD, TOTAL (UG/L)                     | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| DDE, TOTAL (UG/L)                     | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| DDT, TOTAL (UG/L)                     | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| DIELDRIN, TOTAL (UG/L)                | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| ENDOSULFAN, TOTAL (UG/L)              | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| ENDRIN, TOTAL (UG/L)                  | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| ETHION, TOTAL (UG/L)                  | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| TOXAPHENE, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| HEPTACHLOR, TOTAL (UG/L)              | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| METHOXYCHLOR, TOTAL (UG/L)            | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| PCB, TOTAL (UG/L)                     | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MALATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| PARATHION, TOTAL (UG/L)               | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| DIAZINON, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYL PARATHION, TOTAL (UG/L)        | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| 2,4-D, TOTAL (UG/L)                   | 5                      | 0.16    | 0.00    | 0.03   | 0.07                  | 0.16                                                                         | 0.08   | 0.00         | 0.00   | 0.00   |
| 2,4,5-T, TOTAL (UG/L)                 | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| MIREX, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SILVEX, TOTAL (UG/L)                  | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| TRITHION, TOTAL (UG/L)                | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYL TRITHION, TOTAL (UG/L)         | 4                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MERCURY, DISSOLVED (UG/L AS HG)       | 11                     | 0.40    | 0.00    | 0.08   | 0.16                  | 0.40                                                                         | 0.10   | 0.00         | 0.00   | 0.00   |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294249098080301

WELL NUMBER: DX-68-23-303

LATITUDE: 294249

LONGITUDE: 0980803

WELL DEPTH: 1045.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 10                     | 25.00   | 23.50   | 24.03  | 0.44               | 25.00                                                                     | 24.13  | 24.00     | 23.72  | 23.50  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 10                     | 551.00  | 518.00  | 538.30 | 11.63              | 551.00                                                                    | 547.00 | 542.50    | 528.75 | 518.00 |
| PH (UNITS)                                  | 9                      | 7.40    | 6.90    | 7.19   | 0.15               | 7.40                                                                      | 7.30   | 7.20      | 7.10   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 7                      | 54.00   | 18.00   | 30.29  | 12.97              | 54.00                                                                     | 37.00  | 22.00     | 22.00  | 18.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 10                     | 240.00  | 221.00  | 231.50 | 5.19               | 240.00                                                                    | 235.00 | 230.00    | 230.00 | 221.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 8                      | 290.00  | 270.00  | 282.25 | 6.48               | 290.00                                                                    | 288.75 | 281.50    | 280.00 | 270.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 8                      | 3.10    | 1.80    | 2.31   | 0.52               | 3.10                                                                      | 2.80   | 2.20      | 1.80   | 1.80   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 7                      | 1.50    | 0.10    | 0.48   | 0.51               | 1.50                                                                      | 0.80   | 0.31      | 0.13   | 0.10   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 10                     | 0.20    | 0.00    | 0.03   | 0.06               | 0.20                                                                      | 0.03   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 8                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 7                      | 2.00    | 1.60    | 1.73   | 0.14               | 2.00                                                                      | 1.80   | 1.70      | 1.60   | 1.60   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 10                     | 2.00    | 1.60    | 1.71   | 0.13               | 2.00                                                                      | 1.80   | 1.70      | 1.60   | 1.60   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 10                     | 0.04    | 0.00    | 0.01   | 0.02               | 0.04                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)           | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 8                      | 3.50    | 0.00    | 1.23   | 1.37               | 3.50                                                                      | 2.48   | 0.65      | 0.03   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 9                      | 280.00  | 250.00  | 262.22 | 9.72               | 280.00                                                                    | 270.00 | 260.00    | 255.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 9                      | 44.00   | 15.00   | 31.22  | 9.65               | 44.00                                                                     | 41.00  | 30.00     | 24.50  | 15.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 9                      | 80.00   | 75.00   | 77.33  | 2.18               | 80.00                                                                     | 79.50  | 77.00     | 75.00  | 75.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 10                     | 19.00   | 15.00   | 16.90  | 1.10               | 19.00                                                                     | 17.25  | 17.00     | 16.00  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 9                      | 9.90    | 8.90    | 9.59   | 0.32               | 9.90                                                                      | 9.80   | 9.70      | 9.40   | 8.90   |
| SODIUM ADSORPTION RATIO                     | 9                      | 0.30    | 0.20    | 0.28   | 0.04               | 0.30                                                                      | 0.30   | 0.30      | 0.25   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 9                      | 1.70    | 1.00    | 1.39   | 0.20               | 1.70                                                                      | 1.50   | 1.40      | 1.25   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 10                     | 19.00   | 13.00   | 15.80  | 1.75               | 19.00                                                                     | 17.25  | 15.00     | 15.00  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 10                     | 34.00   | 28.00   | 30.40  | 1.90               | 34.00                                                                     | 32.00  | 30.00     | 28.75  | 28.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 8                      | 0.50    | 0.20    | 0.28   | 0.10               | 0.50                                                                      | 0.30   | 0.25      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 9                      | 13.00   | 12.00   | 12.44  | 0.53               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 9                      | 315.00  | 295.00  | 303.67 | 6.08               | 315.00                                                                    | 308.00 | 301.00    | 300.00 | 295.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 7                      | 0.43    | 0.40    | 0.41   | 0.01               | 0.43                                                                      | 0.42   | 0.41      | 0.41   | 0.40   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.10    | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294249098080301

WELL NUMBER: DX-68-23-303

LATITUDE: 294249

LONGITUDE: 0980803

WELL DEPTH: 1045.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 9                      | 1.00    | 0.00    | 0.44  | 0.53                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 8                      | 52.00   | 0.00    | 31.50 | 26.09                 | 52.00                                                                        | 50.00 | 50.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 9                      | 2.00    | 0.00    | 0.22  | 0.67                  | 2.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 9                      | 10.00   | 0.00    | 2.22  | 4.41                  | 10.00                                                                        | 5.00  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 9                      | 5.00    | 0.00    | 1.33  | 1.94                  | 5.00                                                                         | 3.00  | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 9                      | 20.00   | 0.00    | 2.22  | 6.67                  | 20.00                                                                        | 0.00  | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 9                      | 3.00    | 0.00    | 0.67  | 1.12                  | 3.00                                                                         | 1.50  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 9                      | 20.00   | 0.00    | 2.22  | 6.67                  | 20.00                                                                        | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 2                      | 2.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 2                      | 780.00  | 620.00  |       |                       |                                                                              |       |              |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)   | 1                      | 3.00    | 3.00    |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 9                      | 3.00    | 0.00    | 0.33  | 1.00                  | 3.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 2                      | 20.00   | 0.00    |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 8                      | 1.00    | 0.00    | 0.63  | 0.52                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 9                      | 0.40    | 0.00    | 0.07  | 0.14                  | 0.40                                                                         | 0.10  | 0.00         | 0.00 | 0.00 |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294050098105001 WELL NUMBER: DX-68-23-501

LATITUDE: 294050 LONGITUDE: 0981050 WELL DEPTH: 209.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                           | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 18                     | 24.50   | 23.00   | 23.28  | 0.43                  | 24.50                                                                        | 23.50  | 23.00        | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 19                     | 566.00  | 471.00  | 521.68 | 17.14                 | 566.00                                                                       | 526.00 | 521.00       | 518.00 | 471.00 |
| PH (UNITS)                                | 20                     | 7.70    | 6.90    | 7.24   | 0.26                  | 7.69                                                                         | 7.47   | 7.20         | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 20                     | 60.00   | 9.30    | 30.76  | 16.52                 | 59.80                                                                        | 46.50  | 29.50        | 15.75  | 9.43   |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 20                     | 248.00  | 210.00  | 237.05 | 8.57                  | 247.90                                                                       | 243.00 | 238.00       | 233.50 | 210.90 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 20                     | 302.00  | 256.00  | 289.05 | 10.44                 | 301.90                                                                       | 296.00 | 290.00       | 284.50 | 257.10 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 20                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 2                      | 1.54    | 1.38    |        |                       |                                                                              |        |              |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 20                     | 290.00  | 232.00  | 266.40 | 13.94                 | 290.00                                                                       | 270.00 | 265.00       | 258.50 | 233.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 20                     | 52.00   | 2.00    | 27.30  | 9.63                  | 51.50                                                                        | 30.00  | 27.50        | 22.50  | 2.90   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 3                      | 82.00   | 76.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 3                      | 16.00   | 15.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)            | 2                      | 7.60    | 7.30    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 2                      | 13.00   | 12.00   |        |                       |                                                                              |        |              |        |        |
| IRON, DISSOLVED (UG/L AS FE)              | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| MANGANESE, DISSOLVED (UG/L AS MN)         | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STRONTIUM, DISSOLVED (UG/L AS SR)         | 1                      | 480.00  | 480.00  |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 2                      | 303.00  | 290.00  |        |                       |                                                                              |        |              |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 1                      | 0.43    | 0.43    |        |                       |                                                                              |        |              |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294225098080301

WELL NUMBER: DX-68-23-601

LATITUDE: 294225

LONGITUDE: 0980803

WELL DEPTH: 365.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                           | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 6                      | 24.50   | 23.40   | 23.82  | 0.53                  | 24.50                                                                        | 24.50  | 23.50        | 23.47  | 23.40  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 6                      | 544.00  | 511.00  | 528.00 | 12.81                 | 544.00                                                                       | 538.75 | 530.50       | 514.00 | 511.00 |
| PH (UNITS)                                | 5                      | 7.30    | 6.90    | 7.16   | 0.17                  | 7.30                                                                         | 7.30   | 7.20         | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 5                      | 56.00   | 23.00   | 33.40  | 13.72                 | 56.00                                                                        | 46.00  | 29.00        | 23.00  | 23.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 6                      | 238.00  | 230.00  | 235.00 | 3.69                  | 238.00                                                                       | 238.00 | 236.50       | 230.75 | 230.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 6                      | 290.00  | 280.00  | 286.50 | 4.46                  | 290.00                                                                       | 290.00 | 288.50       | 281.50 | 280.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 3                      | 2.40    | 1.90    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 3                      | 0.45    | 0.09    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 5                      | 0.04    | 0.00    | 0.01   | 0.02                  | 0.04                                                                         | 0.02   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 3                      | 0.02    | 0.00    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 3                      | 1.90    | 1.80    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 5                      | 1.90    | 1.70    | 1.80   | 0.07                  | 1.90                                                                         | 1.85   | 1.80         | 1.75   | 1.70   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 5                      | 0.02    | 0.00    | 0.01   | 0.01                  | 0.02                                                                         | 0.02   | 0.00         | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)         | 1                      | 1.20    | 1.20    |        |                       |                                                                              |        |              |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 3                      | 11.00   | 0.00    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 6                      | 270.00  | 250.00  | 258.33 | 7.53                  | 270.00                                                                       | 262.50 | 260.00       | 250.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 6                      | 29.00   | 19.00   | 23.83  | 4.45                  | 29.00                                                                        | 28.25  | 24.00        | 19.00  | 19.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 6                      | 81.00   | 76.00   | 78.33  | 1.86                  | 81.00                                                                        | 80.25  | 78.00        | 76.75  | 76.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 6                      | 16.00   | 15.00   | 15.33  | 0.52                  | 16.00                                                                        | 16.00  | 15.00        | 15.00  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 5                      | 9.00    | 7.40    | 8.36   | 0.59                  | 9.00                                                                         | 8.80   | 8.50         | 7.85   | 7.40   |
| SODIUM ADSORPTION RATIO                   | 5                      | 0.20    | 0.20    | 0.20   | 0.00                  | 0.20                                                                         | 0.20   | 0.20         | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 5                      | 1.50    | 1.00    | 1.24   | 0.18                  | 1.50                                                                         | 1.40   | 1.20         | 1.10   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 6                      | 16.00   | 13.00   | 14.33  | 1.03                  | 16.00                                                                        | 15.25  | 14.00        | 13.75  | 13.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 6                      | 26.00   | 20.00   | 22.50  | 2.59                  | 26.00                                                                        | 25.25  | 22.00        | 20.00  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 4                      | 0.30    | 0.20    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 5                      | 13.00   | 12.00   | 12.20  | 0.45                  | 13.00                                                                        | 12.50  | 12.00        | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML) | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 3                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 3                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)        | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 2                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 5                      | 303.00  | 286.00  | 294.20 | 6.14                  | 303.00                                                                       | 299.50 | 293.00       | 289.50 | 286.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 5                      | 0.41    | 0.39    | 0.40   | 0.01                  | 0.41                                                                         | 0.41   | 0.40         | 0.40   | 0.39   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1                      | 0.10    | 0.10    |        |                       |                                                                              |        |              |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294225098080301

WELL NUMBER: DX-68-23-601

LATITUDE: 294225

LONGITUDE: 0980803

WELL DEPTH: 365.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |      |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |      |      |
|---------------------------------------|------------------------|---------|---------|------|--------------------|---------------------------------------------------------------------------|-------|-----------|------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 5                      | 1.00    | 0.00    | 0.60 | 0.55               | 1.00                                                                      | 1.00  | 1.00      | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 4                      | 50.00   | 0.00    |      |                    |                                                                           |       |           |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 5                      | 2.00    | 0.00    | 0.33 | 0.82               | 2.00                                                                      | 0.50  | 0.00      | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 5                      | 0.00    | 0.00    | 0.00 | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 2                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 5                      | 2.00    | 0.00    | 0.80 | 1.10               | 2.00                                                                      | 2.00  | 0.00      | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 5                      | 20.00   | 0.00    | 4.00 | 8.94               | 20.00                                                                     | 10.00 | 0.00      | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 5                      | 3.00    | 0.00    | 0.80 | 1.30               | 3.00                                                                      | 2.00  | 0.00      | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 5                      | 0.00    | 0.00    | 0.00 | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 2.00    | 2.00    |      |                    |                                                                           |       |           |      |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 4                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 2                      | 550.00  | 410.00  |      |                    |                                                                           |       |           |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 5                      | 0.00    | 0.00    | 0.00 | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 4                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |      |                    |                                                                           |       |           |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 5                      | 0.10    | 0.00    | 0.02 | 0.04               | 0.10                                                                      | 0.05  | 0.00      | 0.00 | 0.00 |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294206098090101

WELL NUMBER: DX-68-23-602

LATITUDE: 294206

LONGITUDE: 0980901

WELL DEPTH: 790.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                  | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|--------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                            | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                        | 8                      | 24.00   | 22.50   | 23.19  | 0.46                  | 24.00                                                                        | 23.50  | 23.00        | 23.00  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)               | 8                      | 545.00  | 518.00  | 537.75 | 8.96                  | 545.00                                                                       | 543.75 | 541.00       | 534.00 | 518.00 |
| PH (UNITS)                                 | 7                      | 7.40    | 6.90    | 7.17   | 0.16                  | 7.40                                                                         | 7.30   | 7.20         | 7.10   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)    | 5                      | 58.00   | 19.00   | 33.80  | 15.27                 | 58.00                                                                        | 48.00  | 30.00        | 21.50  | 19.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)           | 8                      | 250.00  | 238.00  | 244.50 | 4.63                  | 250.00                                                                       | 249.00 | 246.00       | 240.00 | 238.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)         | 6                      | 305.00  | 290.00  | 299.17 | 4.92                  | 305.00                                                                       | 301.25 | 300.00       | 297.50 | 290.00 |
| CARBONATE FET-FLD (MG/L AS CO3)            | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                | 7                      | 3.40    | 2.10    | 2.56   | 0.47                  | 3.40                                                                         | 3.00   | 2.30         | 2.30   | 2.10   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)        | 6                      | 1.60    | 0.12    | 0.61   | 0.55                  | 1.60                                                                         | 1.08   | 0.38         | 0.26   | 0.12   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)        | 8                      | 0.19    | 0.00    | 0.04   | 0.07                  | 0.19                                                                         | 0.06   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)        | 7                      | 0.02    | 0.00    | 0.01   | 0.01                  | 0.02                                                                         | 0.02   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)        | 6                      | 2.00    | 1.80    | 1.92   | 0.08                  | 2.00                                                                         | 2.00   | 1.90         | 1.88   | 1.80   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)        | 8                      | 2.00    | 1.70    | 1.88   | 0.10                  | 2.00                                                                         | 1.98   | 1.90         | 1.80   | 1.70   |
| PHOSPHORUS, TOTAL (MG/L AS P)              | 8                      | 0.04    | 0.00    | 0.02   | 0.02                  | 0.04                                                                         | 0.04   | 0.01         | 0.00   | 0.00   |
| CARBON, ORGANIC TOTAL (MG/L AS C)          | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)      | 7                      | 5.50    | 0.00    | 1.61   | 2.13                  | 5.50                                                                         | 3.60   | 0.40         | 0.00   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                   | 8                      | 280.00  | 250.00  | 265.00 | 9.26                  | 280.00                                                                       | 270.00 | 265.00       | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)        | 8                      | 32.00   | 7.00    | 21.63  | 7.67                  | 32.00                                                                        | 28.00  | 21.50        | 17.75  | 7.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)            | 8                      | 85.00   | 80.00   | 82.25  | 2.05                  | 85.00                                                                        | 84.00  | 82.50        | 80.00  | 80.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)          | 8                      | 16.00   | 13.00   | 14.63  | 0.92                  | 16.00                                                                        | 15.00  | 15.00        | 14.00  | 13.00  |
| SODIUM, DISSOLVED (MG/L AS Na)             | 8                      | 8.30    | 6.60    | 7.55   | 0.61                  | 8.30                                                                         | 8.13   | 7.55         | 6.98   | 6.60   |
| SODIUM ADSORPTION RATIO                    | 8                      | 0.20    | 0.20    | 0.20   | 0.00                  | 0.20                                                                         | 0.20   | 0.20         | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)           | 8                      | 1.40    | 1.10    | 1.24   | 0.09                  | 1.40                                                                         | 1.30   | 1.20         | 1.20   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)           | 8                      | 15.00   | 7.40    | 12.05  | 2.14                  | 15.00                                                                        | 13.00  | 12.00        | 12.00  | 7.40   |
| SULFATE, DISSOLVED (MG/L AS SO4)           | 8                      | 23.00   | 15.00   | 18.25  | 3.11                  | 23.00                                                                        | 20.75  | 18.00        | 15.25  | 15.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)            | 7                      | 0.60    | 0.20    | 0.26   | 0.15                  | 0.60                                                                         | 0.20   | 0.20         | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)           | 8                      | 13.00   | 11.00   | 12.00  | 0.53                  | 13.00                                                                        | 12.00  | 12.00        | 12.00  | 11.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)      | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML)  | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)   | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR(COLS./100 ML) | 5                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)         | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)     | 2                      | 0.10    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)   | 8                      | 307.00  | 285.00  | 295.00 | 7.67                  | 307.00                                                                       | 300.25 | 297.00       | 287.25 | 285.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)         | 6                      | 0.42    | 0.39    | 0.40   | 0.01                  | 0.42                                                                         | 0.41   | 0.41         | 0.39   | 0.39   |
| BROMIDE, DISSOLVED (MG/L AS BR)            | 1                      | 0.30    | 0.30    |        |                       |                                                                              |        |              |        |        |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294206098090101

WELL NUMBER: DX-68-23-602

LATITUDE: 294206

LONGITUDE: 0980901

WELL DEPTH: 790.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |       |      |
|---------------------------------------|------------------------|---------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|-------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 8                      | 1.00    | 0.00    | 0.38  | 0.52               | 1.00                                                                      | 1.00  | 0.00      | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 7                      | 40.00   | 0.00    | 34.14 | 15.06              | 40.00                                                                     | 40.00 | 40.00     | 39.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 9                      | 2.00    | 0.00    | 0.22  | 0.67               | 2.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 9                      | 10.00   | 0.00    | 2.22  | 4.41               | 10.00                                                                     | 5.00  | 0.00      | 0.00  | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| COPPER, DISSOLVED (UG/L AS CU)        | 8                      | 5.00    | 0.00    | 2.13  | 1.96               | 5.00                                                                      | 3.75  | 2.50      | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 8                      | 4.00    | 0.00    | 0.63  | 1.41               | 4.00                                                                      | 0.75  | 0.00      | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 8                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 2                      | 410.00  | 410.00  |       |                    |                                                                           |       |           |       |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 8                      | 4.00    | 0.00    | 0.50  | 1.41               | 4.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 1.00    | 0.00    | 0.14  | 0.38               | 1.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 8                      | 0.40    | 0.00    | 0.10  | 0.15               | 0.40                                                                      | 0.20  | 0.00      | 0.00  | 0.00 |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293900098130001

WELL NUMBER: DX-68-23-701

LATITUDE: 293900

LONGITUDE: 0981300

WELL DEPTH: 300.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT               | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-----------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                         | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                     | 23                     | 32.00   | 22.00   | 23.48  | 1.92               | 30.40                                                                     | 23.50  | 23.00     | 23.00  | 22.00  |
| SPECIFIC CONDUCTANCE (UMHOS)            | 24                     | 563.00  | 485.00  | 538.17 | 18.15              | 562.75                                                                    | 549.00 | 543.00    | 526.25 | 492.75 |
| PH (UNITS)                              | 24                     | 7.90    | 7.10    | 7.36   | 0.18               | 7.82                                                                      | 7.47   | 7.40      | 7.20   | 7.10   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2) | 24                     | 40.00   | 5.60    | 21.15  | 7.93               | 39.00                                                                     | 27.75  | 19.00     | 15.75  | 6.95   |
| ALKALINITY FIELD (MG/L AS CaCO3)        | 24                     | 256.00  | 215.00  | 233.17 | 8.36               | 253.50                                                                    | 237.50 | 233.00    | 230.00 | 216.25 |
| BICARBONATE FET-FLD (MG/L AS HCO3)      | 24                     | 312.00  | 262.00  | 284.33 | 10.18              | 309.00                                                                    | 289.50 | 284.00    | 280.00 | 263.50 |
| CARBONATE FET-FLD (MG/L AS CO3)         | 24                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                | 24                     | 280.00  | 220.00  | 255.83 | 12.55              | 278.50                                                                    | 261.50 | 257.00    | 252.00 | 223.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)     | 24                     | 54.00   | 0.00    | 23.33  | 12.51              | 51.00                                                                     | 31.00  | 21.50     | 14.50  | 1.50   |
| CALCIUM, DISSOLVED (MG/L AS Ca)         | 2                      | 60.00   | 55.00   |        |                    |                                                                           |        |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)       | 2                      | 29.00   | 28.00   |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)        | 24                     | 28.00   | 14.00   | 22.62  | 2.93               | 27.50                                                                     | 24.00  | 23.00     | 22.00  | 14.50  |
| SULFATE, DISSOLVED (MG/L AS SO4)        | 24                     | 40.00   | 2.40    | 22.82  | 8.45               | 38.75                                                                     | 29.50  | 21.50     | 18.00  | 4.10   |

TABLE 3.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, COMAL COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293957098101701 WELL NUMBER: DX-68-23-807

LATITUDE: 293957 LONGITUDE: 0981017 WELL DEPTH: 515.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |         |         |
|-------------------------------------------|------------------------|---------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|---------|---------|
|                                           | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25      | 5       |
| TEMPERATURE (DEG C)                       | 10                     | 24.50   | 21.50   | 23.40   | 1.13               | 24.50                                                                     | 24.12   | 24.00     | 22.62   | 21.50   |
| SPECIFIC CONDUCTANCE (UMHOS)              | 28                     | 3560.00 | 2930.00 | 3170.00 | 142.57             | 3560.00                                                                   | 3190.00 | 3170.00   | 3100.00 | 2930.00 |
| PH (UNITS)                                | 28                     | 8.40    | 7.00    | 7.29    | 0.36               | 8.40                                                                      | 7.30    | 7.20      | 7.10    | 7.00    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 28                     | 64.00   | 2.20    | 38.37   | 18.26              | 64.00                                                                     | 54.00   | 37.00     | 30.00   | 2.20    |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 28                     | 349.00  | 243.00  | 310.86  | 35.32              | 349.00                                                                    | 344.00  | 325.00    | 289.00  | 243.00  |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 28                     | 426.00  | 296.00  | 379.14  | 43.18              | 426.00                                                                    | 420.00  | 396.00    | 352.00  | 296.00  |
| CARBONATE FET-FLD (MG/L AS CO3)           | 28                     | 0.00    | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 4                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 2                      | 0.00    | 0.00    |         |                    |                                                                           |         |           |         |         |
| HARDNESS (MG/L AS CaCO3)                  | 28                     | 940.00  | 860.00  | 900.79  | 25.03              | 940.00                                                                    | 915.00  | 899.00    | 876.00  | 860.00  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 28                     | 672.00  | 532.00  | 589.71  | 40.83              | 672.00                                                                    | 621.00  | 585.00    | 555.00  | 532.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 4                      | 165.00  | 150.00  |         |                    |                                                                           |         |           |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 4                      | 120.00  | 113.00  |         |                    |                                                                           |         |           |         |         |
| SODIUM, DISSOLVED (MG/L AS Na)            | 2                      | 450.00  | 450.00  |         |                    |                                                                           |         |           |         |         |
| SODIUM ADSORPTION RATIO                   | 4                      | 6.70    | 5.60    |         |                    |                                                                           |         |           |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 2                      | 24.00   | 24.00   |         |                    |                                                                           |         |           |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 28                     | 740.00  | 600.00  | 625.00  | 35.01              | 740.00                                                                    | 630.00  | 615.00    | 610.00  | 600.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 28                     | 550.00  | 476.00  | 513.71  | 25.99              | 550.00                                                                    | 540.00  | 507.00    | 492.00  | 476.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 4                      | 3.40    | 3.00    |         |                    |                                                                           |         |           |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 4                      | 12.00   | 11.00   |         |                    |                                                                           |         |           |         |         |
| IRON, DISSOLVED (UG/L AS FE)              | 1                      | 980.00  | 980.00  |         |                    |                                                                           |         |           |         |         |
| MANGANESE, DISSOLVED (UG/L AS MN)         | 1                      | 30.00   | 30.00   |         |                    |                                                                           |         |           |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 4                      | 2250.00 | 1970.00 |         |                    |                                                                           |         |           |         |         |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 2                      | 2.68    | 2.68    |         |                    |                                                                           |         |           |         |         |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS

STATION NUMBER: 300510097504001

WELL NUMBER: LR-58-58-403

LATITUDE: 300510

LONGITUDE: 0975040

WELL DEPTH: 390.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

[DEG C, degree Celsius; UMHOS, micromho per centimeter at 25° Celsius; MG/L, milligram per liter;  
COLS./100 ML, colonies per 100 milliliters; TONS PER AC-FT, tons per acre-foot; UG/L, microgram per liter]

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 24          | 24.50                  | 21.00   | 22.46  | 0.71               | 24.12                                                                     | 23.00  | 22.50     | 22.00  | 21.12  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 26          | 662.00                 | 544.00  | 574.19 | 21.06              | 636.80                                                                    | 582.25 | 571.00    | 561.00 | 547.85 |
| PH (UNITS)                                  | 26          | 8.00                   | 6.90    | 7.27   | 0.24               | 7.86                                                                      | 7.40   | 7.30      | 7.08   | 6.93   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 24          | 62.00                  | 5.10    | 29.96  | 14.26              | 59.75                                                                     | 40.75  | 26.00     | 21.00  | 7.07   |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 26          | 274.00                 | 254.00  | 266.54 | 4.38               | 272.95                                                                    | 270.25 | 266.50    | 265.50 | 255.75 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 24          | 334.00                 | 310.00  | 324.58 | 5.26               | 333.00                                                                    | 329.50 | 324.00    | 322.50 | 311.50 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 24          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 6           | 2.30                   | 0.62    | 1.69   | 0.60               | 2.30                                                                      | 2.15   | 1.80      | 1.28   | 0.62   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5           | 0.65                   | 0.01    | 0.31   | 0.25               | 0.65                                                                      | 0.54   | 0.34      | 0.07   | 0.01   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 7           | 0.17                   | 0.00    | 0.06   | 0.06               | 0.17                                                                      | 0.09   | 0.04      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 6           | 1.60                   | 0.09    | 1.25   | 0.58               | 1.60                                                                      | 1.60   | 1.45      | 1.00   | 0.09   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 8           | 1.60                   | 0.11    | 1.36   | 0.51               | 1.60                                                                      | 1.60   | 1.54      | 1.43   | 0.11   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 8           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 6           | 14.00                  | 0.40    | 3.75   | 5.14               | 14.00                                                                     | 5.83   | 2.05      | 0.78   | 0.40   |
| HARDNESS (MG/L AS CaCO3)                    | 23          | 310.00                 | 280.00  | 295.52 | 9.37               | 310.00                                                                    | 302.00 | 298.00    | 286.00 | 280.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 23          | 42.00                  | 5.00    | 28.91  | 9.82               | 42.00                                                                     | 36.00  | 31.00     | 22.00  | 6.40   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 10          | 80.00                  | 69.00   | 74.60  | 3.13               | 80.00                                                                     | 76.50  | 74.50     | 72.75  | 69.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 10          | 26.00                  | 25.00   | 25.40  | 0.52               | 26.00                                                                     | 26.00  | 25.00     | 25.00  | 25.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 8           | 6.50                   | 5.50    | 6.01   | 0.34               | 6.50                                                                      | 6.33   | 6.05      | 5.73   | 5.50   |
| SODIUM ADSORPTION RATIO                     | 8           | 0.20                   | 0.10    | 0.16   | 0.05               | 0.20                                                                      | 0.20   | 0.20      | 0.10   | 0.10   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 8           | 1.30                   | 0.80    | 1.16   | 0.15               | 1.30                                                                      | 1.20   | 1.20      | 1.20   | 0.80   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 26          | 14.00                  | 8.50    | 10.47  | 1.50               | 13.65                                                                     | 12.00  | 10.00     | 9.07   | 8.60   |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 26          | 31.00                  | 22.00   | 27.27  | 2.13               | 30.65                                                                     | 29.00  | 27.50     | 26.00  | 22.35  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 8           | 0.80                   | 0.50    | 0.56   | 0.11               | 0.80                                                                      | 0.60   | 0.50      | 0.50   | 0.50   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 8           | 12.00                  | 10.00   | 10.87  | 0.64               | 12.00                                                                     | 11.00  | 11.00     | 10.25  | 10.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 4           | 4.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 3           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 8           | 330.00                 | 311.00  | 318.00 | 6.41               | 330.00                                                                    | 321.75 | 317.50    | 311.75 | 311.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 5           | 0.46                   | 0.42    | 0.44   | 0.02               | 0.46                                                                      | 0.45   | 0.43      | 0.43   | 0.42   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.30                   | 0.30    |        |                    |                                                                           |        |           |        |        |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 300510097504001

WELL NUMBER: LR-58-58-403

LATITUDE: 300510

LONGITUDE: 0975040

WELL DEPTH: 390.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |          |          |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |       |      |
|---------------------------------------|------------------------|----------|----------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|-------|------|
|                                       | SAMPLE SIZE            | MAXIMUM  | MINIMUM  | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 6                      | 1.00     | 0.00     | 0.67   | 0.52               | 1.00                                                                      | 1.00   | 1.00      | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 5                      | 200.00   | 0.00     | 116.00 | 74.03              | 200.00                                                                    | 170.00 | 140.00    | 50.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 6                      | 0.00     | 0.00     | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 6                      | 10.00    | 0.00     | 1.67   | 4.08               | 10.00                                                                     | 2.50   | 0.00      | 0.00  | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)        | 6                      | 13.00    | 0.00     | 3.17   | 4.92               | 13.00                                                                     | 4.75   | 2.00      | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 7                      | 11.00    | 0.00     | 2.29   | 4.27               | 11.00                                                                     | 5.00   | 0.00      | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 6                      | 24.00    | 0.00     | 5.33   | 9.37               | 24.00                                                                     | 9.75   | 1.50      | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 7                      | 4.00     | 0.00     | 0.57   | 1.51               | 4.00                                                                      | 0.00   | 0.00      | 0.00  | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)        | 6                      | 0.00     | 0.00     | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00  | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 1                      | 12100.00 | 12100.00 |        |                    |                                                                           |        |           |       |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 6                      | 12.00    | 0.00     | 4.83   | 4.88               | 12.00                                                                     | 9.75   | 4.00      | 0.00  | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 6                      | 0.00     | 0.00     | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00  | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| ALDRIN, TOTAL (UG/L)                  | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| LINDANE, TOTAL (UG/L)                 | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| CHLORDANE, TOTAL (UG/L)               | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| DDD, TOTAL (UG/L)                     | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| DDE, TOTAL (UG/L)                     | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| DDT, TOTAL (UG/L)                     | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| DIELDRIN, TOTAL (UG/L)                | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| ENDOSULFAN, TOTAL (UG/L)              | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| ENDRIN, TOTAL (UG/L)                  | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| ETHION, TOTAL (UG/L)                  | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| TOXAPHENE, TOTAL (UG/L)               | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| HEPTACHLOR, TOTAL (UG/L)              | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| PCB, TOTAL (UG/L)                     | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| MALATHION, TOTAL (UG/L)               | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| PARATHION, TOTAL (UG/L)               | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| DIAZINON, TOTAL (UG/L)                | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| METHYL PARATHION, TOTAL (UG/L)        | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| TRITHION, TOTAL (UG/L)                | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| METHYL TRITHION, TOTAL (UG/L)         | 2                      | 0.00     | 0.00     |        |                    |                                                                           |        |           |       |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 6                      | 0.60     | 0.00     | 0.10   | 0.24               | 0.60                                                                      | 0.15   | 0.00      | 0.00  | 0.00 |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 300209097502401

WELL NUMBER: LR-58-58-701

LATITUDE: 300209

LONGITUDE: 0975024

WELL DEPTH: 492.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 6                      | 24.00   | 23.00   | 23.25   | 0.42                  | 24.00                                                                        | 23.62   | 23.00        | 23.00   | 23.00   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 22                     | 1730.00 | 1490.00 | 1571.82 | 54.48                 | 1719.50                                                                      | 1602.50 | 1570.00      | 1530.00 | 1494.50 |
| PH (UNITS)                               | 21                     | 8.30    | 7.00    | 7.42    | 0.30                  | 8.26                                                                         | 7.55    | 7.40         | 7.25    | 7.00    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 20                     | 47.00   | 2.50    | 22.44   | 11.62                 | 46.95                                                                        | 28.50   | 21.50        | 15.00   | 2.85    |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 20                     | 256.00  | 238.00  | 246.95  | 3.89                  | 255.85                                                                       | 249.00  | 246.00       | 246.00  | 238.25  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 20                     | 312.00  | 290.00  | 300.50  | 4.63                  | 311.70                                                                       | 304.00  | 300.00       | 297.00  | 290.30  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 20                     | 6.00    | 0.00    | 0.30    | 1.34                  | 5.70                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.00    | 0.00    |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 20                     | 450.00  | 354.00  | 387.60  | 21.94                 | 448.70                                                                       | 398.50  | 387.00       | 372.50  | 354.30  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 20                     | 204.00  | 112.00  | 140.85  | 21.64                 | 202.70                                                                       | 150.75  | 132.50       | 128.25  | 112.40  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 2                      | 76.00   | 73.00   |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 2                      | 42.00   | 41.00   |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 22                     | 235.00  | 197.00  | 209.32  | 9.65                  | 233.80                                                                       | 215.00  | 209.00       | 200.00  | 197.15  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 22                     | 288.00  | 237.00  | 259.05  | 15.57                 | 288.00                                                                       | 272.00  | 251.00       | 248.75  | 237.60  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 3.70    | 3.70    |         |                       |                                                                              |         |              |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 11.00   | 11.00   |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 912.00  | 912.00  |         |                       |                                                                              |         |              |         |         |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295915097525401

WELL NUMBER: LR-67-01-302

LATITUDE: 295915

LONGITUDE: 0975254

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 14          | 26.00                  | 24.00   | 24.93  | 0.47               | 26.00                                                                     | 25.00  | 25.00     | 24.50  | 24.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 14          | 713.00                 | 684.00  | 701.21 | 9.28               | 713.00                                                                    | 710.00 | 701.00    | 696.50 | 684.00 |
| PH (UNITS)                                  | 14          | 7.60                   | 7.10    | 7.33   | 0.16               | 7.60                                                                      | 7.50   | 7.30      | 7.20   | 7.10   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 12          | 36.00                  | 11.00   | 20.83  | 7.42               | 36.00                                                                     | 27.25  | 20.00     | 14.00  | 11.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 14          | 235.00                 | 180.00  | 225.57 | 13.63              | 235.00                                                                    | 231.50 | 229.00    | 226.00 | 180.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 12          | 286.00                 | 220.00  | 275.25 | 17.70              | 286.00                                                                    | 283.50 | 279.00    | 276.50 | 220.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 12          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 4           | 1.80                   | 0.50    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 4           | 1.00                   | 0.29    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 5           | 0.13                   | 0.00    | 0.06   | 0.05               | 0.13                                                                      | 0.11   | 0.05      | 0.01   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 5           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 5           | 1.40                   | 0.00    | 0.31   | 0.61               | 1.40                                                                      | 0.73   | 0.05      | 0.02   | 0.00   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 5           | 1.40                   | 0.00    | 0.30   | 0.61               | 1.40                                                                      | 0.73   | 0.05      | 0.00   | 0.00   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 5           | 14.00                  | 0.00    | 3.12   | 6.09               | 14.00                                                                     | 7.35   | 0.50      | 0.20   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 14          | 412.00                 | 314.00  | 363.14 | 30.61              | 412.00                                                                    | 381.00 | 371.00    | 327.50 | 314.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 14          | 186.00                 | 81.00   | 137.79 | 28.22              | 186.00                                                                    | 152.00 | 140.00    | 122.50 | 81.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 5           | 80.00                  | 62.00   | 66.20  | 7.76               | 80.00                                                                     | 72.00  | 63.00     | 62.00  | 62.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 5           | 41.00                  | 38.00   | 39.60  | 1.14               | 41.00                                                                     | 40.50  | 40.00     | 38.50  | 38.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 5           | 14.00                  | 8.80    | 10.24  | 2.14               | 14.00                                                                     | 11.90  | 9.50      | 8.95   | 8.80   |
| SODIUM ADSORPTION RATIO                     | 5           | 0.30                   | 0.20    | 0.26   | 0.05               | 0.30                                                                      | 0.30   | 0.30      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 4           | 2.20                   | 1.90    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 14          | 13.00                  | 10.00   | 10.86  | 0.77               | 13.00                                                                     | 11.00  | 11.00     | 10.00  | 10.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 15          | 142.00                 | 127.00  | 135.47 | 4.47               | 142.00                                                                    | 139.00 | 136.00    | 130.00 | 127.00 |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 4           | 3.60                   | 2.90    |        |                    |                                                                           |        |           |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 4           | 14.00                  | 14.00   |        |                    |                                                                           |        |           |        |        |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 4           | 434.00                 | 378.00  |        |                    |                                                                           |        |           |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 1           | 0.56                   | 0.56    |        |                    |                                                                           |        |           |        |        |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295915097525401

WELL NUMBER: LR-67-01-302

LATITUDE: 295915

LONGITUDE: 0975254

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |          |          |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|-----------------------------------|------------------------|----------|----------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                   | SAMPLE<br>SIZE         | MAXIMUM  | MINIMUM  | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 3                      | 2.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| BARIUM, DISSOLVED (UG/L AS BA)    | 3                      | 60.00    | 50.00    |      |                       |                                                                              |    |              |    |   |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 3                      | 2.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 3                      | 10.00    | 0.00     |      |                       |                                                                              |    |              |    |   |
| COPPER, DISSOLVED (UG/L AS CU)    | 3                      | 0.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| IRON, DISSOLVED (UG/L AS FE)      | 4                      | 53.00    | 0.00     |      |                       |                                                                              |    |              |    |   |
| LEAD, DISSOLVED (UG/L AS PB)      | 3                      | 0.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| MANGANESE, DISSOLVED (UG/L AS MN) | 4                      | 1.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| SILVER, DISSOLVED (UG/L AS AG)    | 3                      | 0.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 33000.00 | 33000.00 |      |                       |                                                                              |    |              |    |   |
| ZINC, DISSOLVED (UG/L AS ZN)      | 3                      | 7.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 3                      | 0.00     | 0.00     |      |                       |                                                                              |    |              |    |   |
| MERCURY, DISSOLVED (UG/L AS HG)   | 3                      | 0.20     | 0.00     |      |                       |                                                                              |    |              |    |   |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295340097544801

WELL NUMBER: LR-67-01-801 (SAN MARCOS SPRINGS)

LATITUDE: 295340

LONGITUDE: 0975448

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 19                     | 23.00   | 21.50   | 21.89  | 0.36               | 23.00                                                                     | 22.00  | 22.00     | 21.50  | 21.50  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 21                     | 625.00  | 507.00  | 575.00 | 25.38              | 624.50                                                                    | 582.50 | 577.00    | 566.00 | 510.80 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)    | 1                      | 0.40    | 0.40    |        |                    |                                                                           |        |           |        |        |
| OXYGEN DEMAND, CHEMICAL (LOW LEVEL)(MG/L)   | 1                      | 10.00   | 10.00   |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                  | 19                     | 7.60    | 6.60    | 7.11   | 0.23               | 7.60                                                                      | 7.30   | 7.10      | 7.00   | 6.60   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 17                     | 126.00  | 12.00   | 41.18  | 25.55              | 126.00                                                                    | 49.00  | 39.00     | 25.00  | 12.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 20                     | 267.00  | 246.00  | 254.60 | 6.28               | 266.95                                                                    | 258.75 | 253.00    | 250.00 | 246.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 18                     | 325.00  | 300.00  | 311.28 | 7.69               | 325.00                                                                    | 317.00 | 310.00    | 305.50 | 300.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 18                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| OIL AND GREASE (MG/L)                       | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 9                      | 2.30    | 1.50    | 1.81   | 0.28               | 2.30                                                                      | 2.00   | 1.90      | 1.55   | 1.50   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 8                      | 0.67    | 0.05    | 0.35   | 0.21               | 0.67                                                                      | 0.48   | 0.39      | 0.16   | 0.05   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 12                     | 0.09    | 0.00    | 0.03   | 0.03               | 0.09                                                                      | 0.06   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 9                      | 0.01    | 0.00    | 0.00   | 0.01               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 8                      | 1.50    | 1.10    | 1.38   | 0.13               | 1.50                                                                      | 1.48   | 1.40      | 1.33   | 1.10   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 13                     | 1.50    | 1.08    | 1.33   | 0.13               | 1.50                                                                      | 1.40   | 1.31      | 1.30   | 1.08   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 14                     | 0.04    | 0.00    | 0.01   | 0.01               | 0.04                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 10                     | 8.90    | 0.00    | 3.53   | 3.24               | 8.90                                                                      | 6.48   | 3.25      | 0.45   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 16                     | 300.00  | 270.00  | 285.00 | 8.94               | 300.00                                                                    | 290.00 | 285.00    | 280.00 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 16                     | 48.00   | 16.00   | 29.87  | 8.69               | 48.00                                                                     | 35.75  | 29.50     | 22.75  | 16.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 16                     | 90.00   | 81.00   | 84.50  | 2.58               | 90.00                                                                     | 86.00  | 84.00     | 82.00  | 81.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 16                     | 19.00   | 17.00   | 18.06  | 0.77               | 19.00                                                                     | 19.00  | 18.00     | 17.25  | 17.00  |
| SODIUM, DISSOLVED (MG/L AS NA)              | 14                     | 15.00   | 9.20    | 10.98  | 1.53               | 15.00                                                                     | 11.25  | 11.00     | 9.97   | 9.20   |
| SODIUM ADSORPTION RATIO                     | 14                     | 0.40    | 0.20    | 0.29   | 0.05               | 0.40                                                                      | 0.30   | 0.30      | 0.30   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 14                     | 2.00    | 1.40    | 1.57   | 0.20               | 2.00                                                                      | 1.63   | 1.50      | 1.40   | 1.40   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 20                     | 27.00   | 16.00   | 19.45  | 2.35               | 26.75                                                                     | 20.00  | 19.00     | 18.00  | 16.05  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 20                     | 33.00   | 20.00   | 24.25  | 2.90               | 32.80                                                                     | 25.00  | 24.00     | 22.25  | 20.05  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 14                     | 0.40    | 0.20    | 0.24   | 0.06               | 0.40                                                                      | 0.30   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 13                     | 12.00   | 10.00   | 11.00  | 0.41               | 12.00                                                                     | 11.00  | 11.00     | 11.00  | 10.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100ML)       | 12                     | 70.00   | 0.00    | 16.83  | 24.57              | 70.00                                                                     | 14.75  | 7.00      | 2.75   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 3                      | 3.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 8                      | 47.00   | 0.00    | 7.25   | 16.14              | 47.00                                                                     | 3.75   | 2.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 8                      | 65.00   | 0.00    | 12.50  | 22.43              | 65.00                                                                     | 18.25  | 2.50      | 0.25   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 3                      | 3.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 5                      | 0.10    | 0.00    | 0.02   | 0.04               | 0.10                                                                      | 0.05   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)    | 13                     | 346.00  | 310.00  | 324.69 | 10.47              | 346.00                                                                    | 332.50 | 322.00    | 316.50 | 310.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 8                      | 0.46    | 0.43    | 0.45   | 0.01               | 0.46                                                                      | 0.46   | 0.45      | 0.43   | 0.43   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.20    | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295340097544801

WELL NUMBER: LR-67-01-801 (SAN MARCOS SPRINGS)

LATITUDE: 295340

LONGITUDE: 0975448

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 9                      | 1.00    | 0.00    | 0.33   | 0.50               | 1.00                                                                      | 1.00   | 0.00      | 0.00   | 0.00   |
| BARIUM, DISSOLVED (UG/L AS BA)        | 9                      | 300.00  | 0.00    | 62.78  | 93.58              | 300.00                                                                    | 70.00  | 30.00     | 15.00  | 0.00   |
| BORON, DISSOLVED (UG/L AS B)          | 2                      | 80.00   | 10.00   |        |                    |                                                                           |        |           |        |        |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 9                      | 10.00   | 0.00    | 1.11   | 3.33               | 10.00                                                                     | 0.00   | 0.00      | 0.00   | 0.00   |
| COBALT, DISSOLVED (UG/L AS CO)        | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COPPER, DISSOLVED (UG/L AS CU)        | 10                     | 1.00    | 0.00    | 0.10   | 0.32               | 1.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| IRON, DISSOLVED (UG/L AS FE)          | 14                     | 30.00   | 0.00    | 5.00   | 10.92              | 30.00                                                                     | 2.50   | 0.00      | 0.00   | 0.00   |
| LEAD, DISSOLVED (UG/L AS PB)          | 10                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 13                     | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NICKEL, DISSOLVED (UG/L AS NI)        | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVER, DISSOLVED (UG/L AS AG)        | 9                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STRONTIUM, DISSOLVED (UG/L AS SR)     | 5                      | 620.00  | 570.00  | 596.00 | 20.74              | 620.00                                                                    | 615.00 | 600.00    | 575.00 | 570.00 |
| VANADIUM, DISSOLVED (UG/L AS V)       | 2                      | 1.30    | 1.30    |        |                    |                                                                           |        |           |        |        |
| ZINC, DISSOLVED (UG/L AS ZN)          | 10                     | 20.00   | 0.00    | 3.20   | 6.48               | 20.00                                                                     | 5.00   | 0.00      | 0.00   | 0.00   |
| ALUMINUM, DISSOLVED (UG/L AS AL)      | 2                      | 10.00   | 0.00    |        |                    |                                                                           |        |           |        |        |
| LITHIUM, DISSOLVED (UG/L AS LI)       | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 9                      | 1.00    | 0.00    | 0.33   | 0.50               | 1.00                                                                      | 1.00   | 0.00      | 0.00   | 0.00   |
| PERTHANE, TOTAL (UG/L)                | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| ALDRIN, TOTAL (UG/L)                  | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| LINDANE, TOTAL (UG/L)                 | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| CHLORDANE, TOTAL (UG/L)               | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DDD, TOTAL (UG/L)                     | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DDE, TOTAL (UG/L)                     | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DDT, TOTAL (UG/L)                     | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DIELDRIN, TOTAL (UG/L)                | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| ENDOSULFAN, TOTAL (UG/L)              | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| ENDRIN, TOTAL (UG/L)                  | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| ETHION, TOTAL (UG/L)                  | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| TOXAPHENE, TOTAL (UG/L)               | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| HEPTACHLOR, TOTAL (UG/L)              | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHOXYCHLOR, TOTAL (UG/L)            | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| PCB, TOTAL (UG/L)                     | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| MALATHION, TOTAL (UG/L)               | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| PARATHION, TOTAL (UG/L)               | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| DIAZINON, TOTAL (UG/L)                | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYL PARATHION, TOTAL (UG/L)        | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| 2,4-D, TOTAL (UG/L)                   | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| 2,4,5-T, TOTAL (UG/L)                 | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| MIREX, TOTAL (UG/L)                   | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SILVEX, TOTAL (UG/L)                  | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| TRITHION, TOTAL (UG/L)                | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYL TRITHION, TOTAL (UG/L)         | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| MERCURY, DISSOLVED (UG/L AS HG)       | 9                      | 0.40    | 0.00    | 0.08   | 0.16               | 0.40                                                                      | 0.15   | 0.00      | 0.00   | 0.00   |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295327097560401

WELL NUMBER: LR-67-01-806

LATITUDE: 295327

LONGITUDE: 0975604

WELL DEPTH: 128.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 9           | 23.00                  | 22.50   | 22.61  | 0.22               | 23.00                                                                     | 22.75  | 22.50     | 22.50  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 9           | 620.00                 | 572.00  | 600.67 | 15.31              | 620.00                                                                    | 614.00 | 604.00    | 590.00 | 572.00 |
| PH (UNITS)                                  | 8           | 7.40                   | 6.80    | 7.09   | 0.22               | 7.40                                                                      | 7.27   | 7.10      | 6.85   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 6           | 79.00                  | 21.00   | 40.33  | 20.65              | 79.00                                                                     | 51.25  | 37.00     | 24.75  | 21.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 9           | 271.00                 | 254.00  | 263.33 | 5.36               | 271.00                                                                    | 268.00 | 264.00    | 259.50 | 254.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 7           | 330.00                 | 310.00  | 320.57 | 6.29               | 330.00                                                                    | 324.00 | 322.00    | 316.00 | 310.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 7           | 5.80                   | 1.80    | 2.87   | 1.36               | 5.80                                                                      | 3.00   | 2.50      | 1.90   | 1.80   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 6           | 0.86                   | 0.00    | 0.53   | 0.29               | 0.86                                                                      | 0.75   | 0.55      | 0.37   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 9           | 0.10                   | 0.00    | 0.02   | 0.03               | 0.10                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 7           | 0.01                   | 0.00    | 0.00   | 0.01               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 6           | 2.20                   | 1.30    | 1.83   | 0.29               | 2.20                                                                      | 1.98   | 1.90      | 1.68   | 1.30   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 9           | 2.20                   | 1.30    | 1.82   | 0.24               | 2.20                                                                      | 1.90   | 1.90      | 1.75   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 9           | 0.04                   | 0.00    | 0.01   | 0.01               | 0.04                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 8           | 7.80                   | 0.00    | 1.95   | 2.57               | 7.80                                                                      | 2.68   | 1.00      | 0.18   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 9           | 300.00                 | 280.00  | 294.44 | 8.82               | 300.00                                                                    | 300.00 | 300.00    | 285.00 | 280.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 9           | 38.00                  | 20.00   | 30.89  | 7.01               | 38.00                                                                     | 37.00  | 33.00     | 24.50  | 20.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 9           | 94.00                  | 87.00   | 90.67  | 2.45               | 94.00                                                                     | 92.50  | 91.00     | 88.50  | 87.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 9           | 17.00                  | 16.00   | 16.44  | 0.53               | 17.00                                                                     | 17.00  | 16.00     | 16.00  | 16.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 8           | 13.00                  | 9.80    | 11.22  | 1.07               | 13.00                                                                     | 12.00  | 11.00     | 10.25  | 9.80   |
| SODIUM ADSORPTION RATIO                     | 8           | 0.30                   | 0.30    | 0.30   | 0.00               | 0.30                                                                      | 0.30   | 0.30      | 0.30   | 0.30   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 8           | 1.50                   | 1.20    | 1.32   | 0.10               | 1.50                                                                      | 1.40   | 1.30      | 1.22   | 1.20   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 9           | 23.00                  | 16.00   | 19.44  | 2.35               | 23.00                                                                     | 21.50  | 19.00     | 18.00  | 16.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 9           | 29.00                  | 20.00   | 24.89  | 3.14               | 29.00                                                                     | 27.50  | 25.00     | 22.00  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 8           | 0.30                   | 0.20    | 0.21   | 0.04               | 0.30                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 8           | 13.00                  | 12.00   | 12.12  | 0.35               | 13.00                                                                     | 12.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 7           | 350.00                 | 324.00  | 335.14 | 8.34               | 350.00                                                                    | 341.00 | 334.00    | 330.00 | 324.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 5           | 0.46                   | 0.44    | 0.45   | 0.01               | 0.46                                                                      | 0.46   | 0.45      | 0.45   | 0.44   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295327097560401

WELL NUMBER: LR-67-01-806

LATITUDE: 295327

LONGITUDE: 0975604

WELL DEPTH: 128.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 7                      | 1.00    | 0.00    | 0.57  | 0.53                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 7                      | 100.00  | 0.00    | 36.86 | 33.50                 | 100.00                                                                       | 40.00 | 40.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 7                      | 10.00   | 0.00    | 1.43  | 3.78                  | 10.00                                                                        | 0.00  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 1.00    | 0.00    | 0.14  | 0.38                  | 1.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 8                      | 380.00  | 0.00    | 47.88 | 134.20                | 380.00                                                                       | 2.25  | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 620.00  | 620.00  |       |                       |                                                                              |       |              |      |      |
| VANADIUM, DISSOLVED (UG/L AS V)   | 1                      | 2.20    | 2.20    |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 7.00    | 0.00    | 2.00  | 2.77                  | 7.00                                                                         | 4.00  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 7                      | 1.00    | 0.00    | 0.43  | 0.53                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 7                      | 0.40    | 0.00    | 0.06  | 0.15                  | 0.40                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |

STATION NUMBER: 295900097520001

WELL NUMBER: LR-67-02-101

LATITUDE: 295900

LONGITUDE: 0975200

WELL DEPTH: 600.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|-------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                           | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                       | 5                      | 23.50   | 22.00   | 23.00   | 0.61                  | 23.50                                                                        | 23.50   | 23.00        | 22.50   | 22.00   |
| SPECIFIC CONDUCTANCE (UMHOS)              | 13                     | 3510.00 | 3140.00 | 3270.00 | 120.76                | 3510.00                                                                      | 3355.00 | 3230.00      | 3170.00 | 3140.00 |
| PH (UNITS)                                | 13                     | 7.90    | 7.00    | 7.45    | 0.23                  | 7.90                                                                         | 7.65    | 7.40         | 7.30    | 7.00    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 13                     | 42.00   | 5.50    | 17.10   | 9.18                  | 42.00                                                                        | 20.50   | 17.00        | 9.80    | 5.50    |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 13                     | 233.00  | 198.00  | 215.62  | 9.94                  | 233.00                                                                       | 223.00  | 213.00       | 208.50  | 198.00  |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 13                     | 284.00  | 242.00  | 262.92  | 12.02                 | 284.00                                                                       | 272.00  | 260.00       | 254.00  | 242.00  |
| CARBONATE FET-FLD (MG/L AS CO3)           | 13                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| HARDNESS (MG/L AS CaCO3)                  | 13                     | 810.00  | 715.00  | 741.08  | 26.13                 | 810.00                                                                       | 751.00  | 735.00       | 720.00  | 715.00  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 13                     | 597.00  | 500.00  | 525.62  | 26.58                 | 597.00                                                                       | 538.50  | 526.00       | 505.50  | 500.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 1                      | 148.00  | 148.00  |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 1                      | 93.00   | 93.00   |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 13                     | 760.00  | 640.00  | 680.77  | 35.41                 | 760.00                                                                       | 700.00  | 680.00       | 655.00  | 640.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 13                     | 530.00  | 472.00  | 508.92  | 18.86                 | 530.00                                                                       | 527.00  | 508.00       | 501.00  | 472.00  |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 1                      | 1996.00 | 1996.00 |         |                       |                                                                              |         |              |         |         |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED TRACE CONSTITUTENTS IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295039097590301

WELL NUMBER: LR-67-09-105

LATITUDE: 295039

LONGITUDE: 0975903

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 7           | 23.00                  | 22.80   | 22.97  | 0.08               | 23.00                                                                     | 23.00  | 23.00     | 23.00  | 22.80  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 7           | 626.00                 | 609.00  | 618.29 | 5.68               | 626.00                                                                    | 622.00 | 618.00    | 614.00 | 609.00 |
| PH (UNITS)                                | 7           | 7.20                   | 6.80    | 7.00   | 0.13               | 7.20                                                                      | 7.10   | 7.00      | 6.90   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 5           | 64.00                  | 32.00   | 47.80  | 12.03              | 64.00                                                                     | 57.50  | 51.00     | 36.50  | 32.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 7           | 262.00                 | 259.00  | 260.71 | 1.25               | 262.00                                                                    | 262.00 | 260.00    | 260.00 | 259.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 5           | 320.00                 | 316.00  | 319.20 | 1.79               | 320.00                                                                    | 320.00 | 320.00    | 318.00 | 316.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 7           | 2.50                   | 1.70    | 1.99   | 0.28               | 2.50                                                                      | 2.20   | 1.90      | 1.80   | 1.70   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 6           | 0.42                   | 0.06    | 0.20   | 0.14               | 0.42                                                                      | 0.31   | 0.18      | 0.08   | 0.06   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 7           | 0.04                   | 0.00    | 0.02   | 0.02               | 0.04                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 7           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 6           | 1.90                   | 1.50    | 1.68   | 0.13               | 1.90                                                                      | 1.75   | 1.70      | 1.58   | 1.50   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 7           | 1.90                   | 1.50    | 1.67   | 0.13               | 1.90                                                                      | 1.70   | 1.70      | 1.60   | 1.50   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 7           | 0.04                   | 0.00    | 0.01   | 0.01               | 0.04                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 7           | 12.00                  | 0.00    | 4.33   | 5.11               | 12.00                                                                     | 11.00  | 2.50      | 0.30   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                  | 7           | 310.00                 | 290.00  | 298.57 | 9.00               | 310.00                                                                    | 310.00 | 300.00    | 290.00 | 290.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 7           | 50.00                  | 32.00   | 39.71  | 7.80               | 50.00                                                                     | 50.00  | 37.00     | 32.00  | 32.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 7           | 94.00                  | 90.00   | 91.57  | 1.99               | 94.00                                                                     | 94.00  | 90.00     | 90.00  | 90.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 7           | 19.00                  | 17.00   | 17.57  | 0.79               | 19.00                                                                     | 18.00  | 17.00     | 17.00  | 17.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 7           | 14.00                  | 13.00   | 13.57  | 0.53               | 14.00                                                                     | 14.00  | 14.00     | 13.00  | 13.00  |
| SODIUM ADSORPTION RATIO                   | 7           | 0.40                   | 0.30    | 0.34   | 0.05               | 0.40                                                                      | 0.40   | 0.30      | 0.30   | 0.30   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 7           | 1.60                   | 1.40    | 1.49   | 0.07               | 1.60                                                                      | 1.50   | 1.50      | 1.40   | 1.40   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 7           | 27.00                  | 22.00   | 23.71  | 2.06               | 27.00                                                                     | 26.00  | 23.00     | 22.00  | 22.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 7           | 34.00                  | 23.00   | 29.71  | 3.35               | 34.00                                                                     | 31.00  | 30.00     | 29.00  | 23.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 7           | 0.40                   | 0.20    | 0.27   | 0.10               | 0.40                                                                      | 0.40   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 7           | 13.00                  | 11.00   | 12.00  | 0.58               | 13.00                                                                     | 12.00  | 12.00     | 12.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)    | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 2           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 7           | 358.00                 | 337.00  | 347.29 | 6.26               | 358.00                                                                    | 350.00 | 347.00    | 345.00 | 337.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 5           | 0.49                   | 0.46    | 0.47   | 0.01               | 0.49                                                                      | 0.49   | 0.47      | 0.47   | 0.46   |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295039097590301

WELL NUMBER: LR-67-09-105

LATITUDE: 295039

LONGITUDE: 0975903

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|---------------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                       | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 7                      | 1.00    | 0.00    | 0.33  | 0.52                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 7                      | 200.00  | 0.00    | 58.57 | 69.39                 | 200.00                                                                       | 90.00 | 40.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 7                      | 10.00   | 0.00    | 1.43  | 3.78                  | 10.00                                                                        | 0.00  | 0.00         | 0.00 | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)        | 7                      | 1.00    | 0.00    | 0.29  | 0.49                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 7                      | 20.00   | 0.00    | 5.71  | 9.76                  | 20.00                                                                        | 20.00 | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 7                      | 2.00    | 0.00    | 0.29  | 0.76                  | 2.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)        | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)          | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 7                      | 1.00    | 0.00    | 0.57  | 0.53                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| PERTHANE, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 7                      | 0.40    | 0.00    | 0.11  | 0.17                  | 0.40                                                                         | 0.30  | 0.00         | 0.00 | 0.00 |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295109097591101

WELL NUMBER: LR-67-09-111

LATITUDE: 295109

LONGITUDE: 0975911

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 6                      | 23.00   | 23.00   | 23.00  | 0.00               | 23.00                                                                     | 23.00  | 23.00     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 6                      | 596.00  | 577.00  | 586.33 | 6.89               | 596.00                                                                    | 591.50 | 587.50    | 579.25 | 577.00 |
| OXYGEN DEMAND,CHEMICAL(LOW LEVEL)(MG/L)   | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                | 6                      | 7.30    | 6.80    | 7.07   | 0.18               | 7.30                                                                      | 7.23   | 7.05      | 6.95   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 4                      | 51.00   | 26.00   |        |                    |                                                                           |        |           |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 6                      | 262.00  | 260.00  | 261.33 | 1.03               | 262.00                                                                    | 262.00 | 262.00    | 260.00 | 260.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 4                      | 320.00  | 320.00  |        |                    |                                                                           |        |           |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)           | 4                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| OIL AND GREASE (MG/L)                     | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, TOTAL (MG/L AS N)               | 6                      | 3.20    | 1.80    | 2.25   | 0.51               | 3.20                                                                      | 2.53   | 2.15      | 1.88   | 1.80   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 5                      | 1.20    | 0.12    | 0.45   | 0.47               | 1.20                                                                      | 0.92   | 0.16      | 0.13   | 0.12   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 6                      | 0.06    | 0.00    | 0.01   | 0.02               | 0.06                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 6                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 5                      | 1.90    | 1.70    | 1.78   | 0.08               | 1.90                                                                      | 1.85   | 1.80      | 1.70   | 1.70   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 6                      | 1.90    | 1.60    | 1.75   | 0.10               | 1.90                                                                      | 1.83   | 1.75      | 1.68   | 1.60   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 6                      | 0.05    | 0.00    | 0.02   | 0.02               | 0.05                                                                      | 0.04   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 6                      | 13.00   | 0.30    | 3.65   | 5.43               | 13.00                                                                     | 8.95   | 0.35      | 0.30   | 0.30   |
| HARDNESS (MG/L AS CaCO3)                  | 6                      | 300.00  | 270.00  | 288.33 | 11.69              | 300.00                                                                    | 300.00 | 290.00    | 277.50 | 270.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 6                      | 40.00   | 12.00   | 27.50  | 10.97              | 40.00                                                                     | 34.75  | 32.00     | 15.00  | 12.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 6                      | 92.00   | 85.00   | 89.33  | 3.39               | 92.00                                                                     | 92.00  | 91.00     | 85.00  | 85.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 6                      | 17.00   | 15.00   | 16.00  | 0.63               | 17.00                                                                     | 16.25  | 16.00     | 15.75  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS Na)            | 6                      | 11.00   | 8.70    | 9.82   | 0.75               | 11.00                                                                     | 10.25  | 9.80      | 9.38   | 8.70   |
| SODIUM ADSORPTION RATIO                   | 6                      | 0.30    | 0.20    | 0.27   | 0.05               | 0.30                                                                      | 0.30   | 0.30      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 6                      | 1.30    | 1.10    | 1.25   | 0.08               | 1.30                                                                      | 1.30   | 1.30      | 1.17   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 6                      | 19.00   | 16.00   | 17.67  | 1.37               | 19.00                                                                     | 19.00  | 18.00     | 16.00  | 16.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 6                      | 26.00   | 20.00   | 22.83  | 2.48               | 26.00                                                                     | 25.25  | 23.00     | 20.00  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 6                      | 0.30    | 0.20    | 0.22   | 0.04               | 0.30                                                                      | 0.23   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 6                      | 13.00   | 11.00   | 12.17  | 0.75               | 13.00                                                                     | 13.00  | 12.00     | 11.75  | 11.00  |
| COLIFORM, TOTAL,IMMED.(COLS./100 ML)      | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL,0.7 UM-MF(COLS./100 ML)   | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)    | 2                      | 0.10    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS,DISS.(MG/L)   | 6                      | 334.00  | 319.00  | 326.67 | 5.57               | 334.00                                                                    | 332.50 | 326.00    | 322.00 | 319.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 4                      | 0.45    | 0.43    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)           | 1                      | 0.20    | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 295109097591101

WELL NUMBER: LR-67-09-111

LATITUDE: 295109

LONGITUDE: 0975911

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |       |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |           |       |      |
|---------------------------------------|------------------------|---------|---------|-------|--------------------|---------------------------------------------------------------------------|-------|-----------|-------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN  | STANDARD DEVIATION | 95                                                                        | 75    | MEDIAN 50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 6                      | 1.00    | 0.00    | 0.50  | 0.55               | 1.00                                                                      | 1.00  | 1.00      | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 6                      | 100.00  | 0.00    | 43.17 | 32.07              | 100.00                                                                    | 55.00 | 40.00     | 29.25 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 6                      | 2.00    | 0.00    | 0.33  | 0.82               | 2.00                                                                      | 0.50  | 0.00      | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 6                      | 10.00   | 0.00    | 1.67  | 4.08               | 10.00                                                                     | 2.50  | 0.00      | 0.00  | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)        | 6                      | 4.00    | 0.00    | 2.00  | 1.67               | 4.00                                                                      | 3.25  | 2.50      | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 6                      | 5.00    | 0.00    | 0.83  | 2.04               | 5.00                                                                      | 1.25  | 0.00      | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 6                      | 2.00    | 0.00    | 0.33  | 0.82               | 2.00                                                                      | 0.50  | 0.00      | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 6                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)        | 6                      | 0.00    | 0.00    | 0.00  | 0.00               | 0.00                                                                      | 0.00  | 0.00      | 0.00  | 0.00 |
| VANADIUM, DISSOLVED (UG/L AS V)       | 1                      | 1.60    | 1.60    |       |                    |                                                                           |       |           |       |      |
| ZINC, DISSOLVED (UG/L AS ZN)          | 6                      | 5.00    | 0.00    | 1.33  | 2.16               | 5.00                                                                      | 3.50  | 0.00      | 0.00  | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 6                      | 1.00    | 0.00    | 0.17  | 0.41               | 1.00                                                                      | 0.25  | 0.00      | 0.00  | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ALDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| LINDANE, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDD, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDE, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DDT, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DIELDRIN, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ENDRIN, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| HEPTACHLOR, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| 2,4-D, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| 2,4,5-T, TOTAL (UG/L)                 | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| SILVEX, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |       |                    |                                                                           |       |           |       |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 6                      | 0.10    | 0.00    | 0.03  | 0.05               | 0.10                                                                      | 0.10  | 0.00      | 0.00  | 0.00 |

TABLE 4.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, HAYS COUNTY, TEXAS--CONTINUED

STATION NUMBER: 294946098000501 WELL NUMBER: LR-68-16-601

LATITUDE: 294946 LONGITUDE: 0980005 WELL DEPTH: 200.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |         |
|------------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|---------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 14                     | 24.00   | 20.00   | 22.64   | 1.12                  | 24.00                                                                        | 23.50   | 23.00        | 22.00   | 20.00   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 20                     | 1790.00 | 1330.00 | 1638.50 | 139.37                | 1787.50                                                                      | 1727.50 | 1680.00      | 1610.00 | 1330.50 |
| PH (UNITS)                               | 20                     | 8.00    | 6.70    | 7.11    | 0.30                  | 7.98                                                                         | 7.20    | 7.10         | 7.00    | 6.70    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 20                     | 116.00  | 5.30    | 51.21   | 28.32                 | 115.65                                                                       | 57.75   | 43.50        | 36.25   | 5.68    |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 20                     | 310.00  | 239.00  | 287.45  | 16.73                 | 309.85                                                                       | 299.00  | 289.50       | 279.00  | 240.35  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 20                     | 378.00  | 292.00  | 350.40  | 20.32                 | 377.80                                                                       | 364.00  | 353.00       | 340.00  | 293.60  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 20                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.00    | 0.00    |         |                       |                                                                              |         |              |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 20                     | 710.00  | 510.00  | 607.80  | 49.57                 | 707.00                                                                       | 643.75  | 617.50       | 582.50  | 510.10  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 20                     | 420.00  | 204.00  | 320.35  | 52.78                 | 417.50                                                                       | 358.00  | 327.00       | 308.50  | 204.80  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 2                      | 138.00  | 125.00  |         |                       |                                                                              |         |              |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 2                      | 89.00   | 48.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 86.00   | 86.00   |         |                       |                                                                              |         |              |         |         |
| SODIUM ADSORPTION RATIO                  | 1                      | 1.70    | 1.70    |         |                       |                                                                              |         |              |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 11.00   | 11.00   |         |                       |                                                                              |         |              |         |         |
| CHLORIDE, DISSOLVED (MG/L AS Cl)         | 21                     | 258.00  | 156.00  | 227.71  | 30.44                 | 257.40                                                                       | 248.00  | 240.00       | 217.50  | 156.40  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 21                     | 300.00  | 178.00  | 264.43  | 35.99                 | 299.90                                                                       | 289.00  | 276.00       | 249.50  | 179.40  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 2.10    | 2.10    |         |                       |                                                                              |         |              |         |         |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 13.00   | 13.00   |         |                       |                                                                              |         |              |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 802.00  | 802.00  |         |                       |                                                                              |         |              |         |         |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS

STATION NUMBER: 293004098513001

WELL NUMBER: TD-68-26-701

LATITUDE: 293004

LONGITUDE: 0985130

WELL DEPTH: 750.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

[DEG C, degree Celsius; UMHOS, micromho per centimeter at 25° Celsius; MG/L, milligram per liter;  
COLS./100 ML, colonies per 100 milliliters; TONS PER AC-FT, tons per acre-foot; UG/L, microgram per liter]

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 7           | 23.00                  | 22.50   | 22.86  | 0.24               | 23.00                                                                     | 23.00  | 23.00     | 22.50  | 22.50  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 7           | 540.00                 | 516.00  | 530.43 | 9.13               | 540.00                                                                    | 540.00 | 531.00    | 522.00 | 516.00 |
| PH (UNITS)                                  | 7           | 7.30                   | 7.00    | 7.16   | 0.11               | 7.30                                                                      | 7.20   | 7.20      | 7.00   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 5           | 40.00                  | 25.00   | 31.40  | 7.89               | 40.00                                                                     | 40.00  | 27.00     | 25.00  | 25.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 7           | 221.00                 | 205.00  | 209.43 | 5.68               | 221.00                                                                    | 210.00 | 210.00    | 205.00 | 205.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 5           | 270.00                 | 250.00  | 254.00 | 8.94               | 270.00                                                                    | 260.00 | 250.00    | 250.00 | 250.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 6           | 2.00                   | 0.76    | 1.44   | 0.42               | 2.00                                                                      | 1.78   | 1.45      | 1.17   | 0.76   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5           | 0.45                   | 0.00    | 0.22   | 0.18               | 0.45                                                                      | 0.41   | 0.17      | 0.07   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 7           | 0.08                   | 0.00    | 0.02   | 0.03               | 0.08                                                                      | 0.03   | 0.02      | 0.01   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 5           | 1.30                   | 0.66    | 1.05   | 0.25               | 1.30                                                                      | 1.25   | 1.10      | 0.83   | 0.66   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 7           | 1.30                   | 0.68    | 1.07   | 0.20               | 1.30                                                                      | 1.20   | 1.10      | 1.00   | 0.68   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 6           | 0.03                   | 0.00    | 0.01   | 0.01               | 0.03                                                                      | 0.02   | 0.00      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 6           | 2.50                   | 0.00    | 0.88   | 0.92               | 2.50                                                                      | 1.68   | 0.55      | 0.23   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 7           | 270.00                 | 260.00  | 265.71 | 5.35               | 270.00                                                                    | 270.00 | 270.00    | 260.00 | 260.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 7           | 70.00                  | 43.00   | 58.14  | 8.19               | 70.00                                                                     | 62.00  | 60.00     | 55.00  | 43.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 7           | 77.00                  | 72.00   | 73.86  | 1.68               | 77.00                                                                     | 75.00  | 73.00     | 73.00  | 72.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 7           | 20.00                  | 20.00   | 20.00  | 0.00               | 20.00                                                                     | 20.00  | 20.00     | 20.00  | 20.00  |
| SODIUM, DISSOLVED (MG/L AS NA)              | 7           | 8.20                   | 7.00    | 7.39   | 0.41               | 8.20                                                                      | 7.60   | 7.30      | 7.10   | 7.00   |
| SODIUM ADSORPTION RATIO                     | 7           | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 7           | 1.50                   | 1.30    | 1.39   | 0.07               | 1.50                                                                      | 1.40   | 1.40      | 1.30   | 1.30   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 7           | 14.00                  | 12.00   | 12.71  | 0.95               | 14.00                                                                     | 14.00  | 12.00     | 12.00  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 7           | 54.00                  | 51.00   | 52.14  | 1.21               | 54.00                                                                     | 53.00  | 52.00     | 51.00  | 51.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 7           | 0.30                   | 0.20    | 0.27   | 0.05               | 0.30                                                                      | 0.30   | 0.30      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 7           | 13.00                  | 12.00   | 12.29  | 0.49               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 7           | 311.00                 | 191.00  | 289.29 | 43.42              | 311.00                                                                    | 306.00 | 305.00    | 303.00 | 191.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 4           | 0.42                   | 0.41    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 293004098513001

WELL NUMBER: TD-68-26-701

LATITUDE: 293004

LONGITUDE: 0985130

WELL DEPTH: 750.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 6                      | 1.00    | 0.00    | 0.50  | 0.55                  | 1.00                                                                         | 1.00  | 0.50         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 33.00   | 0.00    | 20.50 | 15.92                 | 33.00                                                                        | 30.75 | 30.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 6                      | 10.00   | 0.00    | 1.67  | 4.08                  | 10.00                                                                        | 2.50  | 0.00         | 0.00 | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)    | 6                      | 1.00    | 0.00    | 0.33  | 0.52                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 6                      | 20.00   | 0.00    | 3.33  | 8.16                  | 20.00                                                                        | 5.00  | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 2.00    | 0.00    | 0.33  | 0.82                  | 2.00                                                                         | 0.50  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 6                      | 4.00    | 0.00    | 0.67  | 1.63                  | 4.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)      | 6                      | 6.00    | 0.00    | 1.00  | 2.45                  | 6.00                                                                         | 1.50  | 0.00         | 0.00 | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292126098523201

WELL NUMBER: TD-68-41-303

LATITUDE: 292126

LONGITUDE: 0985232

WELL DEPTH: 717.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 10                     | 24.00   | 23.00   | 23.72  | 0.34               | 24.00                                                                     | 24.00  | 23.85     | 23.50  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 10                     | 490.00  | 469.00  | 480.30 | 7.63               | 490.00                                                                    | 489.00 | 480.50    | 472.00 | 469.00 |
| PH (UNITS)                                  | 10                     | 7.40    | 7.00    | 7.23   | 0.14               | 7.40                                                                      | 7.33   | 7.25      | 7.15   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 8                      | 40.00   | 16.00   | 25.75  | 9.27               | 40.00                                                                     | 36.25  | 22.50     | 20.00  | 16.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 10                     | 210.00  | 200.00  | 205.20 | 3.39               | 210.00                                                                    | 207.75 | 205.00    | 203.75 | 200.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 8                      | 252.00  | 250.00  | 250.25 | 0.71               | 252.00                                                                    | 250.00 | 250.00    | 250.00 | 250.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 8                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 8                      | 3.10    | 1.10    | 2.14   | 0.86               | 3.10                                                                      | 2.98   | 2.30      | 1.15   | 1.10   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 7                      | 0.75    | 0.00    | 0.32   | 0.25               | 0.75                                                                      | 0.44   | 0.36      | 0.08   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 10                     | 0.08    | 0.00    | 0.02   | 0.03               | 0.08                                                                      | 0.05   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 8                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 7                      | 2.50    | 0.77    | 1.70   | 0.67               | 2.50                                                                      | 2.30   | 1.90      | 1.10   | 0.77   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 10                     | 2.50    | 0.77    | 1.76   | 0.56               | 2.50                                                                      | 2.15   | 1.85      | 1.17   | 0.77   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 10                     | 0.05    | 0.00    | 0.02   | 0.02               | 0.05                                                                      | 0.03   | 0.01      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 9                      | 7.10    | 0.00    | 2.01   | 2.42               | 7.10                                                                      | 3.80   | 0.70      | 0.25   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 10                     | 240.00  | 230.00  | 233.00 | 4.83               | 240.00                                                                    | 240.00 | 230.00    | 230.00 | 230.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 10                     | 39.00   | 22.00   | 28.60  | 5.66               | 39.00                                                                     | 32.50  | 27.00     | 23.75  | 22.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 10                     | 71.00   | 67.00   | 68.60  | 1.17               | 71.00                                                                     | 69.25  | 68.00     | 68.00  | 67.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 10                     | 16.00   | 14.00   | 14.90  | 0.57               | 16.00                                                                     | 15.00  | 15.00     | 14.75  | 14.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 9                      | 9.00    | 7.90    | 8.39   | 0.33               | 9.00                                                                      | 8.55   | 8.50      | 8.10   | 7.90   |
| SODIUM ADSORPTION RATIO                     | 9                      | 0.30    | 0.20    | 0.22   | 0.04               | 0.30                                                                      | 0.25   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 9                      | 1.20    | 1.00    | 1.11   | 0.06               | 1.20                                                                      | 1.15   | 1.10      | 1.10   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 10                     | 21.00   | 14.00   | 17.90  | 1.73               | 21.00                                                                     | 18.25  | 18.00     | 17.75  | 14.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 10                     | 17.00   | 13.00   | 15.40  | 1.35               | 17.00                                                                     | 16.25  | 16.00     | 14.00  | 13.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 10                     | 0.30    | 0.10    | 0.20   | 0.05               | 0.30                                                                      | 0.20   | 0.20      | 0.20   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 9                      | 17.00   | 11.00   | 12.56  | 1.74               | 17.00                                                                     | 12.50  | 12.00     | 12.00  | 11.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 7                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 2                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 2                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 3                      | 0.10    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 9                      | 270.00  | 261.00  | 263.00 | 2.78               | 270.00                                                                    | 263.00 | 263.00    | 261.00 | 261.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 6                      | 0.36    | 0.36    | 0.36   | 0.00               | 0.36                                                                      | 0.36   | 0.36      | 0.36   | 0.36   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1                      | 0.10    | 0.10    | 0.10   | 0.00               | 0.10                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292126098523201 WELL NUMBER: TD-68-41-303

LATITUDE: 292126 LONGITUDE: 0985232 WELL DEPTH: 717.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |       |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|--------|--------------|-------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 9                      | 1.00    | 0.00    | 0.44  | 0.53                  | 1.00                                                                         | 1.00   | 0.00         | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 8                      | 200.00  | 0.00    | 80.88 | 75.48                 | 200.00                                                                       | 162.50 | 50.00        | 47.75 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 8                      | 1.00    | 0.00    | 0.13  | 0.35                  | 1.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 8                      | 10.00   | 0.00    | 1.25  | 3.54                  | 10.00                                                                        | 0.00   | 0.00         | 0.00  | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)    | 9                      | 5.00    | 0.00    | 2.44  | 1.42                  | 5.00                                                                         | 3.00   | 3.00         | 1.50  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 8                      | 20.00   | 0.00    | 5.63  | 9.04                  | 20.00                                                                        | 16.25  | 0.00         | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 9                      | 2.00    | 0.00    | 0.78  | 0.97                  | 2.00                                                                         | 2.00   | 0.00         | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)    | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)      | 9                      | 50.00   | 0.00    | 6.67  | 16.42                 | 50.00                                                                        | 5.00   | 0.00         | 0.00  | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 8                      | 1.00    | 0.00    | 0.25  | 0.46                  | 1.00                                                                         | 0.75   | 0.00         | 0.00  | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 9                      | 0.30    | 0.00    | 0.09  | 0.12                  | 0.30                                                                         | 0.20   | 0.00         | 0.00  | 0.00 |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291831098485101

WELL NUMBER: TD-68-42-503

LATITUDE: 291831

LONGITUDE: 0984851

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 8                      | 26.00   | 24.50   | 25.62  | 0.52               | 26.00                                                                     | 26.00  | 25.75     | 25.50  | 24.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 8                      | 465.00  | 432.00  | 455.25 | 11.76              | 465.00                                                                    | 462.50 | 460.50    | 446.00 | 432.00 |
| PH (UNITS)                                | 7                      | 7.70    | 7.00    | 7.16   | 0.25               | 7.70                                                                      | 7.20   | 7.10      | 7.00   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 5                      | 37.00   | 7.80    | 26.16  | 11.25              | 37.00                                                                     | 34.00  | 31.00     | 15.90  | 7.80   |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 8                      | 200.00  | 190.00  | 195.88 | 4.97               | 200.00                                                                    | 200.00 | 198.50    | 190.00 | 190.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 6                      | 244.00  | 230.00  | 239.67 | 5.13               | 244.00                                                                    | 244.00 | 240.00    | 237.50 | 230.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 6                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)               | 6                      | 2.30    | 1.60    | 2.05   | 0.31               | 2.30                                                                      | 2.30   | 2.20      | 1.68   | 1.60   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)       | 5                      | 0.69    | 0.05    | 0.44   | 0.29               | 0.69                                                                      | 0.68   | 0.60      | 0.13   | 0.05   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)       | 6                      | 0.02    | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)       | 6                      | 0.01    | 0.00    | 0.00   | 0.00               | 0.01                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 6                      | 1.60    | 1.20    | 1.45   | 0.20               | 1.60                                                                      | 1.60   | 1.55      | 1.20   | 1.20   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)       | 6                      | 1.70    | 1.50    | 1.60   | 0.06               | 1.70                                                                      | 1.63   | 1.60      | 1.58   | 1.50   |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 7                      | 0.04    | 0.00    | 0.01   | 0.01               | 0.04                                                                      | 0.02   | 0.01      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)     | 6                      | 4.00    | 0.50    | 1.97   | 1.50               | 4.00                                                                      | 3.70   | 1.50      | 0.65   | 0.50   |
| HARDNESS (MG/L AS CaCO3)                  | 8                      | 230.00  | 210.00  | 221.25 | 6.41               | 230.00                                                                    | 227.50 | 220.00    | 220.00 | 210.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 8                      | 33.00   | 13.00   | 26.62  | 6.72               | 33.00                                                                     | 32.00  | 29.00     | 22.25  | 13.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 8                      | 64.00   | 60.00   | 62.75  | 1.28               | 64.00                                                                     | 63.75  | 63.00     | 62.25  | 60.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 8                      | 17.00   | 15.00   | 15.75  | 0.71               | 17.00                                                                     | 16.00  | 16.00     | 15.00  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS NA)            | 8                      | 7.80    | 5.50    | 7.31   | 0.79               | 7.80                                                                      | 7.80   | 7.60      | 7.05   | 5.50   |
| SODIUM ADSORPTION RATIO                   | 8                      | 0.20    | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 8                      | 1.10    | 0.90    | 1.05   | 0.08               | 1.10                                                                      | 1.10   | 1.10      | 1.00   | 0.90   |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 8                      | 19.00   | 11.00   | 15.75  | 3.01               | 19.00                                                                     | 18.75  | 16.00     | 12.75  | 11.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 8                      | 13.00   | 9.20    | 12.27  | 1.32               | 13.00                                                                     | 13.00  | 13.00     | 12.00  | 9.20   |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 8                      | 0.40    | 0.20    | 0.25   | 0.08               | 0.40                                                                      | 0.30   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 8                      | 13.00   | 11.00   | 12.00  | 0.53               | 13.00                                                                     | 12.00  | 12.00     | 12.00  | 11.00  |
| COLIFORM, TOTAL, IMMED.(COLS./100 ML)     | 3                      | 1.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)  | 3                      | 1.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL,KF AGAR(COLS./100 ML) | 3                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)  | 8                      | 248.00  | 241.00  | 245.00 | 2.73               | 248.00                                                                    | 247.00 | 246.00    | 241.75 | 241.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 4                      | 0.34    | 0.33    |        |                    |                                                                           |        |           |        |        |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291831098485101

WELL NUMBER: TD-68-42-503

LATITUDE: 291831

LONGITUDE: 0984851

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |       |       |
|-----------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|-------|-------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25    | 5     |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 6                      | 1.00    | 0.00    | 0.83   | 0.41                  | 1.00                                                                         | 1.00   | 1.00         | 0.75  | 0.00  |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 400.00  | 70.00   | 125.00 | 134.72                | 400.00                                                                       | 152.50 | 70.00        | 70.00 | 70.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 6                      | 10.00   | 0.00    | 1.67   | 4.08                  | 10.00                                                                        | 2.50   | 0.00         | 0.00  | 0.00  |
| COPPER, DISSOLVED (UG/L AS CU)    | 6                      | 3.00    | 0.00    | 1.50   | 1.05                  | 3.00                                                                         | 2.25   | 1.50         | 0.75  | 0.00  |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 10.00   | 0.00    | 2.00   | 3.83                  | 10.00                                                                        | 4.00   | 0.00         | 0.00  | 0.00  |
| LEAD, DISSOLVED (UG/L AS PB)      | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| MANGANESE, DISSOLVED (UG/L AS MN) | 7                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| ZINC, DISSOLVED (UG/L AS ZN)      | 6                      | 20.00   | 0.00    | 5.83   | 7.44                  | 20.00                                                                        | 10.25  | 4.00         | 0.00  | 0.00  |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |       |       |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00  | 0.00  |
| MERCURY, DISSOLVED (UG/L AS HG)   | 6                      | 9.60    | 0.00    | 2.32   | 3.71                  | 9.60                                                                         | 4.28   | 0.90         | 0.00  | 0.00  |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291150098540001

WELL NUMBER: TD-68-49-601

LATITUDE: 291150

LONGITUDE: 0985400

WELL DEPTH: 2765.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 12                     | 35.50   | 32.00   | 34.42  | 1.00                  | 35.50                                                                        | 35.37  | 34.50        | 34.00  | 32.00  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 13                     | 579.00  | 421.00  | 488.92 | 34.73                 | 579.00                                                                       | 497.50 | 491.00       | 473.00 | 421.00 |
| PH (UNITS)                               | 13                     | 7.90    | 6.80    | 7.19   | 0.35                  | 7.90                                                                         | 7.40   | 7.10         | 6.90   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 13                     | 58.00   | 5.10    | 29.92  | 16.83                 | 58.00                                                                        | 45.00  | 30.00        | 15.00  | 5.10   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 13                     | 207.00  | 171.00  | 192.00 | 8.55                  | 207.00                                                                       | 194.50 | 192.00       | 188.00 | 171.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 13                     | 252.00  | 209.00  | 234.00 | 10.30                 | 252.00                                                                       | 237.00 | 234.00       | 229.00 | 209.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 13                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.27    | 0.27    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 13                     | 248.00  | 205.00  | 224.54 | 12.47                 | 248.00                                                                       | 230.00 | 224.00       | 216.00 | 205.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 13                     | 56.00   | 21.00   | 32.69  | 9.80                  | 56.00                                                                        | 39.00  | 30.00        | 25.50  | 21.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 1                      | 51.00   | 51.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 1                      | 19.00   | 19.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 8.40    | 8.40    |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.30    | 0.30    |        |                       |                                                                              |        |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 0.90    | 0.90    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS Cl)         | 13                     | 34.00   | 14.00   | 20.92  | 5.22                  | 34.00                                                                        | 23.00  | 22.00        | 17.50  | 14.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 13                     | 52.00   | 30.00   | 37.08  | 7.14                  | 52.00                                                                        | 39.50  | 34.00        | 32.00  | 30.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 0.40    | 0.40    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 14.00   | 14.00   |        |                       |                                                                              |        |              |        |        |
| BORON, DISSOLVED (UG/L AS B)             | 1                      | 100.00  | 100.00  |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 249.00  | 249.00  |        |                       |                                                                              |        |              |        |        |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291943099163301

WELL NUMBER: TD-69-46-601

LATITUDE: 291943

LONGITUDE: 0991633

WELL DEPTH: 1289.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 8           | 24.00                  | 23.00   | 23.62  | 0.35               | 24.00                                                                     | 24.00  | 23.50     | 23.50  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 8           | 483.00                 | 456.00  | 471.87 | 9.06               | 483.00                                                                    | 478.00 | 475.00    | 463.50 | 456.00 |
| PH (UNITS)                                  | 8           | 7.30                   | 6.80    | 7.15   | 0.16               | 7.30                                                                      | 7.28   | 7.20      | 7.10   | 6.80   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 6           | 63.00                  | 21.00   | 33.00  | 15.24              | 63.00                                                                     | 39.75  | 28.50     | 24.00  | 21.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 8           | 210.00                 | 202.00  | 207.12 | 3.23               | 210.00                                                                    | 210.00 | 207.50    | 205.00 | 202.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 6           | 260.00                 | 246.00  | 252.00 | 5.06               | 260.00                                                                    | 257.00 | 250.00    | 249.00 | 246.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 6           | 3.00                   | 1.70    | 2.18   | 0.50               | 3.00                                                                      | 2.63   | 2.10      | 1.70   | 1.70   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5           | 0.68                   | 0.11    | 0.34   | 0.28               | 0.68                                                                      | 0.65   | 0.20      | 0.11   | 0.11   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 7           | 0.07                   | 0.00    | 0.02   | 0.02               | 0.07                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 5           | 1.80                   | 1.50    | 1.66   | 0.13               | 1.80                                                                      | 1.80   | 1.60      | 1.55   | 1.50   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 8           | 1.80                   | 1.30    | 1.63   | 0.17               | 1.80                                                                      | 1.78   | 1.65      | 1.53   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 8           | 0.06                   | 0.00    | 0.02   | 0.02               | 0.06                                                                      | 0.03   | 0.01      | 0.00   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 7           | 3.30                   | 0.10    | 1.57   | 1.08               | 3.30                                                                      | 2.50   | 1.50      | 0.80   | 0.10   |
| HARDNESS (MG/L AS CaCO3)                    | 8           | 240.00                 | 210.00  | 227.50 | 8.86               | 240.00                                                                    | 230.00 | 230.00    | 222.50 | 210.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 8           | 34.00                  | 6.00    | 21.62  | 8.91               | 34.00                                                                     | 29.00  | 20.50     | 17.00  | 6.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 8           | 73.00                  | 63.00   | 68.50  | 2.83               | 73.00                                                                     | 69.75  | 69.00     | 67.25  | 63.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 8           | 15.00                  | 13.00   | 14.12  | 0.83               | 15.00                                                                     | 15.00  | 14.00     | 13.25  | 13.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 8           | 8.30                   | 6.70    | 7.26   | 0.49               | 8.30                                                                      | 7.45   | 7.20      | 6.87   | 6.70   |
| SODIUM ADSORPTION RATIO                     | 8           | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 8           | 1.40                   | 1.00    | 1.11   | 0.14               | 1.40                                                                      | 1.17   | 1.10      | 1.00   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 8           | 15.00                  | 12.00   | 13.75  | 1.16               | 15.00                                                                     | 14.75  | 14.00     | 12.50  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 8           | 19.00                  | 16.00   | 17.75  | 1.04               | 19.00                                                                     | 18.75  | 18.00     | 17.00  | 16.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 8           | 0.50                   | 0.20    | 0.24   | 0.11               | 0.50                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 8           | 13.00                  | 12.00   | 12.37  | 0.52               | 13.00                                                                     | 13.00  | 12.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 3           | 15.00                  | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 8           | 271.00                 | 253.00  | 260.00 | 5.55               | 271.00                                                                    | 262.25 | 260.00    | 255.25 | 253.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 5           | 0.36                   | 0.34    | 0.35   | 0.01               | 0.36                                                                      | 0.36   | 0.35      | 0.35   | 0.34   |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.10                   | 0.10    |        |                    |                                                                           |        |           |        |        |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291943099163301

WELL NUMBER: TD-69-46-601

LATITUDE: 291943

LONGITUDE: 0991633

WELL DEPTH: 1289.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |       |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|-------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 7                      | 1.00    | 0.00    | 0.57  | 0.53                  | 1.00                                                                         | 1.00  | 1.00         | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 200.00  | 0.00    | 59.33 | 70.67                 | 200.00                                                                       | 80.00 | 40.00        | 27.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 7                      | 20.00   | 0.00    | 4.29  | 7.87                  | 20.00                                                                        | 10.00 | 0.00         | 0.00  | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 2.00    | 0.00    | 0.71  | 0.95                  | 2.00                                                                         | 2.00  | 0.00         | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 8                      | 11.00   | 0.00    | 2.00  | 4.04                  | 11.00                                                                        | 3.75  | 0.00         | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 7                      | 3.00    | 0.00    | 0.71  | 1.25                  | 3.00                                                                         | 2.00  | 0.00         | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 8                      | 2.00    | 0.00    | 0.25  | 0.71                  | 2.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 1                      | 2.00    | 2.00    |       |                       |                                                                              |       |              |       |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25  | 0.00         | 0.00  | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 330.00  | 330.00  |       |                       |                                                                              |       |              |       |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 35.00   | 0.00    | 8.29  | 13.86                 | 35.00                                                                        | 20.00 | 0.00         | 0.00  | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 30.00   | 30.00   |       |                       |                                                                              |       |              |       |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |       |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25  | 0.00         | 0.00  | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00  | 0.00 |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292037099082001

WELL NUMBER: TD-69-47-303

LATITUDE: 292037

LONGITUDE: 0990820

WELL DEPTH: 1803.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 7           | 24.50                  | 24.00   | 24.21  | 0.27               | 24.50                                                                     | 24.50  | 24.00     | 24.00  | 24.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 7           | 550.00                 | 456.00  | 478.29 | 32.12              | 550.00                                                                    | 475.00 | 467.00    | 465.00 | 456.00 |
| PH (UNITS)                                  | 6           | 7.30                   | 7.00    | 7.17   | 0.12               | 7.30                                                                      | 7.30   | 7.15      | 7.08   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 5           | 42.00                  | 20.00   | 30.20  | 8.32               | 42.00                                                                     | 37.00  | 32.00     | 22.50  | 20.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 7           | 213.00                 | 200.00  | 206.86 | 4.38               | 213.00                                                                    | 210.00 | 205.00    | 205.00 | 200.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 6           | 260.00                 | 250.00  | 251.67 | 4.08               | 260.00                                                                    | 252.50 | 250.00    | 250.00 | 250.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 6           | 2.80                   | 1.50    | 2.17   | 0.46               | 2.80                                                                      | 2.50   | 2.25      | 1.73   | 1.50   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5           | 1.10                   | 0.03    | 0.56   | 0.46               | 1.10                                                                      | 0.99   | 0.67      | 0.09   | 0.03   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 7           | 0.01                   | 0.00    | 0.00   | 0.01               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 6           | 0.01                   | 0.00    | 0.01   | 0.01               | 0.01                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 5           | 1.70                   | 1.30    | 1.58   | 0.18               | 1.70                                                                      | 1.70   | 1.70      | 1.40   | 1.30   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 7           | 1.70                   | 1.30    | 1.59   | 0.15               | 1.70                                                                      | 1.70   | 1.60      | 1.50   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 7           | 0.12                   | 0.00    | 0.03   | 0.04               | 0.12                                                                      | 0.05   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 7           | 14.00                  | 0.00    | 3.36   | 4.79               | 14.00                                                                     | 2.80   | 2.00      | 1.00   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 7           | 250.00                 | 220.00  | 234.29 | 9.76               | 250.00                                                                    | 240.00 | 230.00    | 230.00 | 220.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 7           | 34.00                  | 19.00   | 27.57  | 6.65               | 34.00                                                                     | 34.00  | 30.00     | 21.00  | 19.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 7           | 71.00                  | 63.00   | 67.14  | 3.24               | 71.00                                                                     | 71.00  | 66.00     | 64.00  | 63.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 7           | 17.00                  | 15.00   | 15.86  | 0.90               | 17.00                                                                     | 17.00  | 16.00     | 15.00  | 15.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 7           | 7.50                   | 6.90    | 7.31   | 0.23               | 7.50                                                                      | 7.50   | 7.40      | 7.10   | 6.90   |
| SODIUM ADSORPTION RATIO                     | 7           | 0.20                   | 0.20    | 0.20   | 0.00               | 0.20                                                                      | 0.20   | 0.20      | 0.20   | 0.20   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 7           | 1.20                   | 1.10    | 1.11   | 0.04               | 1.20                                                                      | 1.10   | 1.10      | 1.10   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 7           | 14.00                  | 12.00   | 13.57  | 0.79               | 14.00                                                                     | 14.00  | 14.00     | 13.00  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 7           | 19.00                  | 7.70    | 16.24  | 3.84               | 19.00                                                                     | 18.00  | 17.00     | 17.00  | 7.70   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 7           | 0.60                   | 0.20    | 0.27   | 0.15               | 0.60                                                                      | 0.30   | 0.20      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 7           | 13.00                  | 12.00   | 12.57  | 0.53               | 13.00                                                                     | 13.00  | 13.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 3           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)          | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 7           | 270.00                 | 245.00  | 257.86 | 8.47               | 270.00                                                                    | 263.00 | 260.00    | 250.00 | 245.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 6           | 0.37                   | 0.33    | 0.35   | 0.01               | 0.37                                                                      | 0.36   | 0.36      | 0.35   | 0.33   |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 292037099082001

WELL NUMBER: TD-69-47-303

LATITUDE: 292037

LONGITUDE: 0990820

WELL DEPTH: 1803.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 7                      | 1.00    | 0.00    | 0.57  | 0.53                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 6                      | 50.00   | 0.00    | 28.67 | 22.51                 | 50.00                                                                        | 44.00 | 40.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 7                      | 10.00   | 0.00    | 1.43  | 3.78                  | 10.00                                                                        | 0.00  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 4.00    | 0.00    | 1.29  | 1.50                  | 4.00                                                                         | 2.00  | 1.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 3.00    | 0.00    | 0.43  | 1.13                  | 3.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 7                      | 4.00    | 0.00    | 0.71  | 1.50                  | 4.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 6                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 360.00  | 360.00  |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 30.00   | 8.00    | 15.00 | 8.49                  | 30.00                                                                        | 20.00 | 9.00         | 9.00 | 8.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 40.00   | 40.00   |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 1                      | 20.00   | 20.00   |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 6                      | 1.00    | 0.00    | 0.17  | 0.41                  | 1.00                                                                         | 0.25  | 0.00         | 0.00 | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 7                      | 0.80    | 0.00    | 0.14  | 0.30                  | 0.80                                                                         | 0.20  | 0.00         | 0.00 | 0.00 |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291110099195001

WELL NUMBER: TD-69-54-501

LATITUDE: 291110

LONGITUDE: 0991950

WELL DEPTH: 2000.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 18                     | 25.00   | 23.00   | 23.69  | 0.57                  | 25.00                                                                        | 24.00  | 23.50        | 23.37  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 21                     | 501.00  | 327.00  | 443.57 | 41.85                 | 500.50                                                                       | 475.50 | 444.00       | 430.50 | 329.70 |
| PH (UNITS)                               | 21                     | 8.10    | 7.00    | 7.45   | 0.24                  | 8.07                                                                         | 7.55   | 7.40         | 7.35   | 7.01   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 21                     | 40.00   | 3.20    | 15.06  | 8.70                  | 39.10                                                                        | 17.50  | 14.00        | 9.70   | 3.31   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 21                     | 207.00  | 107.00  | 189.57 | 23.26                 | 206.60                                                                       | 200.00 | 197.00       | 191.00 | 110.20 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 21                     | 252.00  | 131.00  | 231.14 | 28.32                 | 251.60                                                                       | 244.00 | 240.00       | 233.00 | 134.80 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 21                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.18    | 0.18    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 21                     | 230.00  | 130.00  | 208.95 | 25.29                 | 229.60                                                                       | 224.00 | 220.00       | 205.00 | 131.50 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 21                     | 29.00   | 6.00    | 19.33  | 5.97                  | 28.70                                                                        | 23.50  | 20.00        | 16.50  | 6.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 2                      | 61.00   | 58.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 2                      | 15.00   | 15.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.40    | 0.40    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 21                     | 33.00   | 12.00   | 20.38  | 6.90                  | 32.90                                                                        | 27.00  | 18.00        | 15.50  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 21                     | 17.00   | 12.00   | 15.67  | 1.28                  | 17.00                                                                        | 16.00  | 16.00        | 15.50  | 12.10  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 0.30    | 0.30    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 14.00   | 14.00   |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 255.00  | 255.00  |        |                       |                                                                              |        |              |        |        |
| IRON, DISSOLVED (UG/L AS FE)             | 1                      | 30.00   | 30.00   |        |                       |                                                                              |        |              |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 1                      | 0.35    | 0.35    |        |                       |                                                                              |        |              |        |        |

TABLE 5.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, MEDINA COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291115099130001

WELL NUMBER: TD-69-55-401

LATITUDE: 291115

LONGITUDE: 0991300

WELL DEPTH: 2260.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                          | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                      | 12                     | 24.50   | 23.50   | 23.96  | 0.26                  | 24.50                                                                        | 24.00  | 24.00        | 24.00  | 23.50  |
| SPECIFIC CONDUCTANCE (UMHOS)             | 14                     | 2440.00 | 436.00  | 605.50 | 528.19                | 2440.00                                                                      | 479.25 | 461.00       | 457.50 | 436.00 |
| PH (UNITS)                               | 14                     | 10.90   | 6.90    | 7.62   | 0.99                  | 10.90                                                                        | 7.70   | 7.40         | 7.10   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 13                     | 50.00   | 6.70    | 21.95  | 14.59                 | 50.00                                                                        | 33.00  | 26.00        | 8.10   | 6.70   |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 13                     | 218.00  | 198.00  | 208.77 | 6.13                  | 218.00                                                                       | 213.00 | 208.00       | 204.00 | 198.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 13                     | 266.00  | 242.00  | 254.77 | 7.33                  | 266.00                                                                       | 260.00 | 254.00       | 249.00 | 242.00 |
| CARBONATE FET-FLD (MG/L AS CO3)          | 14                     | 78.00   | 0.00    | 5.57   | 20.85                 | 78.00                                                                        | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 1.38    | 1.38    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                 | 13                     | 262.00  | 214.00  | 231.08 | 11.79                 | 262.00                                                                       | 236.00 | 232.00       | 224.00 | 214.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 13                     | 59.00   | 11.00   | 22.69  | 11.84                 | 59.00                                                                        | 24.50  | 20.00        | 16.00  | 11.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 1                      | 65.00   | 65.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)        | 1                      | 15.00   | 15.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM, DISSOLVED (MG/L AS NA)           | 1                      | 6.80    | 6.80    |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                  | 1                      | 0.20    | 0.20    |        |                       |                                                                              |        |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 0.70    | 0.70    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 14                     | 27.00   | 12.00   | 16.86  | 4.29                  | 27.00                                                                        | 19.25  | 15.50        | 14.00  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 13                     | 16.00   | 12.00   | 13.46  | 1.05                  | 16.00                                                                        | 14.00  | 13.00        | 13.00  | 12.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)          | 1                      | 0.20    | 0.20    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 11.00   | 11.00   |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 255.00  | 255.00  |        |                       |                                                                              |        |              |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 1                      | 0.38    | 0.38    |        |                       |                                                                              |        |              |        |        |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED TRACE CONSTITUTENTS IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS

STATION NUMBER: 291851099342901

WELL NUMBER: YP-69-44-502

LATITUDE: 291851

LONGITUDE: 0993429

WELL DEPTH: 1380.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

[DEG C, degree Celsius; UMHOS, micromho per centimeter at 25° Celsius; MG/L, milligrams per liter;  
COLS./100 ML, colonies per 100 milliliters; TONS PER AC-FT, tons per acre-foot; UG/L, microgram per liter]

| WATER QUALITY CONSTITUENT                   | SAMPLE<br>SIZE | DESCRIPTIVE STATISTICS |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|---------------------------------------------|----------------|------------------------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                             |                | MAXIMUM                | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 4              | 29.50                  | 28.00   |        |                       |                                                                              |        |              |        |        |
| SPECIFIC CONDUCTANCE (UMHOS)                | 5              | 586.00                 | 494.00  | 531.40 | 34.10                 | 586.00                                                                       | 559.00 | 530.00       | 504.50 | 494.00 |
| PH (UNITS)                                  | 5              | 7.40                   | 6.90    | 7.16   | 0.19                  | 7.40                                                                         | 7.35   | 7.10         | 7.00   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 4              | 31.00                  | 15.00   |        |                       |                                                                              |        |              |        |        |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 5              | 202.00                 | 189.00  | 195.00 | 5.43                  | 202.00                                                                       | 199.50 | 197.00       | 189.50 | 189.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 4              | 246.00                 | 230.00  |        |                       |                                                                              |        |              |        |        |
| CARBONATE FET-FLD (MG/L AS CO3)             | 4              | 0.00                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, TOTAL (MG/L AS N)                 | 4              | 3.10                   | 2.10    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 3              | 0.57                   | 0.19    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 4              | 0.06                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 4              | 0.02                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 4              | 1.80                   | 1.10    |        |                       |                                                                              |        |              |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 4              | 2.00                   | 1.70    |        |                       |                                                                              |        |              |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 4              | 0.02                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 4              | 9.90                   | 0.50    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                    | 5              | 270.00                 | 230.00  | 250.00 | 15.81                 | 270.00                                                                       | 265.00 | 250.00       | 235.00 | 230.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 5              | 76.00                  | 33.00   | 54.80  | 16.72                 | 76.00                                                                        | 71.00  | 52.00        | 40.00  | 33.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 5              | 80.00                  | 71.00   | 75.20  | 3.70                  | 80.00                                                                        | 79.00  | 74.00        | 72.00  | 71.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)           | 5              | 17.00                  | 13.00   | 15.00  | 1.58                  | 17.00                                                                        | 16.50  | 15.00        | 13.50  | 13.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 5              | 13.00                  | 9.20    | 11.44  | 1.60                  | 13.00                                                                        | 13.00  | 11.00        | 10.10  | 9.20   |
| SODIUM ADSORPTION RATIO                     | 5              | 0.40                   | 0.30    | 0.34   | 0.05                  | 0.40                                                                         | 0.40   | 0.30         | 0.30   | 0.30   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 5              | 1.30                   | 1.10    | 1.16   | 0.09                  | 1.30                                                                         | 1.25   | 1.10         | 1.10   | 1.10   |
| CHLORIDE, DISSOLVED (MG/L AS Cl)            | 5              | 47.00                  | 23.00   | 36.40  | 8.85                  | 47.00                                                                        | 43.50  | 38.00        | 28.50  | 23.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 5              | 26.00                  | 20.00   | 22.20  | 2.39                  | 26.00                                                                        | 24.50  | 21.00        | 20.50  | 20.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 5              | 0.40                   | 0.30    | 0.36   | 0.05                  | 0.40                                                                         | 0.40   | 0.40         | 0.30   | 0.30   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 5              | 15.00                  | 12.00   | 13.00  | 1.22                  | 15.00                                                                        | 14.00  | 13.00        | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 4              | 0.00                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 4              | 1000.00                | 0.00    |        |                       |                                                                              |        |              |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 4              | 0.00                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2              | 0.10                   | 0.00    |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 5              | 308.00                 | 282.00  | 293.80 | 10.26                 | 308.00                                                                       | 303.00 | 295.00       | 284.00 | 282.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 3              | 0.41                   | 0.39    |        |                       |                                                                              |        |              |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1              | 0.20                   | 0.20    |        |                       |                                                                              |        |              |        |        |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291851099342901 WELL NUMBER: YP-69-44-502

LATITUDE: 291851 LONGITUDE: 0993429 WELL DEPTH: 1380.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |      |              |      |      |
|-----------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75   | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 4                      | 2.00    | 1.00    |      |                       |                                                                              |      |              |      |      |
| BARIUM, DISSOLVED (UG/L AS BA)    | 4                      | 200.00  | 0.00    |      |                       |                                                                              |      |              |      |      |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 4                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 4                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 4                      | 6.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| IRON, DISSOLVED (UG/L AS FE)      | 5                      | 3.00    | 0.00    | 0.60 | 1.34                  | 3.00                                                                         | 1.50 | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 4                      | 4.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| MANGANESE, DISSOLVED (UG/L AS MN) | 5                      | 4.00    | 0.00    | 0.80 | 1.79                  | 4.00                                                                         | 2.00 | 0.00         | 0.00 | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)    | 4                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 4800.00 | 4800.00 |      |                       |                                                                              |      |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 4                      | 20.00   | 0.00    |      |                       |                                                                              |      |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 4                      | 3.00    | 1.00    |      |                       |                                                                              |      |              |      |      |
| MERCURY, DISSOLVED (UG/L AS HG)   | 4                      | 0.00    | 0.00    |      |                       |                                                                              |      |              |      |      |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED TRACE CONSTITUENTS IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291909099280901

WELL NUMBER: YP-69-45-404

LATITUDE: 291909

LONGITUDE: 0992809

WELL DEPTH: 1493.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|---------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                         | 6           | 23.00                  | 23.00   | 23.00  | 0.00               | 23.00                                                                     | 23.00  | 23.00     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)                | 7           | 710.00                 | 515.00  | 589.71 | 65.65              | 710.00                                                                    | 625.00 | 575.00    | 540.00 | 515.00 |
| PH (UNITS)                                  | 6           | 7.40                   | 6.90    | 7.17   | 0.21               | 7.40                                                                      | 7.40   | 7.15      | 6.98   | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 5           | 52.00                  | 16.00   | 28.60  | 14.93              | 52.00                                                                     | 42.50  | 26.00     | 16.00  | 16.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)            | 7           | 213.00                 | 205.00  | 210.29 | 3.04               | 213.00                                                                    | 213.00 | 210.00    | 208.00 | 205.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 5           | 260.00                 | 250.00  | 256.80 | 4.60               | 260.00                                                                    | 260.00 | 260.00    | 252.00 | 250.00 |
| CARBONATE FET-FLD (MG/L AS CO3)             | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                 | 6           | 2.70                   | 2.10    | 2.45   | 0.23               | 2.70                                                                      | 2.70   | 2.45      | 2.25   | 2.10   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 5           | 0.72                   | 0.22    | 0.40   | 0.21               | 0.72                                                                      | 0.60   | 0.33      | 0.23   | 0.22   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 6           | 0.01                   | 0.00    | 0.00   | 0.01               | 0.01                                                                      | 0.01   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 4           | 2.20                   | 2.00    |        |                    |                                                                           |        |           |        |        |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 7           | 2.20                   | 1.30    | 1.89   | 0.33               | 2.20                                                                      | 2.20   | 2.00      | 1.60   | 1.30   |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 6           | 0.04                   | 0.00    | 0.02   | 0.01               | 0.04                                                                      | 0.03   | 0.03      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 6           | 17.00                  | 0.00    | 3.45   | 6.68               | 17.00                                                                     | 5.75   | 0.85      | 0.00   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                    | 7           | 310.00                 | 250.00  | 277.14 | 19.76              | 310.00                                                                    | 290.00 | 280.00    | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)         | 7           | 98.00                  | 41.00   | 67.00  | 19.13              | 98.00                                                                     | 78.00  | 70.00     | 53.00  | 41.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)             | 7           | 85.00                  | 72.00   | 78.29  | 4.23               | 85.00                                                                     | 82.00  | 77.00     | 76.00  | 72.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 7           | 24.00                  | 16.00   | 19.86  | 2.73               | 24.00                                                                     | 22.00  | 20.00     | 18.00  | 16.00  |
| SODIUM, DISSOLVED (MG/L AS Na)              | 7           | 25.00                  | 11.00   | 16.57  | 4.76               | 25.00                                                                     | 19.00  | 17.00     | 13.00  | 11.00  |
| SODIUM ADSORPTION RATIO                     | 7           | 0.60                   | 0.30    | 0.44   | 0.11               | 0.60                                                                      | 0.50   | 0.50      | 0.30   | 0.30   |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 7           | 3.20                   | 1.40    | 2.17   | 0.68               | 3.20                                                                      | 2.70   | 2.30      | 1.40   | 1.40   |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 7           | 22.00                  | 18.00   | 19.86  | 1.86               | 22.00                                                                     | 22.00  | 20.00     | 18.00  | 18.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 7           | 120.00                 | 28.00   | 68.86  | 30.66              | 120.00                                                                    | 83.00  | 77.00     | 45.00  | 28.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 7           | 0.50                   | 0.20    | 0.30   | 0.12               | 0.50                                                                      | 0.40   | 0.30      | 0.20   | 0.20   |
| SILICA, DISSOLVED (MG/L AS SiO2)            | 7           | 13.00                  | 12.00   | 12.57  | 0.53               | 13.00                                                                     | 13.00  | 13.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS. PER 100 M)   | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)      | 2           | 0.10                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 7           | 421.00                 | 282.00  | 345.14 | 44.69              | 421.00                                                                    | 363.00 | 356.00    | 317.00 | 282.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 3           | 0.49                   | 0.38    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)             | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291909099280901

WELL NUMBER: YP-69-45-404

LATITUDE: 291909

LONGITUDE: 0992809

WELL DEPTH: 1493.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT             | DESCRIPTIVE STATISTICS |         |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |       |      |
|---------------------------------------|------------------------|---------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|-------|------|
|                                       | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25    | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)       | 5                      | 1.00    | 0.00    | 0.60   | 0.55               | 1.00                                                                      | 1.00   | 1.00      | 0.00  | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)        | 5                      | 200.00  | 0.00    | 72.00  | 75.30              | 200.00                                                                    | 130.00 | 50.00     | 25.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)       | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00  | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)      | 5                      | 20.00   | 0.00    | 4.00   | 8.94               | 20.00                                                                     | 10.00  | 0.00      | 0.00  | 0.00 |
| COPPER, DISSOLVED (UG/L AS CU)        | 5                      | 5.00    | 0.00    | 2.20   | 2.28               | 5.00                                                                      | 4.50   | 2.00      | 0.00  | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)          | 6                      | 20.00   | 0.00    | 3.33   | 8.16               | 20.00                                                                     | 5.00   | 0.00      | 0.00  | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)          | 5                      | 3.00    | 0.00    | 0.60   | 1.34               | 3.00                                                                      | 1.50   | 0.00      | 0.00  | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN)     | 6                      | 4.00    | 0.00    | 0.67   | 1.63               | 4.00                                                                      | 1.00   | 0.00      | 0.00  | 0.00 |
| SILVER, DISSOLVED (UG/L AS AG)        | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00  | 0.00 |
| ZINC, DISSOLVED (UG/L AS ZN)          | 6                      | 700.00  | 0.00    | 118.17 | 285.05             | 700.00                                                                    | 179.50 | 1.50      | 0.00  | 0.00 |
| SELENIUM, DISSOLVED (UG/L AS SE)      | 5                      | 1.00    | 0.00    | 0.80   | 0.45               | 1.00                                                                      | 1.00   | 1.00      | 0.50  | 0.00 |
| NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| ALDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| LINDANE, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| CHLORDANE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| DDD, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| DDE, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| DDT, TOTAL (UG/L)                     | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| DIELDRIN, TOTAL (UG/L)                | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| ENDOSULFAN, TOTAL (UG/L)              | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| ENDRIN, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| ETHION, TOTAL (UG/L)                  | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| TOXAPHENE, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| HEPTACHLOR, TOTAL (UG/L)              | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| HEPTACHLOR EPOXIDE, TOTAL (UG/L)      | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| METHOXYCHLOR, TOTAL (UG/L)            | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| PCB, TOTAL (UG/L)                     | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| MALATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| PARATHION, TOTAL (UG/L)               | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| DIAZINON, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| METHYL PARATHION, TOTAL (UG/L)        | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| 2,4-D, TOTAL (UG/L)                   | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| 2,4,5-T, TOTAL (UG/L)                 | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| MIREX, TOTAL (UG/L)                   | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| SILVEX, TOTAL (UG/L)                  | 2                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| TRITHION, TOTAL (UG/L)                | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| METHYL TRITHION, TOTAL (UG/L)         | 1                      | 0.00    | 0.00    |        |                    |                                                                           |        |           |       |      |
| MERCURY, DISSOLVED (UG/L AS HG)       | 5                      | 0.00    | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00  | 0.00 |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291250099582001

WELL NUMBER: YP-69-49-101

LATITUDE: 291250

LONGITUDE: 0995820

WELL DEPTH: 842.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE<br>SIZE | DESCRIPTIVE STATISTICS |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |        |
|-------------------------------------------|----------------|------------------------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|--------|
|                                           |                | MAXIMUM                | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5      |
| TEMPERATURE (DEG C)                       | 12             | 26.50                  | 23.00   | 25.50   | 0.90                  | 26.50                                                                        | 26.00   | 25.75        | 25.12   | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 17             | 1530.00                | 444.00  | 1288.47 | 224.06                | 1530.00                                                                      | 1350.00 | 1330.00      | 1315.00 | 444.00 |
| PH (UNITS)                                | 17             | 7.60                   | 6.90    | 7.24    | 0.23                  | 7.60                                                                         | 7.50    | 7.20         | 7.00    | 6.90   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 17             | 111.00                 | 16.00   | 54.76   | 29.50                 | 111.00                                                                       | 86.50   | 55.00        | 27.00   | 16.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 17             | 458.00                 | 207.00  | 418.53  | 64.31                 | 458.00                                                                       | 453.00  | 443.00       | 421.00  | 207.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 17             | 558.00                 | 252.00  | 510.24  | 78.44                 | 558.00                                                                       | 552.00  | 540.00       | 513.00  | 252.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 17             | 0.00                   | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 2              | 1.33                   | 0.00    |         |                       |                                                                              |         |              |         |        |
| HARDNESS (MG/L AS CaCO3)                  | 17             | 470.00                 | 240.00  | 375.59  | 44.41                 | 470.00                                                                       | 391.00  | 380.00       | 369.00  | 240.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 17             | 78.00                  | 0.00    | 7.41    | 20.05                 | 78.00                                                                        | 0.00    | 0.00         | 0.00    | 0.00   |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 3              | 80.00                  | 70.00   |         |                       |                                                                              |         |              |         |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 3              | 50.00                  | 9.50    |         |                       |                                                                              |         |              |         |        |
| SODIUM, DISSOLVED (MG/L AS Na)            | 1              | 8.10                   | 8.10    |         |                       |                                                                              |         |              |         |        |
| SODIUM ADSORPTION RATIO                   | 2              | 4.30                   | 0.20    |         |                       |                                                                              |         |              |         |        |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 1              | 1.10                   | 1.10    |         |                       |                                                                              |         |              |         |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 17             | 138.00                 | 12.00   | 97.71   | 32.36                 | 138.00                                                                       | 109.50  | 106.00       | 105.00  | 12.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 17             | 204.00                 | 10.00   | 135.35  | 43.35                 | 204.00                                                                       | 160.50  | 133.00       | 118.00  | 10.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 1              | 0.20                   | 0.20    |         |                       |                                                                              |         |              |         |        |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 2              | 13.00                  | 12.00   |         |                       |                                                                              |         |              |         |        |
| IRON, DISSOLVED (UG/L AS FE)              | 1              | 240.00                 | 240.00  |         |                       |                                                                              |         |              |         |        |
| MANGANESE, DISSOLVED (UG/L AS MN)         | 1              | 0.00                   | 0.00    |         |                       |                                                                              |         |              |         |        |
| STRONTIUM, DISSOLVED (UG/L AS SR)         | 1              | 200.00                 | 200.00  |         |                       |                                                                              |         |              |         |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 2              | 868.00                 | 268.00  |         |                       |                                                                              |         |              |         |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 1              | 1.18                   | 1.18    |         |                       |                                                                              |         |              |         |        |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED TRACE CONSTITUTENTS IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291407099473501

WELL NUMBER: YP-69-50-203

LATITUDE: 291340

LONGITUDE: 0994742

WELL DEPTH: 525.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                  | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|--------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                            |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                        | 9           | 24.00                  | 23.00   | 23.17  | 0.35               | 24.00                                                                     | 23.25  | 23.00     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)               | 9           | 580.00                 | 538.00  | 566.44 | 14.23              | 580.00                                                                    | 578.50 | 570.00    | 556.00 | 538.00 |
| OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)   | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| PH (UNITS)                                 | 8           | 7.80                   | 7.00    | 7.20   | 0.26               | 7.80                                                                      | 7.27   | 7.10      | 7.03   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)    | 7           | 42.00                  | 6.70    | 29.96  | 12.26              | 42.00                                                                     | 40.00  | 33.00     | 21.00  | 6.70   |
| ALKALINITY FIELD (MG/L AS CaCO3)           | 9           | 217.00                 | 205.00  | 212.00 | 3.77               | 217.00                                                                    | 215.00 | 213.00    | 210.00 | 205.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)         | 7           | 265.00                 | 250.00  | 259.86 | 4.85               | 265.00                                                                    | 264.00 | 260.00    | 260.00 | 250.00 |
| CARBONATE FET-FLD (MG/L AS CO3)            | 7           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                | 7           | 3.80                   | 2.80    | 3.19   | 0.32               | 3.80                                                                      | 3.30   | 3.20      | 2.90   | 2.80   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)        | 7           | 0.91                   | 0.00    | 0.39   | 0.29               | 0.91                                                                      | 0.57   | 0.37      | 0.15   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)        | 9           | 0.09                   | 0.00    | 0.03   | 0.03               | 0.09                                                                      | 0.06   | 0.01      | 0.01   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)        | 7           | 0.01                   | 0.00    | 0.01   | 0.01               | 0.01                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)        | 6           | 3.00                   | 2.40    | 2.75   | 0.23               | 3.00                                                                      | 2.93   | 2.80      | 2.55   | 2.40   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)        | 9           | 3.00                   | 1.80    | 2.62   | 0.37               | 3.00                                                                      | 2.90   | 2.70      | 2.45   | 1.80   |
| PHOSPHORUS, TOTAL (MG/L AS P)              | 9           | 0.03                   | 0.00    | 0.02   | 0.01               | 0.03                                                                      | 0.02   | 0.02      | 0.01   | 0.00   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)      | 8           | 7.40                   | 0.00    | 2.53   | 3.09               | 7.40                                                                      | 6.00   | 1.45      | 0.08   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                   | 9           | 270.00                 | 260.00  | 264.44 | 5.27               | 270.00                                                                    | 270.00 | 260.00    | 260.00 | 260.00 |
| HARDNESS, NONCARBONATE (MG/L AS CaCO3)     | 9           | 61.00                  | 38.00   | 49.56  | 6.98               | 61.00                                                                     | 56.00  | 48.00     | 45.50  | 38.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)            | 9           | 90.00                  | 86.00   | 87.89  | 1.45               | 90.00                                                                     | 89.00  | 88.00     | 86.50  | 86.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)          | 9           | 11.00                  | 9.70    | 10.30  | 0.53               | 11.00                                                                     | 11.00  | 10.00     | 10.00  | 9.70   |
| SODIUM, DISSOLVED (MG/L AS NA)             | 9           | 15.00                  | 10.00   | 13.67  | 1.50               | 15.00                                                                     | 14.50  | 14.00     | 13.50  | 10.00  |
| SODIUM ADSORPTION RATIO                    | 9           | 0.40                   | 0.30    | 0.38   | 0.04               | 0.40                                                                      | 0.40   | 0.40      | 0.35   | 0.30   |
| POTASSIUM, DISSOLVED (MG/L AS K)           | 9           | 1.50                   | 0.90    | 1.09   | 0.18               | 1.50                                                                      | 1.15   | 1.00      | 1.00   | 0.90   |
| CHLORIDE, DISSOLVED (MG/L AS CL)           | 9           | 45.00                  | 29.00   | 39.44  | 4.48               | 45.00                                                                     | 42.00  | 40.00     | 38.00  | 29.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)           | 9           | 21.00                  | 13.00   | 16.56  | 2.30               | 21.00                                                                     | 18.00  | 16.00     | 15.50  | 13.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)            | 8           | 0.10                   | 0.10    | 0.10   | 0.00               | 0.10                                                                      | 0.10   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)           | 9           | 13.00                  | 12.00   | 12.56  | 0.53               | 13.00                                                                     | 13.00  | 13.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)     | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML)  | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)   | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL, KF AGAR(COLS./100 ML) | 4           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| STREPTOCOCCI, FECAL (COLS./100 ML)         | 2           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)     | 2           | 0.20                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)   | 9           | 319.00                 | 292.00  | 309.22 | 7.50               | 319.00                                                                    | 313.00 | 310.00    | 307.00 | 292.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)         | 6           | 0.43                   | 0.42    | 0.42   | 0.01               | 0.43                                                                      | 0.43   | 0.42      | 0.42   | 0.42   |
| BROMIDE, DISSOLVED (MG/L AS BR)            | 1           | 0.20                   | 0.20    |        |                    |                                                                           |        |           |        |        |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291407099473501 WELL NUMBER: YP-69-50-203

LATITUDE: 291340 LONGITUDE: 0994742 WELL DEPTH: 525.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 9                      | 1.00    | 0.00    | 0.67  | 0.50                  | 1.00                                                                         | 1.00  | 1.00         | 0.00 | 0.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 7                      | 53.00   | 0.00    | 29.00 | 27.15                 | 53.00                                                                        | 50.00 | 50.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 9                      | 10.00   | 0.00    | 1.78  | 3.19                  | 10.00                                                                        | 2.00  | 1.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 9                      | 20.00   | 0.00    | 4.44  | 8.82                  | 20.00                                                                        | 10.00 | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 9                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 9                      | 8.00    | 0.00    | 0.89  | 2.67                  | 8.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 7                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 1                      | 260.00  | 260.00  |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 9                      | 10.00   | 0.00    | 3.11  | 3.98                  | 10.00                                                                        | 7.00  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 7                      | 1.00    | 0.00    | 0.29  | 0.49                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 8                      | 1.90    | 0.00    | 0.34  | 0.66                  | 1.90                                                                         | 0.40  | 0.00         | 0.00 | 0.00 |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291135099495001

WELL NUMBER: YP-69-50-501

LATITUDE: 291135

LONGITUDE: 0994950

WELL DEPTH: 600.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                   | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |         |         |
|---------------------------------------------|-------------|------------------------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|---------|---------|
|                                             |             | MAXIMUM                | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25      | 5       |
| TEMPERATURE (DEG C)                         | 24          | 24.50                  | 22.00   | 23.06   | 0.66               | 24.50                                                                     | 23.50   | 23.00     | 22.62   | 22.00   |
| SPECIFIC CONDUCTANCE (UMHOS)                | 26          | 1860.00                | 1010.00 | 1265.38 | 193.56             | 1758.50                                                                   | 1385.00 | 1260.00   | 1107.50 | 1010.00 |
| PH (UNITS)                                  | 25          | 7.40                   | 6.40    | 6.94    | 0.23               | 7.37                                                                      | 7.10    | 6.90      | 6.80    | 6.46    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)     | 24          | 195.00                 | 20.00   | 64.38   | 39.47              | 176.50                                                                    | 84.00   | 57.50     | 38.00   | 21.00   |
| ALKALINITY FIELD (MG/L AS CAC03)            | 25          | 258.00                 | 230.00  | 245.48  | 7.54               | 257.40                                                                    | 252.00  | 246.00    | 240.00  | 230.90  |
| BICARBONATE FET-FLD (MG/L AS HCO3)          | 24          | 314.00                 | 284.00  | 300.04  | 8.41               | 313.50                                                                    | 307.50  | 300.00    | 294.00  | 284.50  |
| CARBONATE FET-FLD (MG/L AS CO3)             | 24          | 0.00                   | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |
| NITROGEN, TOTAL (MG/L AS N)                 | 1           | 11.00                  | 11.00   |         |                    |                                                                           |         |           |         |         |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)         | 1           | 7.10                   | 7.10    |         |                    |                                                                           |         |           |         |         |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)         | 1           | 0.02                   | 0.02    |         |                    |                                                                           |         |           |         |         |
| NITROGEN, NITRITE TOTAL (MG/L AS N)         | 1           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |         |         |
| NITROGEN, NITRATE TOTAL (MG/L AS N)         | 2           | 4.07                   | 3.80    |         |                    |                                                                           |         |           |         |         |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)         | 1           | 3.80                   | 3.80    |         |                    |                                                                           |         |           |         |         |
| PHOSPHORUS, TOTAL (MG/L AS P)               | 1           | 0.02                   | 0.02    |         |                    |                                                                           |         |           |         |         |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)       | 1           | 0.30                   | 0.30    |         |                    |                                                                           |         |           |         |         |
| HARDNESS (MG/L AS CAC03)                    | 25          | 794.00                 | 444.00  | 541.52  | 81.66              | 753.80                                                                    | 575.00  | 532.00    | 466.00  | 445.80  |
| HARDNESS, NONCARBONATE (MG/L CAC03)         | 25          | 536.00                 | 198.00  | 296.24  | 78.97              | 501.20                                                                    | 335.00  | 281.00    | 231.00  | 198.30  |
| CALCIUM, DISSOLVED (MG/L AS CA)             | 3           | 218.00                 | 160.00  |         |                    |                                                                           |         |           |         |         |
| MAGNESIUM, DISSOLVED (MG/L AS MG)           | 3           | 21.00                  | 18.00   |         |                    |                                                                           |         |           |         |         |
| SODIUM, DISSOLVED (MG/L AS NA)              | 1           | 57.00                  | 57.00   |         |                    |                                                                           |         |           |         |         |
| SODIUM ADSORPTION RATIO                     | 2           | 1.20                   | 0.90    |         |                    |                                                                           |         |           |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)            | 1           | 1.20                   | 1.20    |         |                    |                                                                           |         |           |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)            | 26          | 380.00                 | 125.00  | 194.35  | 53.69              | 338.70                                                                    | 220.00  | 187.00    | 151.00  | 126.05  |
| SULFATE, DISSOLVED (MG/L AS SO4)            | 26          | 180.00                 | 74.00   | 110.69  | 23.68              | 169.50                                                                    | 121.25  | 110.00    | 95.50   | 74.35   |
| FLUORIDE, DISSOLVED (MG/L AS F)             | 2           | 0.20                   | 0.10    |         |                    |                                                                           |         |           |         |         |
| SILICA, DISSOLVED (MG/L AS SI02)            | 2           | 17.00                  | 16.00   |         |                    |                                                                           |         |           |         |         |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)      | 1           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |         |         |
| COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)   | 1           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |         |         |
| STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML) | 1           | 0.00                   | 0.00    |         |                    |                                                                           |         |           |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L)   | 2           | 852.00                 | 669.00  |         |                    |                                                                           |         |           |         |         |
| SOLIDS, DISSOLVED (TONS PER AC-FT)          | 1           | 1.16                   | 1.16    |         |                    |                                                                           |         |           |         |         |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291135099495001

WELL NUMBER: YP-69-50-501

LATITUDE: 291135

LONGITUDE: 0994950

WELL DEPTH: 600.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |      |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |    |              |    |   |
|-----------------------------------|------------------------|---------|---------|------|-----------------------|------------------------------------------------------------------------------|----|--------------|----|---|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN | STANDARD<br>DEVIATION | 95                                                                           | 75 | MEDIAN<br>50 | 25 | 5 |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| BARIUM, DISSOLVED (UG/L AS BA)    | 1                      | 90.00   | 90.00   |      |                       |                                                                              |    |              |    |   |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| COPPER, DISSOLVED (UG/L AS CU)    | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| IRON, DISSOLVED (UG/L AS FE)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| LEAD, DISSOLVED (UG/L AS PB)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| MANGANESE, DISSOLVED (UG/L AS MN) | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SILVER, DISSOLVED (UG/L AS AG)    | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| ZINC, DISSOLVED (UG/L AS ZN)      | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 1                      | 1.00    | 1.00    |      |                       |                                                                              |    |              |    |   |
| MERCURY, DISSOLVED (UG/L AS HG)   | 1                      | 0.00    | 0.00    |      |                       |                                                                              |    |              |    |   |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED TRACE CONSTITUENTS IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291210099475601

WELL NUMBER: YP-69-50-506

LATITUDE: 291210

LONGITUDE: 0994756

WELL DEPTH: 525.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                  | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|--------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                            |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                        | 7           | 24.00                  | 23.00   | 23.43  | 0.35               | 24.00                                                                     | 23.50  | 23.50     | 23.00  | 23.00  |
| SPECIFIC CONDUCTANCE (UMHOS)               | 7           | 612.00                 | 570.00  | 589.57 | 16.74              | 612.00                                                                    | 611.00 | 587.00    | 576.00 | 570.00 |
| PH (UNITS)                                 | 7           | 7.50                   | 7.00    | 7.24   | 0.19               | 7.50                                                                      | 7.50   | 7.20      | 7.10   | 7.00   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)    | 5           | 43.00                  | 13.00   | 24.40  | 12.14              | 43.00                                                                     | 34.50  | 26.00     | 13.50  | 13.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)           | 7           | 226.00                 | 210.00  | 215.14 | 6.04               | 226.00                                                                    | 221.00 | 213.00    | 210.00 | 210.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)         | 5           | 275.00                 | 260.00  | 265.00 | 7.07               | 275.00                                                                    | 272.50 | 260.00    | 260.00 | 260.00 |
| CARBONATE FET-FLD (MG/L AS CO3)            | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, TOTAL (MG/L AS N)                | 6           | 4.10                   | 2.20    | 3.45   | 0.69               | 4.10                                                                      | 3.95   | 3.65      | 2.95   | 2.20   |
| NITROGEN, ORGANIC TOTAL (MG/L AS N)        | 5           | 0.97                   | 0.00    | 0.45   | 0.38               | 0.97                                                                      | 0.83   | 0.39      | 0.11   | 0.00   |
| NITROGEN, AMMONIA TOTAL (MG/L AS N)        | 7           | 0.04                   | 0.00    | 0.02   | 0.01               | 0.04                                                                      | 0.03   | 0.03      | 0.02   | 0.00   |
| NITROGEN, NITRITE TOTAL (MG/L AS N)        | 6           | 0.02                   | 0.00    | 0.01   | 0.01               | 0.02                                                                      | 0.01   | 0.01      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)        | 5           | 3.80                   | 1.80    | 2.96   | 0.90               | 3.80                                                                      | 3.70   | 3.40      | 2.00   | 1.80   |
| NITROGEN, NO2+NO3 TOTAL (MG/L AS N)        | 7           | 3.80                   | 1.80    | 3.06   | 0.77               | 3.80                                                                      | 3.60   | 3.40      | 2.20   | 1.80   |
| PHOSPHORUS, TOTAL (MG/L AS P)              | 7           | 0.02                   | 0.01    | 0.01   | 0.01               | 0.02                                                                      | 0.02   | 0.01      | 0.01   | 0.01   |
| CARBON, ORGANIC DISSOLVED (MG/L AS C)      | 7           | 12.00                  | 0.00    | 2.57   | 4.29               | 12.00                                                                     | 3.00   | 0.50      | 0.40   | 0.00   |
| HARDNESS (MG/L AS CaCO3)                   | 7           | 280.00                 | 250.00  | 268.57 | 12.15              | 280.00                                                                    | 280.00 | 270.00    | 260.00 | 250.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)        | 7           | 69.00                  | 40.00   | 53.29  | 10.86              | 69.00                                                                     | 66.00  | 49.00     | 45.00  | 40.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)            | 7           | 99.00                  | 88.00   | 93.43  | 4.43               | 99.00                                                                     | 98.00  | 95.00     | 89.00  | 88.00  |
| MAGNESIUM, DISSOLVED (MG/L AS MG)          | 7           | 9.70                   | 8.00    | 8.51   | 0.56               | 9.70                                                                      | 8.60   | 8.40      | 8.10   | 8.00   |
| SODIUM, DISSOLVED (MG/L AS NA)             | 7           | 19.00                  | 15.00   | 17.00  | 1.91               | 19.00                                                                     | 19.00  | 18.00     | 15.00  | 15.00  |
| SODIUM ADSORPTION RATIO                    | 7           | 0.50                   | 0.40    | 0.46   | 0.05               | 0.50                                                                      | 0.50   | 0.50      | 0.40   | 0.40   |
| POTASSIUM, DISSOLVED (MG/L AS K)           | 7           | 1.90                   | 1.00    | 1.21   | 0.31               | 1.90                                                                      | 1.20   | 1.10      | 1.10   | 1.00   |
| CHLORIDE, DISSOLVED (MG/L AS CL)           | 7           | 67.00                  | 34.00   | 42.14  | 11.57              | 67.00                                                                     | 42.00  | 41.00     | 34.00  | 34.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)           | 7           | 28.00                  | 21.00   | 23.43  | 2.23               | 28.00                                                                     | 24.00  | 23.00     | 22.00  | 21.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)            | 6           | 0.30                   | 0.10    | 0.17   | 0.10               | 0.30                                                                      | 0.30   | 0.10      | 0.10   | 0.10   |
| SILICA, DISSOLVED (MG/L AS SiO2)           | 7           | 13.00                  | 12.00   | 12.57  | 0.53               | 13.00                                                                     | 13.00  | 13.00     | 12.00  | 12.00  |
| COLIFORM, TOTAL, IMMED. (COLS./100 ML)     | 6           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| COLIFORM, FECAL, 0.45 UM-MF(COLS./100 ML)  | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| COLIFORM, FECAL, 0.7 UM-MF(COLS./100 ML)   | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL, KF AGAR(COLS./100 ML) | 5           | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| STREPTOCOCCI, FECAL (COLS./100 ML)         | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)     | 2           | 0.20                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L)   | 7           | 359.00                 | 309.00  | 328.14 | 18.93              | 359.00                                                                    | 338.00 | 332.00    | 310.00 | 309.00 |
| SOLIDS, DISSOLVED (TONS PER AC-FT)         | 4           | 0.49                   | 0.42    |        |                    |                                                                           |        |           |        |        |
| BROMIDE, DISSOLVED (MG/L AS BR)            | 1           | 0.80                   | 0.80    |        |                    |                                                                           |        |           |        |        |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291210099475601 WELL NUMBER: YP-69-50-506

LATITUDE: 291210 LONGITUDE: 0994756 WELL DEPTH: 525.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT         | DESCRIPTIVE STATISTICS |         |         |       |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |       |              |      |      |
|-----------------------------------|------------------------|---------|---------|-------|-----------------------|------------------------------------------------------------------------------|-------|--------------|------|------|
|                                   | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN  | STANDARD<br>DEVIATION | 95                                                                           | 75    | MEDIAN<br>50 | 25   | 5    |
| ARSENIC, DISSOLVED (UG/L AS AS)   | 7                      | 1.00    | 1.00    | 1.00  | 0.00                  | 1.00                                                                         | 1.00  | 1.00         | 1.00 | 1.00 |
| BARIUM, DISSOLVED (UG/L AS BA)    | 5                      | 65.00   | 0.00    | 37.00 | 33.84                 | 65.00                                                                        | 62.50 | 60.00        | 0.00 | 0.00 |
| CADMIUM, DISSOLVED (UG/L AS CD)   | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| CHROMIUM, DISSOLVED (UG/L AS CR)  | 8                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| COBALT, DISSOLVED (UG/L AS CO)    | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| COPPER, DISSOLVED (UG/L AS CU)    | 7                      | 14.00   | 0.00    | 2.71  | 5.12                  | 14.00                                                                        | 3.00  | 0.00         | 0.00 | 0.00 |
| IRON, DISSOLVED (UG/L AS FE)      | 7                      | 20.00   | 0.00    | 5.71  | 9.76                  | 20.00                                                                        | 20.00 | 0.00         | 0.00 | 0.00 |
| LEAD, DISSOLVED (UG/L AS PB)      | 7                      | 1.00    | 0.00    | 0.14  | 0.38                  | 1.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| MANGANESE, DISSOLVED (UG/L AS MN) | 7                      | 4.00    | 0.00    | 0.71  | 1.50                  | 4.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| NICKEL, DISSOLVED (UG/L AS NI)    | 2                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SILVER, DISSOLVED (UG/L AS AG)    | 5                      | 0.00    | 0.00    | 0.00  | 0.00                  | 0.00                                                                         | 0.00  | 0.00         | 0.00 | 0.00 |
| STRONTIUM, DISSOLVED (UG/L AS SR) | 2                      | 360.00  | 360.00  |       |                       |                                                                              |       |              |      |      |
| ZINC, DISSOLVED (UG/L AS ZN)      | 7                      | 8.00    | 0.00    | 2.14  | 3.67                  | 8.00                                                                         | 7.00  | 0.00         | 0.00 | 0.00 |
| ALUMINUM, DISSOLVED (UG/L AS AL)  | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| LITHIUM, DISSOLVED (UG/L AS LI)   | 1                      | 0.00    | 0.00    |       |                       |                                                                              |       |              |      |      |
| SELENIUM, DISSOLVED (UG/L AS SE)  | 5                      | 1.00    | 0.00    | 0.40  | 0.55                  | 1.00                                                                         | 1.00  | 0.00         | 0.00 | 0.00 |
| MERCURY, DISSOLVED (UG/L AS HG)   | 7                      | 0.10    | 0.00    | 0.03  | 0.05                  | 0.10                                                                         | 0.10  | 0.00         | 0.00 | 0.00 |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291030099472001

WELL NUMBER: YP-69-50-601

LATITUDE: 291030

LONGITUDE: 0994720

WELL DEPTH: 562.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT               | DESCRIPTIVE STATISTICS |         |         |         |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |              |         |        |
|-----------------------------------------|------------------------|---------|---------|---------|-----------------------|------------------------------------------------------------------------------|---------|--------------|---------|--------|
|                                         | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN    | STANDARD<br>DEVIATION | 95                                                                           | 75      | MEDIAN<br>50 | 25      | 5      |
| TEMPERATURE (DEG C)                     | 3                      | 25.50   | 24.50   |         |                       |                                                                              |         |              |         |        |
| SPECIFIC CONDUCTANCE (UMHOS)            | 14                     | 1610.00 | 560.00  | 1234.36 | 323.97                | 1610.00                                                                      | 1492.50 | 1355.00      | 1075.00 | 560.00 |
| PH (UNITS)                              | 14                     | 7.70    | 6.40    | 7.11    | 0.29                  | 7.70                                                                         | 7.22    | 7.10         | 7.05    | 6.40   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2) | 14                     | 167.00  | 8.30    | 41.81   | 39.03                 | 167.00                                                                       | 42.50   | 32.50        | 21.50   | 8.30   |
| ALKALINITY FIELD (MG/L AS CaCO3)        | 14                     | 244.00  | 164.00  | 213.86  | 21.75                 | 244.00                                                                       | 230.00  | 217.00       | 208.25  | 164.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)      | 14                     | 298.00  | 200.00  | 260.57  | 26.60                 | 298.00                                                                       | 280.00  | 264.00       | 253.50  | 200.00 |
| CARBONATE FET-FLD (MG/L AS CO3)         | 14                     | 0.00    | 0.00    | 0.00    | 0.00                  | 0.00                                                                         | 0.00    | 0.00         | 0.00    | 0.00   |
| HARDNESS (MG/L AS CaCO3)                | 14                     | 756.00  | 240.00  | 586.79  | 159.79                | 756.00                                                                       | 708.75  | 670.00       | 503.00  | 240.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)     | 14                     | 540.00  | 64.00   | 373.14  | 155.04                | 540.00                                                                       | 492.75  | 442.00       | 293.50  | 64.00  |
| CHLORIDE, DISSOLVED (MG/L AS CL)        | 13                     | 112.00  | 41.00   | 83.85   | 23.93                 | 112.00                                                                       | 102.50  | 96.00        | 69.50   | 41.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)        | 13                     | 553.00  | 40.00   | 337.85  | 162.48                | 553.00                                                                       | 445.00  | 398.00       | 260.00  | 40.00  |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291025099435001

WELL NUMBER: YP-69-51-401

LATITUDE: 291025

LONGITUDE: 0994350

WELL DEPTH: 400.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | DESCRIPTIVE STATISTICS |         |         |        |                       | PERCENT OF SAMPLES IN WHICH VALUES<br>WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |              |        |        |
|-------------------------------------------|------------------------|---------|---------|--------|-----------------------|------------------------------------------------------------------------------|--------|--------------|--------|--------|
|                                           | SAMPLE<br>SIZE         | MAXIMUM | MINIMUM | MEAN   | STANDARD<br>DEVIATION | 95                                                                           | 75     | MEDIAN<br>50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 10                     | 26.00   | 24.50   | 25.15  | 0.41                  | 26.00                                                                        | 25.50  | 25.00        | 25.00  | 24.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 11                     | 798.00  | 574.00  | 660.55 | 70.02                 | 798.00                                                                       | 681.00 | 634.00       | 622.00 | 574.00 |
| PH (UNITS)                                | 11                     | 7.30    | 6.60    | 7.02   | 0.19                  | 7.30                                                                         | 7.10   | 7.10         | 6.90   | 6.60   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 11                     | 119.00  | 24.00   | 50.36  | 26.66                 | 119.00                                                                       | 60.00  | 39.00        | 36.00  | 24.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 11                     | 251.00  | 235.00  | 244.09 | 4.74                  | 251.00                                                                       | 249.00 | 243.00       | 241.00 | 235.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 11                     | 306.00  | 286.00  | 297.64 | 5.92                  | 306.00                                                                       | 304.00 | 296.00       | 294.00 | 286.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 11                     | 0.00    | 0.00    | 0.00   | 0.00                  | 0.00                                                                         | 0.00   | 0.00         | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 2                      | 3.39    | 0.41    |        |                       |                                                                              |        |              |        |        |
| PHOSPHORUS, TOTAL (MG/L AS P)             | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 11                     | 350.00  | 276.00  | 308.00 | 23.51                 | 350.00                                                                       | 314.00 | 304.00       | 292.00 | 276.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 11                     | 100.00  | 24.00   | 63.36  | 22.58                 | 100.00                                                                       | 74.00  | 60.00        | 49.00  | 24.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 4                      | 120.00  | 94.00   |        |                       |                                                                              |        |              |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)         | 4                      | 12.00   | 10.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)            | 1                      | 29.00   | 29.00   |        |                       |                                                                              |        |              |        |        |
| SODIUM ADSORPTION RATIO                   | 2                      | 0.70    | 0.70    |        |                       |                                                                              |        |              |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 1                      | 1.50    | 1.50    |        |                       |                                                                              |        |              |        |        |
| CHLORIDE, DISSOLVED (MG/L AS Cl)          | 11                     | 73.00   | 27.00   | 42.82  | 15.17                 | 73.00                                                                        | 44.00  | 39.00        | 34.00  | 27.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 11                     | 59.00   | 35.00   | 44.64  | 9.43                  | 59.00                                                                        | 57.00  | 43.00        | 37.00  | 35.00  |
| FLUORIDE, DISSOLVED (MG/L AS F)           | 2                      | 0.80    | 0.40    |        |                       |                                                                              |        |              |        |        |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 2                      | 14.00   | 14.00   |        |                       |                                                                              |        |              |        |        |
| IRON, DISSOLVED (UG/L AS Fe)              | 1                      | 50.00   | 50.00   |        |                       |                                                                              |        |              |        |        |
| MANGANESE, DISSOLVED (UG/L AS Mn)         | 1                      | 0.00    | 0.00    |        |                       |                                                                              |        |              |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 2                      | 471.00  | 361.00  |        |                       |                                                                              |        |              |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 1                      | 0.49    | 0.49    |        |                       |                                                                              |        |              |        |        |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 291150099373501

WELL NUMBER: YP-69-52-401

LATITUDE: 291150

LONGITUDE: 0993735

WELL DEPTH: 1410.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                | DESCRIPTIVE STATISTICS |         |         |         |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |         |           |         |         |
|------------------------------------------|------------------------|---------|---------|---------|--------------------|---------------------------------------------------------------------------|---------|-----------|---------|---------|
|                                          | SAMPLE SIZE            | MAXIMUM | MINIMUM | MEAN    | STANDARD DEVIATION | 95                                                                        | 75      | MEDIAN 50 | 25      | 5       |
| TEMPERATURE (DEG C)                      | 11                     | 34.00   | 32.00   | 33.45   | 0.61               | 34.00                                                                     | 34.00   | 33.50     | 33.00   | 32.00   |
| SPECIFIC CONDUCTANCE (UMHOS)             | 15                     | 3240.00 | 3080.00 | 3158.67 | 53.70              | 3240.00                                                                   | 3220.00 | 3150.00   | 3120.00 | 3080.00 |
| PH (UNITS)                               | 14                     | 7.80    | 6.60    | 7.07    | 0.36               | 7.80                                                                      | 7.42    | 6.95      | 6.80    | 6.60    |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)  | 14                     | 132.00  | 8.20    | 59.01   | 37.56              | 132.00                                                                    | 87.75   | 60.00     | 20.00   | 8.20    |
| ALKALINITY FIELD (MG/L AS CaCO3)         | 14                     | 292.00  | 259.00  | 272.64  | 10.22              | 292.00                                                                    | 282.00  | 270.00    | 265.50  | 259.00  |
| BICARBONATE FET-FLD (MG/L AS HCO3)       | 14                     | 356.00  | 316.00  | 332.43  | 12.38              | 356.00                                                                    | 343.50  | 329.00    | 323.50  | 316.00  |
| CARBONATE FET-FLD (MG/L AS CO3)          | 14                     | 0.00    | 0.00    | 0.00    | 0.00               | 0.00                                                                      | 0.00    | 0.00      | 0.00    | 0.00    |
| NITROGEN, NITRATE TOTAL (MG/L AS N)      | 1                      | 0.11    | 0.11    |         |                    |                                                                           |         |           |         |         |
| HARDNESS (MG/L AS CaCO3)                 | 14                     | 896.00  | 830.00  | 866.50  | 18.66              | 896.00                                                                    | 880.00  | 867.50    | 856.25  | 830.00  |
| HARDNESS, NONCARBONATE (MG/L CaCO3)      | 14                     | 626.00  | 566.00  | 594.29  | 19.04              | 626.00                                                                    | 608.75  | 599.00    | 569.75  | 566.00  |
| CALCIUM, DISSOLVED (MG/L AS Ca)          | 5                      | 220.00  | 215.00  | 218.80  | 2.17               | 220.00                                                                    | 220.00  | 220.00    | 217.00  | 215.00  |
| MAGNESIUM, DISSOLVED (MG/L AS Mg)        | 5                      | 76.00   | 72.00   | 74.20   | 1.48               | 76.00                                                                     | 75.50   | 74.00     | 73.00   | 72.00   |
| SODIUM, DISSOLVED (MG/L AS Na)           | 1                      | 414.00  | 414.00  |         |                    |                                                                           |         |           |         |         |
| SODIUM ADSORPTION RATIO                  | 1                      | 6.10    | 6.10    |         |                    |                                                                           |         |           |         |         |
| POTASSIUM, DISSOLVED (MG/L AS K)         | 1                      | 22.00   | 22.00   |         |                    |                                                                           |         |           |         |         |
| CHLORIDE, DISSOLVED (MG/L AS CL)         | 15                     | 440.00  | 410.00  | 423.47  | 8.67               | 440.00                                                                    | 430.00  | 425.00    | 420.00  | 410.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)         | 15                     | 928.00  | 844.00  | 880.40  | 25.30              | 928.00                                                                    | 902.00  | 880.00    | 856.00  | 844.00  |
| SILICA, DISSOLVED (MG/L AS SiO2)         | 1                      | 18.00   | 18.00   |         |                    |                                                                           |         |           |         |         |
| BORON, DISSOLVED (UG/L AS B)             | 1                      | 470.00  | 470.00  |         |                    |                                                                           |         |           |         |         |
| SOLIDS, SUM OF CONSTITUENTS, DISS.(MG/L) | 1                      | 2200.00 | 2200.00 |         |                    |                                                                           |         |           |         |         |
| SOLIDS, DISSOLVED (TONS PER AC-FT)       | 1                      | 2.99    | 2.99    |         |                    |                                                                           |         |           |         |         |

TABLE 6.--STATISTICAL SUMMARY OF SELECTED WATER-QUALITY DATA IN THE EDWARDS AQUIFER, UVALDE COUNTY, TEXAS--CONTINUED

STATION NUMBER: 290850099284101 WELL NUMBER: YP-69-53-701

LATITUDE: 290850 LONGITUDE: 0992841 WELL DEPTH: 2575.00

## SUMMARY OF SELECTED WATER-QUALITY DATA COLLECTED AT PERIODIC INTERVALS

| WATER QUALITY CONSTITUENT                 | SAMPLE SIZE | DESCRIPTIVE STATISTICS |         |        |                    | PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN |        |           |        |        |
|-------------------------------------------|-------------|------------------------|---------|--------|--------------------|---------------------------------------------------------------------------|--------|-----------|--------|--------|
|                                           |             | MAXIMUM                | MINIMUM | MEAN   | STANDARD DEVIATION | 95                                                                        | 75     | MEDIAN 50 | 25     | 5      |
| TEMPERATURE (DEG C)                       | 14          | 39.00                  | 25.50   | 36.11  | 3.28               | 39.00                                                                     | 38.00  | 37.00     | 36.00  | 25.50  |
| SPECIFIC CONDUCTANCE (UMHOS)              | 16          | 684.00                 | 630.00  | 658.12 | 13.72              | 684.00                                                                    | 666.00 | 658.00    | 647.25 | 630.00 |
| PH (UNITS)                                | 16          | 7.50                   | 6.70    | 7.17   | 0.25               | 7.50                                                                      | 7.37   | 7.20      | 7.00   | 6.70   |
| CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)   | 16          | 70.00                  | 12.00   | 28.25  | 16.81              | 70.00                                                                     | 36.00  | 23.00     | 15.75  | 12.00  |
| ALKALINITY FIELD (MG/L AS CaCO3)          | 16          | 190.00                 | 180.00  | 185.56 | 3.14               | 190.00                                                                    | 188.50 | 186.00    | 182.50 | 180.00 |
| BICARBONATE FET-FLD (MG/L AS HCO3)        | 16          | 232.00                 | 220.00  | 226.25 | 3.79               | 232.00                                                                    | 229.50 | 227.00    | 222.50 | 220.00 |
| CARBONATE FET-FLD (MG/L AS CO3)           | 16          | 0.00                   | 0.00    | 0.00   | 0.00               | 0.00                                                                      | 0.00   | 0.00      | 0.00   | 0.00   |
| NITROGEN, NITRATE TOTAL (MG/L AS N)       | 1           | 0.00                   | 0.00    |        |                    |                                                                           |        |           |        |        |
| HARDNESS (MG/L AS CaCO3)                  | 16          | 336.00                 | 300.00  | 315.12 | 9.29               | 336.00                                                                    | 320.00 | 313.00    | 310.50 | 300.00 |
| HARDNESS, NONCARBONATE (MG/L CaCO3)       | 16          | 149.00                 | 115.00  | 129.62 | 9.04               | 149.00                                                                    | 133.50 | 129.00    | 122.50 | 115.00 |
| CALCIUM, DISSOLVED (MG/L AS Ca)           | 2           | 89.00                  | 84.00   |        |                    |                                                                           |        |           |        |        |
| MAGNESIUM, DISSOLVED (MG/L AS MG)         | 2           | 24.00                  | 22.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM, DISSOLVED (MG/L AS Na)            | 1           | 17.00                  | 17.00   |        |                    |                                                                           |        |           |        |        |
| SODIUM ADSORPTION RATIO                   | 1           | 0.40                   | 0.40    |        |                    |                                                                           |        |           |        |        |
| POTASSIUM, DISSOLVED (MG/L AS K)          | 1           | 1.70                   | 1.70    |        |                    |                                                                           |        |           |        |        |
| CHLORIDE, DISSOLVED (MG/L AS CL)          | 16          | 36.00                  | 25.00   | 29.50  | 2.97               | 36.00                                                                     | 31.75  | 28.50     | 27.25  | 25.00  |
| SULFATE, DISSOLVED (MG/L AS SO4)          | 16          | 122.00                 | 110.00  | 117.06 | 3.59               | 122.00                                                                    | 120.00 | 117.00    | 115.00 | 110.00 |
| SILICA, DISSOLVED (MG/L AS SiO2)          | 1           | 15.00                  | 15.00   |        |                    |                                                                           |        |           |        |        |
| SOLIDS, SUM OF CONSTITUENTS, DISS. (MG/L) | 1           | 414.00                 | 414.00  |        |                    |                                                                           |        |           |        |        |
| SOLIDS, DISSOLVED (TONS PER AC-FT)        | 1           | 0.56                   | 0.56    |        |                    |                                                                           |        |           |        |        |

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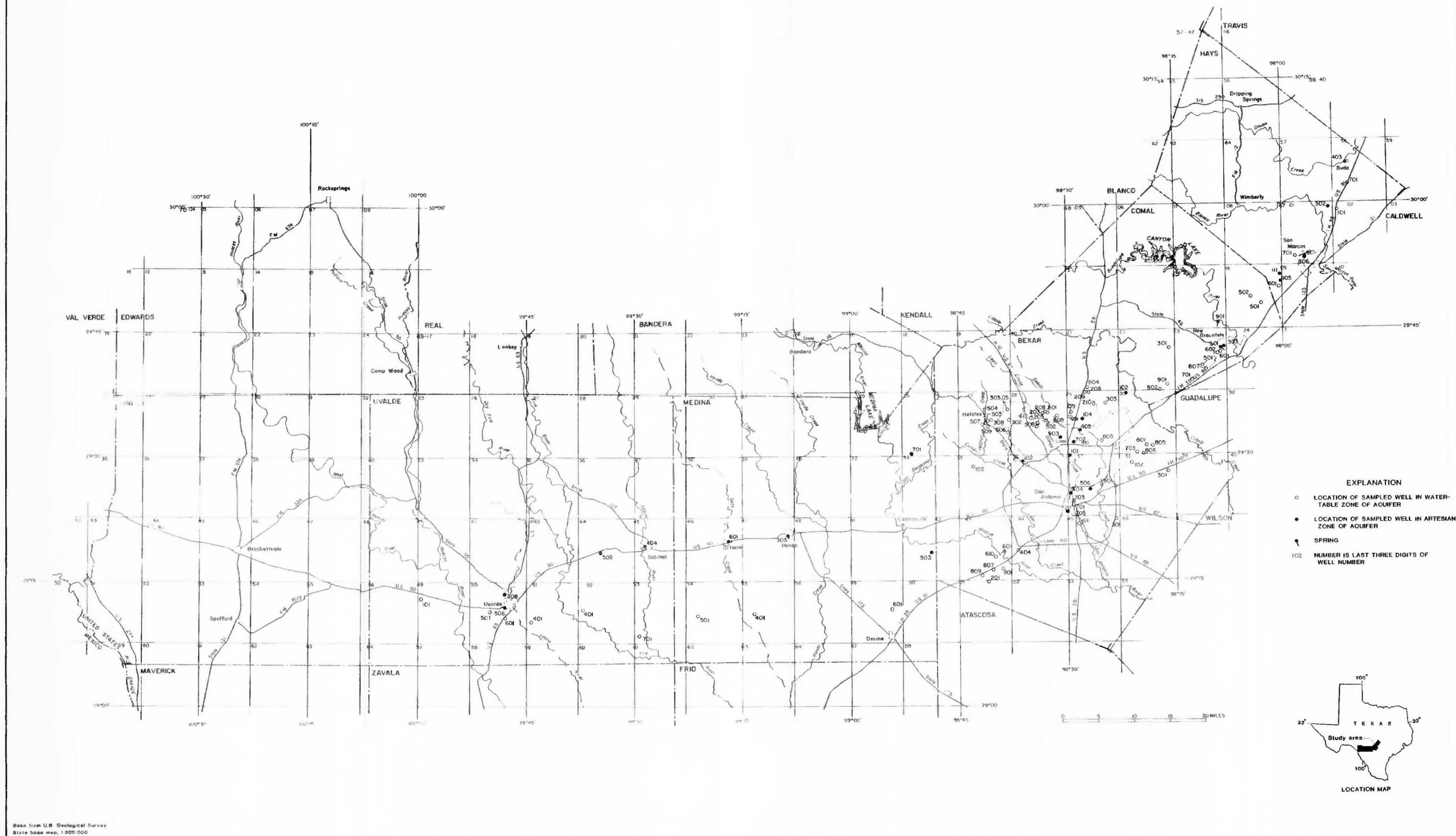


Figure 1.—Location of study area and data-collection sites.