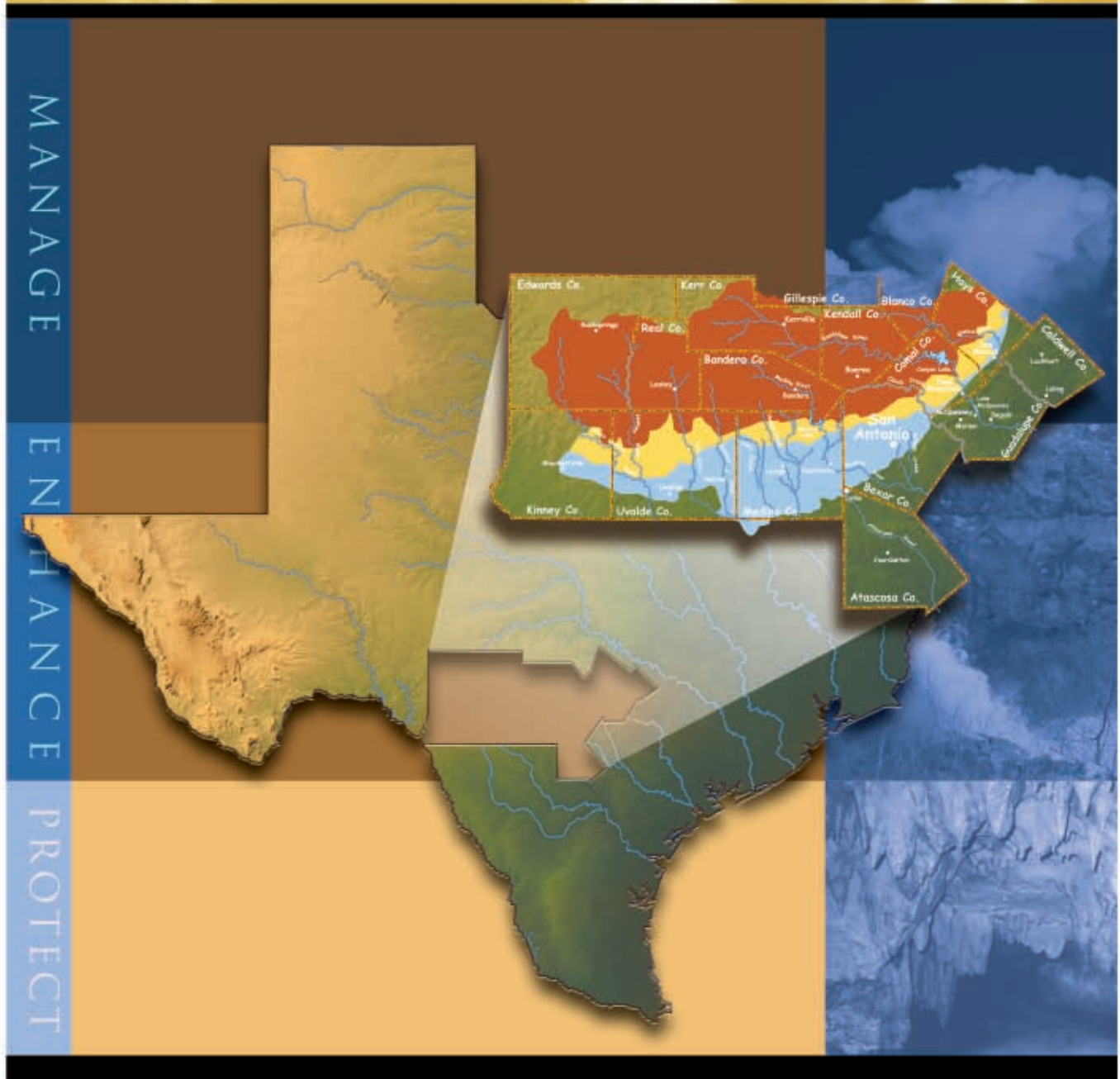


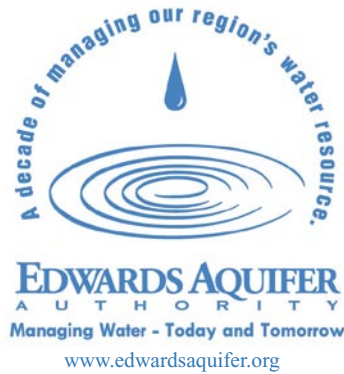
Edwards Aquifer Authority Hydrologic Data Report for 2005



EDWARDS AQUIFER
AUTHORITY

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Hydrologic Data Report for 2005

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INTRODUCTION

The Balcones Fault Zone Edwards Aquifer in south central Texas is one of the most permeable and productive aquifers in the United States. The San Antonio segment of the aquifer, which is the subject of this report, extends from the groundwater divide near Brackettville in Kinney County, east to the City of San Antonio in Bexar County, then northeast to the groundwater divide near Kyle in Hays County—a distance of approximately 180 miles (Fig. 1). The aquifer, the primary source of water for approximately 1.9 million people in the region (<http://quick-facts.census.gov/qfd/>), provides most of the water for agriculture and industry. In addition, the aquifer discharges through a series of large springs that provide aquatic habitat for a number of threatened and endangered species. Springflow also provides a significant portion of water for downstream interests in the Guadalupe River basin.

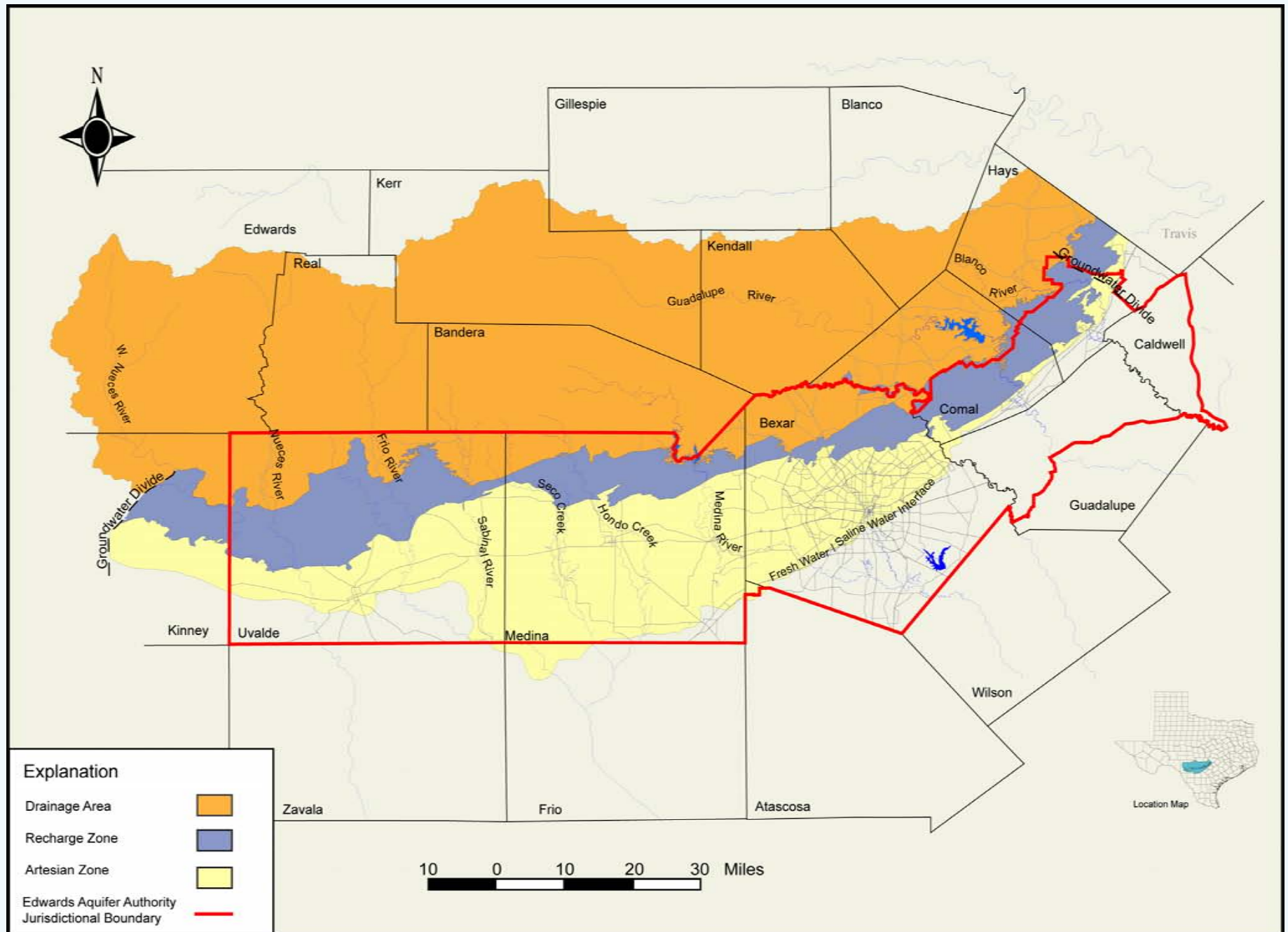
The Edwards Aquifer Authority (Authority) was created by the Texas Legislature in 1993 to replace the Edwards Underground Water District (EUWD) as a special regional water management district in charge of the San Antonio segment of the Edwards Aquifer. The Authority's jurisdictional area encompasses all or parts of eight counties, including Uvalde, Medina, Atascosa, Bexar, Comal, Guadalupe, Hays, and Caldwell (Fig. 1). The Authority is governed by a 17-member board of directors, with voting members elected to represent 15 districts across the Authority's region and two non-voting appointed members. Directors represent agricultural, industrial,

domestic, municipal, spring, and downstream user groups. The Legislature also created the South Central Texas Water Advisory Committee (SCTWAC) to interact with the Authority on downstream water issues.

The Legislature mandated that the Authority take all necessary measures to effectively manage the resource to ensure domestic and municipal water supplies, promote the operation of existing agriculture and industry, protect terrestrial and aquatic habitat, and sustain the economic development of the region. To accomplish these goals, the Authority is vested with all of the "powers, rights, and privileges necessary to manage, conserve, preserve, and protect the aquifer, and to increase the recharge of, and prevent the waste or pollution of water in, the aquifer" [The Edwards Aquifer Authority Act, as amended.] *The Act is available in pdf format at www.edwardsaquifer.org.*

This report presents the results of the Authority's Edwards Aquifer data collection program for calendar year 2005. The Authority and cooperating agencies collected a wide variety of data regarding the Edwards Aquifer, including water levels, precipitation measurements, recharge estimates, groundwater discharge and use, and water quality samples. In addition, the report contains historical annual data for the period of record (1934–2005). The report also describes each type of data that were collected and includes a summary of the 2005 data and definitions.

Figure 1. San Antonio Segment of the Balcones Fault Zone, Edwards Aquifer and Other Physiographic Features in the Region



HYDROGEOLOGY OF THE EDWARDS AQUIFER

The San Antonio Segment of the Balcones Fault Zone Edwards Aquifer in south central Texas is one of the largest and most important karst aquifer systems in the United States. Generally the water quality in the aquifer is high. The aquifer extends through parts of Kinney, Uvalde, Medina, Frio, Atascosa, Bexar, Comal, Guadalupe, and Hays counties and covers an area approximately 180 miles long and five to 40 miles wide. The aquifer is the primary water source for much of this area, including the City of San Antonio. Historically the cities of Uvalde, San Antonio, New Braunfels, and San Marcos were founded around large springs that flow from the aquifer. As the region grew, wells were drilled into the aquifer to supplement the water supplied by the springs. In addition, the Edwards Aquifer is the principal source of water for agriculture and industry in the region, providing springflow required for endangered species habitat, as well as recreational purposes and downstream uses in the Nueces, Medina, Guadalupe, and San Marcos River basins.

The Edwards Aquifer is contained within the Cretaceous-age Edwards Group limestone (Edwards Limestone) and associated units. The aquifer is generally capped by the Del Rio Clay and overlays the Glen Rose Formation (upper unit of the Trinity Aquifer). The Edwards Limestone and associated units range from 450 to over 600 feet in thickness in the region. A series of faults in the Balcones Fault Zone has exposed the Edwards Limestone at the surface along the southern boundary of the Texas Hill Country. Downfaulting has dropped the Edwards Limestone to great depths below the surface along the aquifer's southern and eastern boundaries. In some areas, freshwater can be found in the Edwards Limestone as much as 4,000 feet below the surface.

Water circulates through the Edwards Aquifer as part of the hydrologic cycle from recharge areas to discharge points (springs and wells). Approximately 1,250 square miles of Edwards Limestone is exposed at the ground surface and composes the recharge zone of the aquifer. Streams flow south from the drainage area (the Texas Hill Country) and lose all or most

of their base flow as they cross the recharge zone. In addition, part of the rain that falls directly on the recharge zone also enters the aquifer. Groundwater moves through the aquifer and ultimately discharges from a number of locations, such as Leona Springs in Uvalde County, San Pedro and San Antonio springs in Bexar County, Hueco and Comal springs in Comal County, and San Marcos Springs in Hays County. In addition, domestic, livestock, municipal, agricultural, and industrial wells throughout the region withdraw water from the aquifer. The residence time of water in the aquifer ranges from a few hours or days to many years, depending on depth of circulation, location, and other aquifer parameters.

The Edwards Aquifer is a karst aquifer, characterized by the presence of sinkholes, sinking streams, caves, large springs, and a well-integrated subsurface drainage system. It is one of the most productive groundwater systems in the United States, characterized by high-capacity water wells and high spring discharges. The aquifer exhibits high (cavernous) porosity and permeability, which is characteristic of many karst aquifers. In contrast, aquifers that occur in sand and gravel or in other rock types, such as sandstone, have a much lower permeability. Because the Edwards Aquifer is known for having areas of high permeability, it allows the transmission of large volumes of water, consequently enabling groundwater levels to respond quickly to rainfall (recharge) events.

Historically, water quality in the Edwards Aquifer has been protected by its great depth below population centers and undeveloped land in the recharge zone and drainage area. However, there are potential threats to the quality of water in the aquifer from various sources, including the transport and use of hazardous materials and other chemicals on the recharge zone, abandoned or poorly completed water wells, and urban nonpoint runoff. The high porosity and permeability of the Edwards Aquifer allows inflow of contaminants from the ground surface with little or no filtration.

GROUNDWATER LEVELS

The Authority currently maintains a groundwater level monitoring network from eastern Kinney County to central Hays County. Figures 2a, b, c indicates the locations of the Authority's observation well network within the Edwards Aquifer region. The water level observation network includes both the water table (unconfined) and the artesian (confined) zones of the Edwards, Trinity, and Leona Gravel aquifers. Water levels are monitored through manual measurements and continuous recorders. All water level measurements are recorded in feet above mean sea level (msl). Many of the wells have at least partial historical records dating back to the 1930s. Water levels were measured manually until the United States Geological Survey (USGS) introduced continuous water level recorders in some of the observation wells in the 1930s. In more recent years, electronic data loggers, installed and maintained by the Authority, are replacing old drum-type recorders.

In 2005, the Authority's Water Level Data Collection Program consisted of 52 continuous recorder-equipped observation wells and 19 periodic manually measured observation wells. The continuous recorders measure water levels at 15-minute intervals using a float device or a pressure transducer. The data are recorded by the equipment at the site and then downloaded during a periodic site inspection or by modem. To augment the water level observation network, Authority staff measures water levels at 19 observation wells on a monthly basis and 150 to 170 additional wells under a synoptic water level monitoring program each year. These periodic measurements are made manually using steel-tape and electric-line measuring devices. Water level data collected by the Authority are forwarded to interested Federal, State, and regional agencies.

The Authority and its predecessor, EUWD, have also collected water level data from the Trinity Aquifer in northern Bexar County since 1991 and the Leona Aquifer in southern Uvalde County since 1966. Water level monitor-

ing of the Edwards Aquifer and associated hydrogeologic units adds to the base of scientific knowledge and helps in the management of this regional water resource.

Historical water level trends, precipitation measurements, and discharges from springs and wells are used as a basis for projections of future aquifer level and spring discharge trends. Rising water levels generally indicate that the amount of water recharging the aquifer is greater than the amount being discharged through springs and wells. During droughts or when there is a high demand for water, aquifer water levels and springflows generally decline, indicating greater groundwater discharge than groundwater recharge. Table 1 lists the annual records of high and low water levels measured in five selected Edwards Aquifer observation wells across the region. Table 1 also lists the numerical mean of water levels for the period of record. The term "mean" is used in place of the term "average" throughout this report.

For the period of record, water levels are typically highest in the spring, and then they decline during the summer before rebounding in the fall and winter. During 2005, water levels across the region were generally above the historical mean value. As indicated in Figure 3, for calendar year 2005, the Bexar County index well J-17 (AY-68-37-203) remained above the mean water level for the period of record. The minimum and maximum water levels at J-17 for 2005 were 675.4 and 699.8 feet above msl, respectively. The minimum value occurred in July, whereas the annual maximum for 2005 occurred in March. The highest water level on record at J-17 is 703.3 feet above msl, occurring in June of 1992, whereas the lowest is 612.5 feet above msl, occurring in August of 1956. Other observation wells across the region exhibited behavior similar to that of J-17, with water levels generally above mean values for the year. Tables A-1 through A-6 in Appendix A provide a summary of 2005 water levels for selected observation wells.

Figure 2a. Year 2005 Edwards Aquifer Authority Water Level Observation Network—Kinney, Uvalde, and Medina Counties

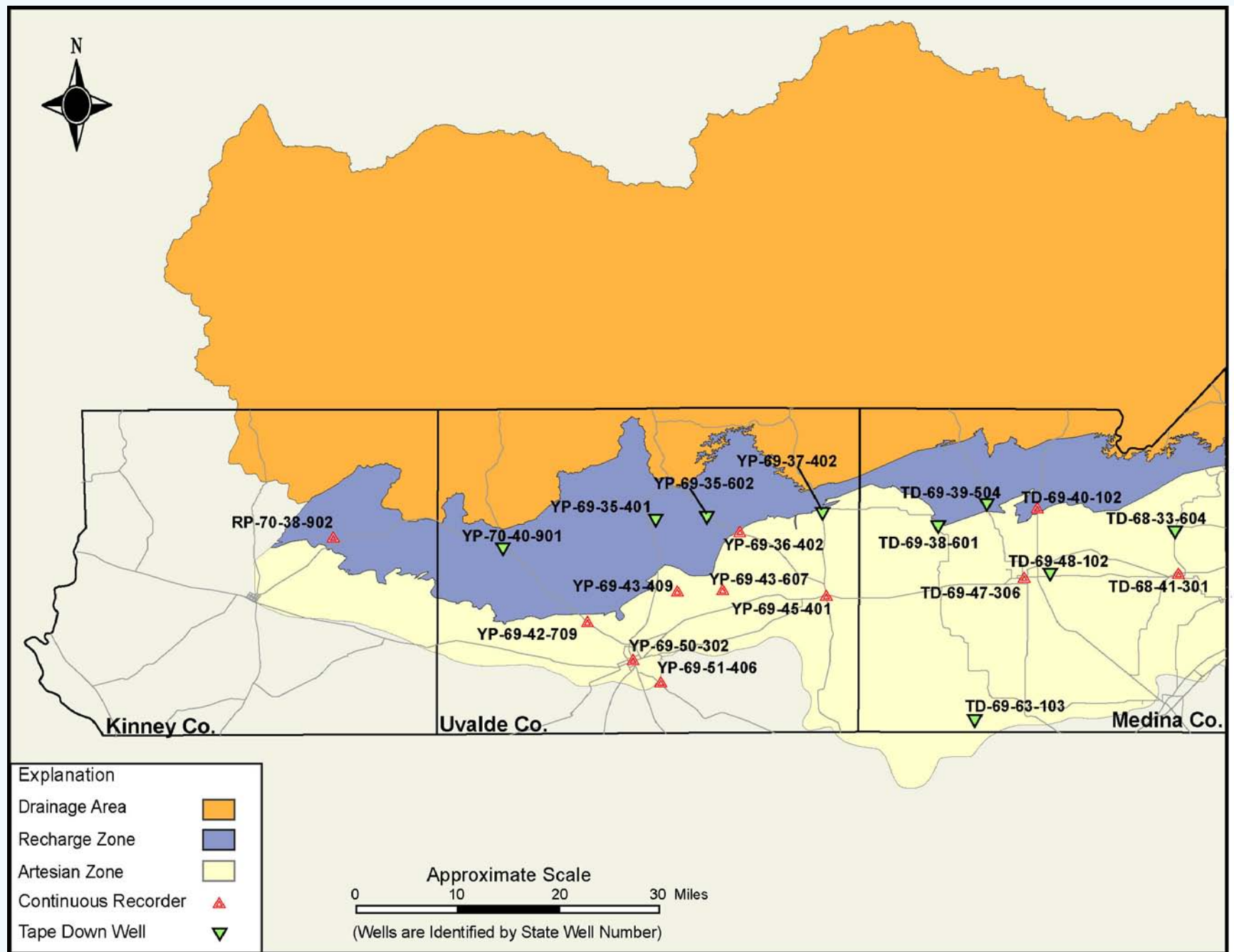


Figure 2b. Year 2005 Edwards Aquifer Authority Water Level Observation Network—Bexar County

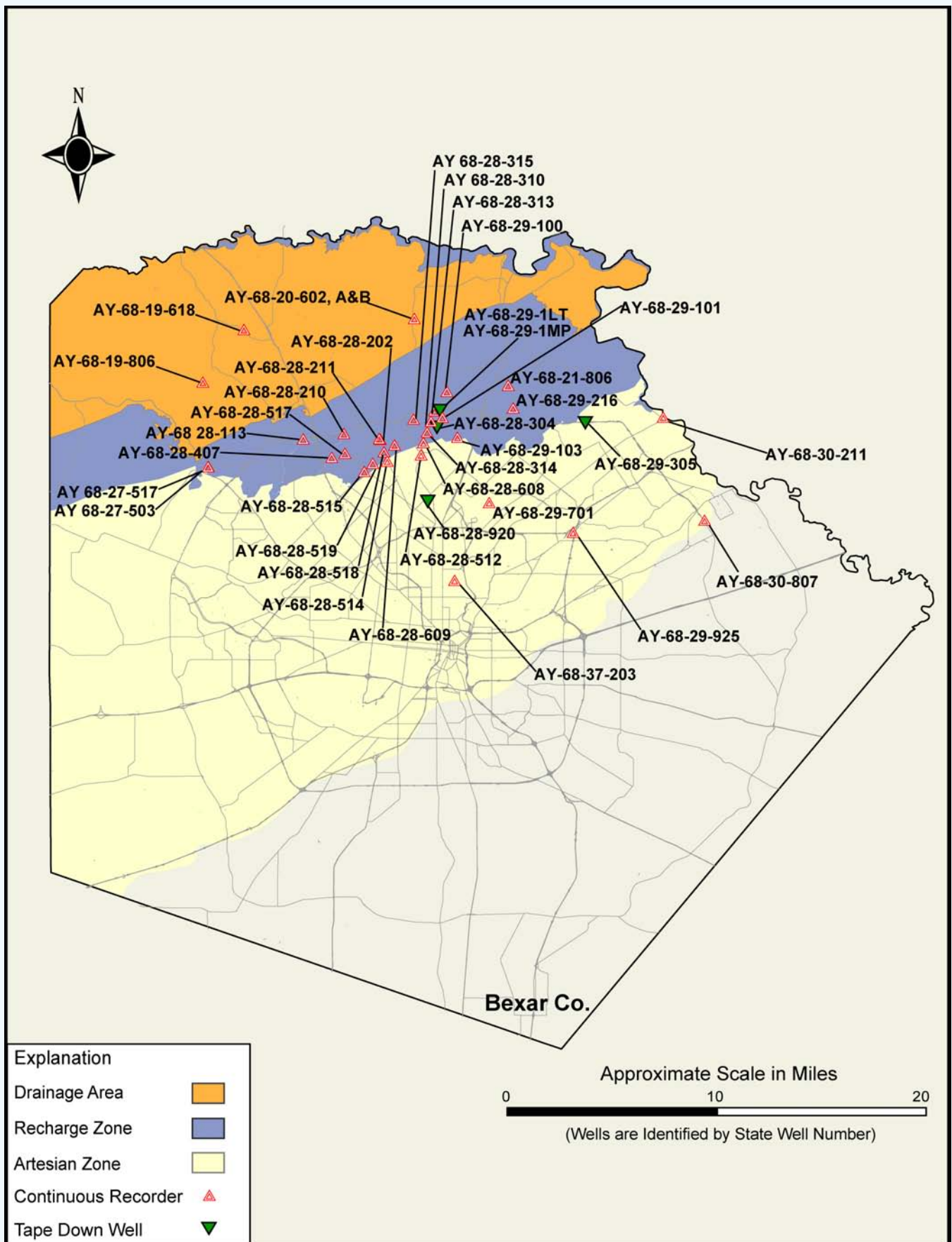


Figure 2c. Year 2005 Edwards Aquifer Authority Water Level Observation Network—Comal and Hays Counties

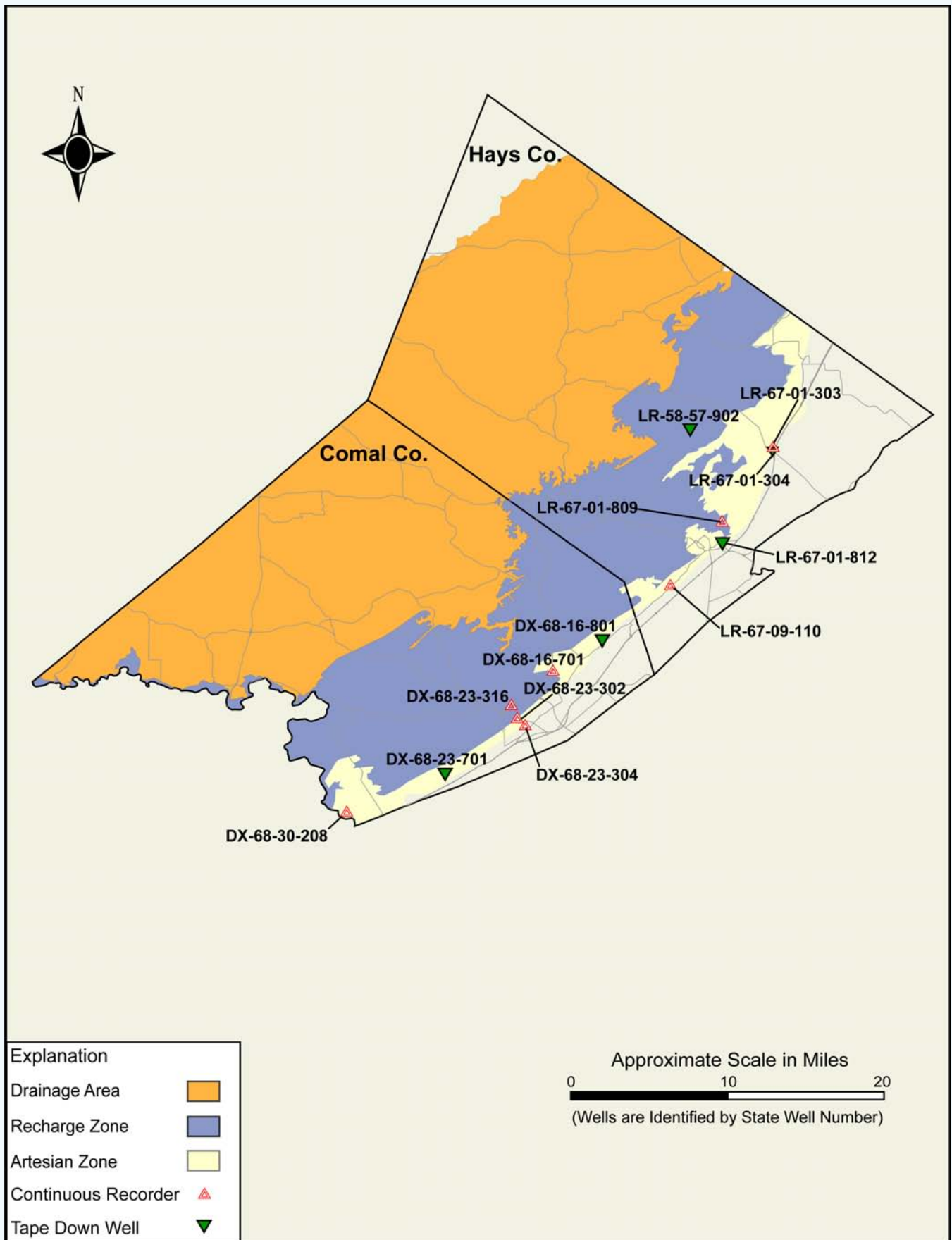


Table 1. Highest and Lowest Recorded Water Levels for Selected Observation Wells in the San Antonio Segment of the Edwards Aquifer, 1934–2005 (measured in feet above msl)

Year	City of Uvalde Uvalde County YP-69-50-302 ^a (J-27)		Castroville Medina County TD-68-41-301 ^b		San Antonio Bexar County AY-68-37-203 ^c (J-17)		New Braunfels Comal County DX-68-23-302 ^d		Kyle Well Hays County LR-67-01-304 ^e	
	High	Low	High	Low	High	Low	High	Low	High	Low
1934	----	----	----	----	675.2	666.8	----	----	----	----
1935	----	----	----	----	681.3	666.8	----	----	----	----
1936	876.6	876.5	----	----	683.0	676.6	----	----	----	----
1937	878.1	877.1	----	----	682.1	674.9	----	----	583.4	581.6
1938	875.8	874.0	----	----	681.4	673.6	----	----	590.6	581.5
1939	873.4	869.6	----	----	674.1	665.7	----	----	580.6	569.6
1940	872.3	868.5	----	----	671.4	661.0	----	----	572.2	568.7
1941	875.7	867.7	----	----	682.5	668.3	----	----	587.7	578.6
1942	875.8	871.9	----	----	685.4	669.7	----	----	580.8	573.7
1943	874.5	868.0	----	----	679.6	668.5	----	----	578.2	574.6
1944	869.3	866.8	----	----	677.6	667.1	----	----	580.5	579.3
1945	870.1	865.2	----	----	681.9	668.8	----	----	----	----
1946	867.1	862.9	----	----	681.2	663.6	----	----	----	----
1947	870.7	867.1	----	----	680.7	665.8	----	----	577.3	577.0
1948	868.4	860.5	----	----	667.7	653.7	624.4	624.3	560.5	559.4
1949	871.2	859.1	----	----	671.6	655.6	626.7	624.1	562.3	561.8
1950	871.2	861.8	687.0	674.9	665.4	653.8	625.2	624.0	575.8	575.2
1951	861.8	846.8	675.2	659.9	656.0	640.6	624.2	622.5	575.3	569.4
1952	846.8	834.9	663.8	649.9	650.5	633.4	623.0	621.5	573.0	569.1
1953	835.2	817.8	665.1	647.7	651.5	630.5	623.6	621.1	584.5	573.2
1954	836.7	823.1	660.3	642.4	646.3	628.9	623.1	620.5	581.8	562.8
1955	834.3	824.1	649.1	635.6	638.5	624.2	621.9	619.8	575.7	558.4
1956	834.2	814.2	641.6	622.3	632.2	612.5	621.0	613.3	569.8	542.2
1957	840.9	811.0	666.1	633.0	653.8	624.4	624.7	620.1	584.9	568.3
1958	866.1	840.8	704.4	665.7	679.6	653.3	626.6	624.6	593.6	580.8
1959	876.1	866.2	703.8	689.0	677.7	661.5	627.1	625.1	591.4	580.5
1960	876.9	873.1	706.3	686.0	679.4	657.9	627.1	624.9	589.4	584.3
1961	878.5	875.6	710.3	693.4	681.2	663.9	627.3	625.7	591.6	573.2
1962	878.3	867.7	703.6	676.3	675.5	646.9	626.3	623.2	584.1	565.0
1963	869.7	860.9	689.1	659.2	665.8	635.0	625.0	621.7	581.6	560.0
1964	860.9	849.0	676.3	654.8	657.1	632.8	624.1	621.6	578.2	562.8
1965	865.8	860.3	689.6	666.8	675.0	645.6	626.6	623.5	590.1	573.4
1966	867.2	860.2	686.1	665.0	668.8	642.7	625.9	623.1	589.0	566.6
1967	867.4	856.4	679.4	645.2	659.7	624.9	624.6	620.0	582.8	556.6
1968	873.3	864.8	702.0	679.2	678.3	655.9	627.2	624.6	593.8	574.4
1969	875.0	866.5	694.8	670.5	676.1	642.8	626.3	623.4	588.7	567.7
1970	876.1	871.3	700.7	678.8	677.1	650.4	627.2	624.3	593.2	575.0
1971	877.7	864.0	701.3	646.4	674.6	627.9	626.2	621.0	577.1	551.3
1972	877.8	874.6	704.6	676.7	679.0	651.2	626.7	624.1	579.7	576.3
1973	881.6	874.5	731.2	690.1	696.5	665.9	629.8	626.1	589.9	572.3
1974	881.4	876.0	723.8	696.0	689.2	660.9	629.1	625.8	593.6	558.5
1975	882.1	879.4	721.0	708.2	686.9	672.0	629.3	626.5	589.8	571.4
1976	884.9	876.0	732.4	694.9	693.1	663.8	629.4	625.8	584.6	571.2
1977	886.2	881.3	737.8	715.3	696.0	675.6	630.2	627.6	587.4	562.1
1978	882.6	875.6	722.4	681.7	684.1	650.1	628.1	624.5	572.0	540.4
1979	882.0	876.1	728.2	710.3	690.5	676.4	629.0	627.3	584.9	572.0
1980	879.1	868.0	716.1	666.8	680.3	640.8	627.5	623.0	572.0	551.8
1981	881.8	867.9	723.2	698.8	686.0	668.6	628.0	625.5	586.2	565.5
1982	881.8	876.4	717.1	682.8	680.5	645.3	627.3	623.6	584.7	544.7
1983	877.1	871.3	698.2	667.7	670.0	642.1	625.6	623.0	588.7	560.4
1984	873.3	856.9	684.5	642.0	657.0	623.3	624.4	619.6	582.5	544.3
1985	876.9	862.2	699.0	670.7	674.5	644.1	626.8	623.3	591.4	561.8
1986	877.8	872.2	704.6	674.2	685.6	649.8	627.7	624.1	595.0	576.3
1987	889.1	877.9	743.5	711.1	699.2	676.9	630.4	627.2	595.9	583.5
1988	887.0	878.0	725.3	679.9	684.9	647.7	627.9	623.9	593.2	585.9
1989	879.0	866.6	695.3	650.5	663.9	626.4	624.9	620.5	571.7	571.5

(Table 1 continued)

City of Uvalde Uvalde County YP-69-50-302 ^a (J-27)			Castroville Medina County TD-68-41-301 ^b		San Antonio Bexar County AY-68-37-203 ^c (J-17)		New Braunfels Comal County DX-68-23-302 ^d		Kyle Well Hays County LR-67-01-304 ^e	
Year	High	Low	High	Low	High	Low	High	Low	High	Low
1990	872.9	861.6	679.5	640.8	658.1	622.7	624.3	620.3	577.6	561.2
1991	873.8	865.4	703.8	666.1	680.3	640.5	627.0	623.3	593.8	575.1
1992	885.2	872.9	743.6	704.3	703.3	680.7	630.9	627.0	595.4	586.2
1993	884.9	877.3	730.2	706.6	692.8	672.0	629.4	626.9	593.7	575.9
1994	----	----	718.6	684.1	679.2	652.1	627.2	624.7	575.0	545.3
1995	877.2	871.1	703.0	681.8	676.5	651.1	626.8	624.5	575.4	552.4
1996	874.2	859.0	693.0	650.2	664.9	627.5	625.3	621.2	573.2	551.3
1997	882.3	868.2	700.5	672.7	677.9	648.7	626.4	623.6	575.8	559.0
1998	880.6	868.7	717.1	669.1	688.9	640.0	629.6	622.9	575.6	552.4
1999	880.7	876.8	716.4	682.9	686.4	656.9	628.7	624.9	588.6	537.9
2000	878.3	868.0	700.4	662.5	676.7	635.5	626.8	622.2	549.2	544.6
2001	877.2	872.7	713.4	685.9	682.8	652.8	628.3	624.5	563.9	544.6
2002	883.2	876.3	732.7	685.8	697.9	650.0	630.2	624.6	589.3	554.4
2003	883.3	877.9	729.5	696.7	694.8	671.6	629.9	627.5	604.2	537.6
2004	884.9	879.2	740.9	706.3	702.1	677.6	632.6	627.4	609.5	542.6
2005	885.6	880.2	740.0	722.6	699.8	675.4	631.3	627.7	590.2	561.8
Mean	High 873.3	Low 864.5	High 704.0	Low 674.6	High 676.9	Low 652.7	High 626.9	Low 623.7	High 583.2	Low 564.9
Record Level	High 889.1	Low 811.0	High 743.6	Low 622.3	High 703.3	Low 612.5	High 632.6	Low 613.3	High 609.5	Low 537.6
Month	June	April	June	Aug.	June	Aug.	Nov.	Aug.	Nov.	Aug.
Year	1987	1957	1992	1956	1992	1956	2004	1956	2004	2003

Data source: Edwards Aquifer Authority, 2006.

^a = Continuous monitoring equipment established on October 24, 1940.

^b = Continuous monitoring equipment established on May 25, 1950.

^c = Continuous monitoring equipment established on January 1, 1963.

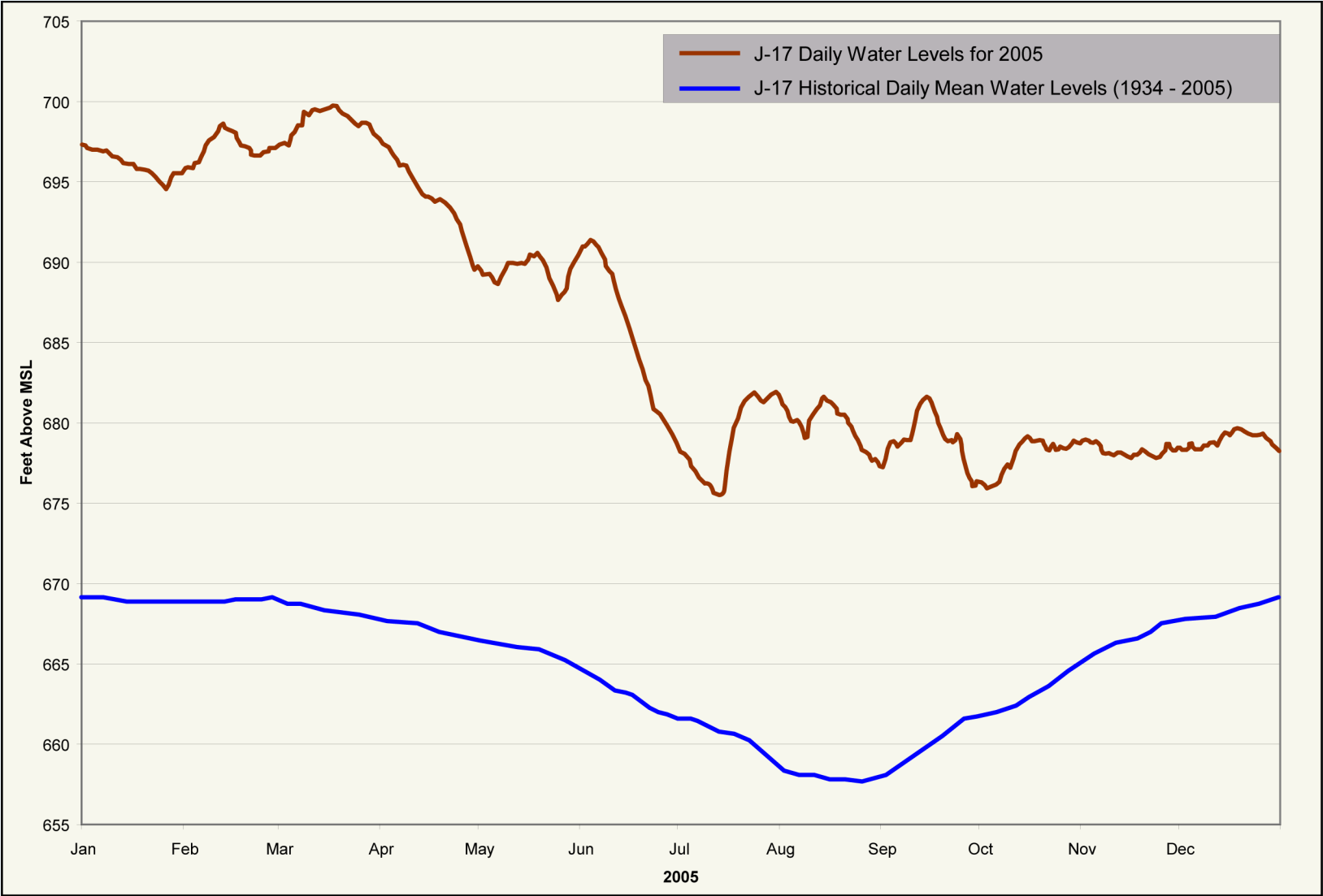
^d = Continuous monitoring equipment established on November 4, 1948.

^e = Values based on monthly tape-down measurements (no continuous monitoring equipment installed in this well).

Appendix B contains the 2005 hydrographs, with precipitation measurements, for the index wells in Bexar, Medina, and Uvalde counties. Appendix B also contains the 2005 hydrographs, with precipitation measurements for Comal and San Marcos springs in Comal and Hays counties, respectively. The hydrographs indicate periods of relatively lower and relatively higher water levels and show that water levels in the Edwards Aquifer respond rapidly to rainfall events.

Springflow also provides a measure of water levels within the aquifer. When aquifer levels are high, springflow volumes remain high, whereas low aquifer water levels are reflected at the springs by lower springflow volumes. For 2005, springflow across the region remained high, considering the below-average precipitation amounts recorded for the year.

Figure 3. Comparison of Historical Daily Mean Water Level for the Period of Record 1934–2005 and the Daily High Water Level at the Bexar County Index Well, J-17 (AY-68-37-203)



PRECIPITATION

Precipitation in the Edwards Aquifer Region

The San Antonio region is situated between the arid Chihuahuan Desert area to the west and a wetter, more humid Coastal Plain to the east. Consequently, mean annual precipitation ranges from approximately 24 inches in the west part of the region to approximately 35 inches in the east part of the region. The mean annual precipitation for San Antonio is approximately 30.5 inches, although annual precipitation has ranged from 13.70 to 52.28 inches since 1934 (United States Department of Commerce, 2003). Aquifer water levels and springflow respond quickly to precipitation, decreasing during periods of low precipitation and increasing during periods of high precipitation.

Precipitation data are used to calculate recharge to the Edwards Aquifer, monitor any precipitation trends that may affect recharge to the aquifer, help evaluate the effectiveness of the Authority's Precipitation Enhancement Program (see Precipitation Enhancement Program, p. 19), and investigate groundwater-flow paths by correlating rainfall and water level responses in wells. Precipitation data are gathered from the Authority's real-time network rain-gauge stations, National Oceanic and Atmospheric Administration (NOAA) weather stations, and USGS rain-gauge stations located throughout the region. Figure 4 shows the locations of precipitation-gauging stations used by the Authority to monitor precipitation in 2005.

Table 2 lists annual precipitation for selected rain gauges in the region since 1934. Table 3 shows monthly measurements for 2005 at selected rain-gauge stations across the region. Table 4 lists monthly totals for rainfall at each of the real-time network rain-gauge stations. In 2005, the Authority's real-time network began with the 60 operational rain-

gauge sites, as indicated on Figure 4. By the end of the year, five of the sites had been temporarily removed from service as part of a three-year program designed to optimize rain-gauge locations. Most, but not all, of the rain-gauge stations for 2005 are located on the recharge zone and drainage area.

Amount of rainfall received at the San Antonio International Airport in 2005 was approximately 54 percent below the period of record mean. Mean precipitation in San Antonio for the period between 1934 and 2005 was 30.43 inches. In 2005, total precipitation measured at the San Antonio International Airport was 16.54 inches, 13.89 inches below the period of record mean. Figure 5 is a graph showing annual and mean precipitation data for San Antonio from 1934 through 2005.

Regional rainfall at the National Weather Service (NWS) Gauge locations in 2005 was below the mean across the region. For NWS stations, the City of Hondo in Medina County recorded the highest rainfall across the region at 28.90 inches; the mean for this station is 29.43 inches. Kendall County recorded 25.31 inches of rainfall in the City of Boerne, approximately 73 percent of the annual mean of 34.57 inches. The City of San Marcos in Hays County recorded the third-highest rainfall volume at 22.42 inches, which is 37 percent below the annual mean of 35.61 inches. New Braunfels, in Comal County, recorded 21.01 inches of rain, approximately 38 percent below the mean value of 34.14 inches. The City of San Antonio in Bexar County recorded 16.54 inches of rainfall in 2005, well below the period of record mean value of 30.43 inches. The City of Uvalde in Uvalde County was also below the period of record mean value, with 16.50 inches of rain recorded for 2005, compared with the mean of 24.27 inches. In 2005 San Antonio rainfall amounted to approximately 46 percent of the annual mean, and Uvalde rainfall was approximately 68 percent of the annual mean.

Weather patterns in 2005 resulted in a dry year across the region, with only 16.54 inches of rain recorded at the San Antonio International Airport during the year. North-central and northwest parts of the region within the drainage area of the aquifer (Edwards, Kerr, Real, Bandera, Gillespie, and Kendall counties) received the highest rainfall volumes during 2005. The southern parts of the region (Uvalde, Medina, and Bexar counties) received the least rainfall. Most NWS gauges reported in Table 2 recorded below-normal rainfall amounts for the year.

Regional rainfall is summarized for calendar year 2005 by a new method that combines NWS NEXRAD Radar with the Authority's real-time rain-gauge network. The NEXRAD data are calibrated for the region using measurements obtained at real-time

gauges, resulting in an improved radar estimate for the region. This measuring method provides a more detailed rainfall summary for the area, with 2005 rainfall totals reported as a series of cells four × four kilometers (approximately 2.5 × 2.5 miles). These data are provided graphically in Figure 4. Data are represented as shaded squares on the regional map, with darker shades correlating with increased rainfall amounts. Calibrated NEXRAD Radar rainfall totals for the region ranged from as little as 11.5 inches in Medina County just east of the City of Castroville, to over 35 inches in the northern extent of the drainage area along southern Gillespie County. Totals for the Authority's real-time rain-gauge network ranged from a low of 7.9 inches in southern Uvalde County, to a high of 22.8 inches in northern Uvalde County.

Figure 4. Locations of Precipitation Gauging Stations Used by the Authority and Other Agencies to Monitor Precipitation in 2005

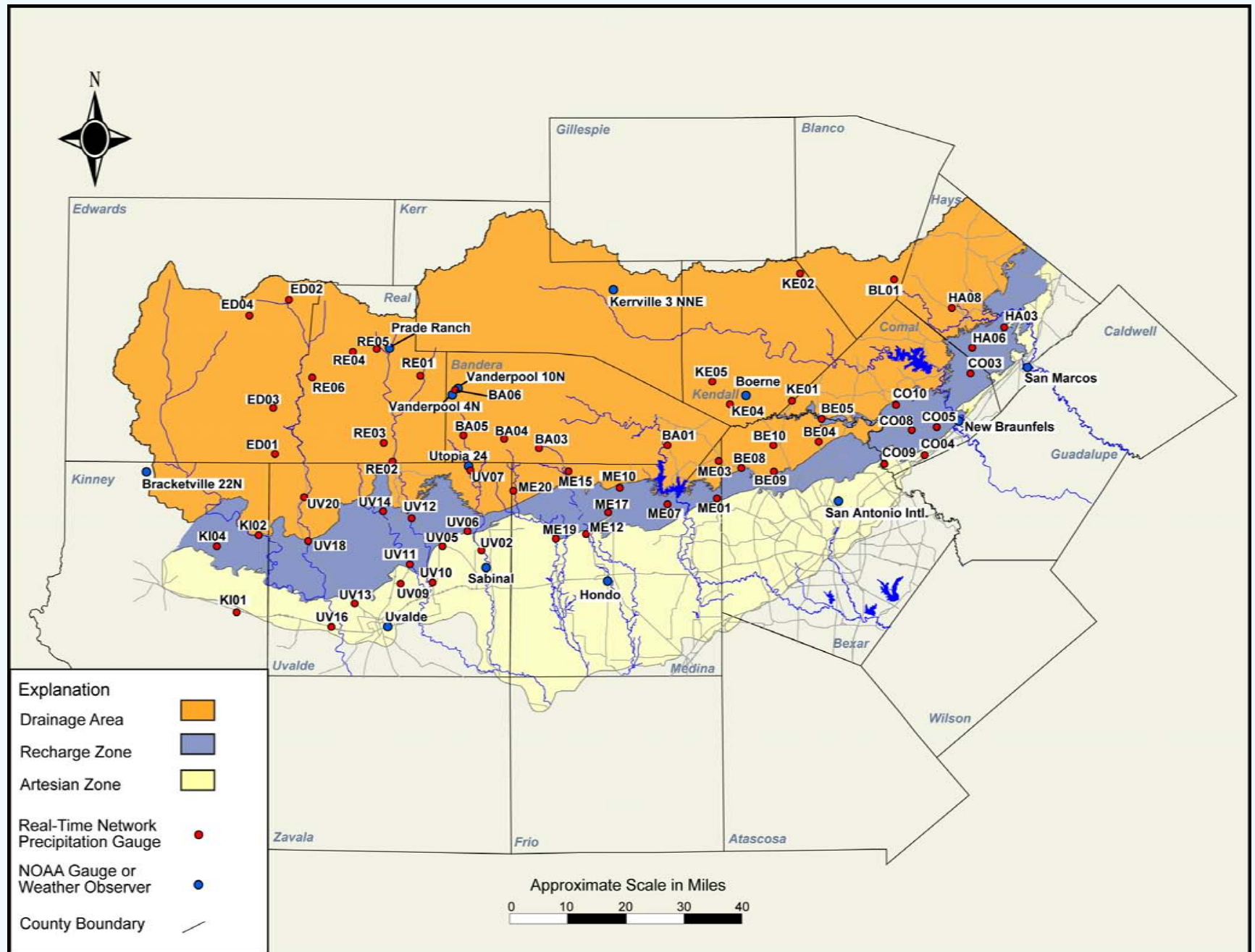


Figure 5. Annual Precipitation and Mean Precipitation for San Antonio, 1934–2005

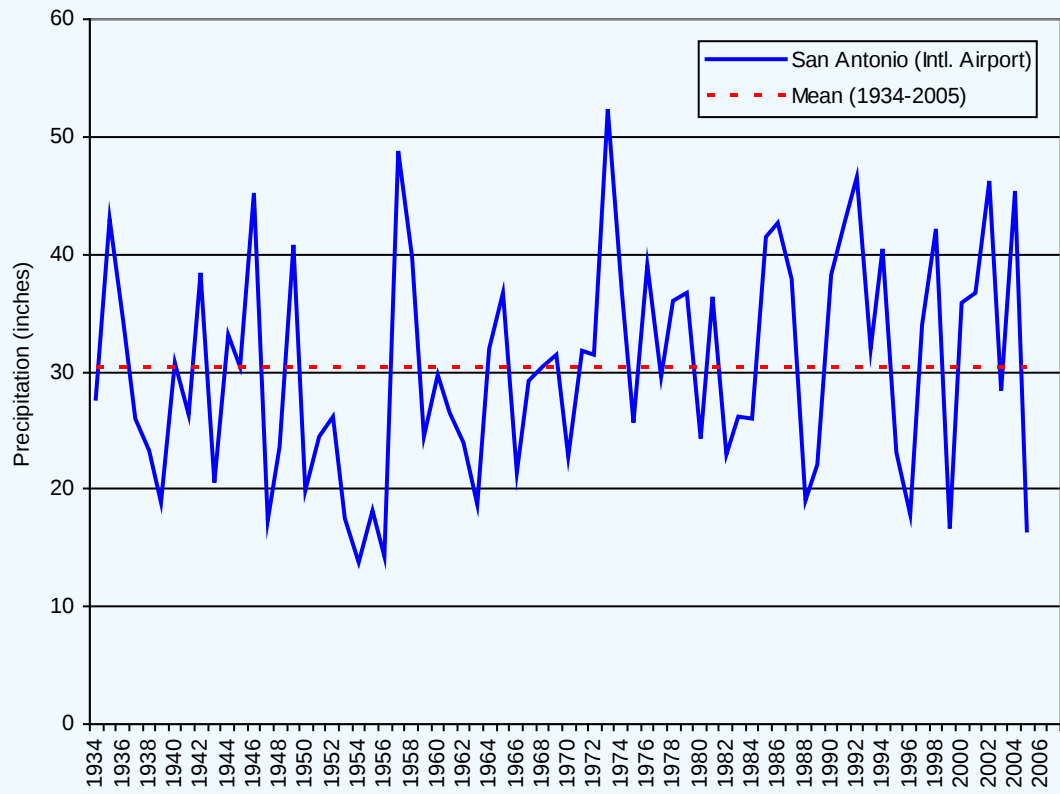


Table 2. Annual Precipitation for Selected Rain Gauges in the Edwards Aquifer Region, 1934–2005 (measured in inches)

Year	Brackettville	Uvalde	Sabinal	Hondo	San Antonio	Boerne	New Braunfels	San Marcos
1934	---	16.70	18.07	23.97	27.65	26.78	30.80	35.67
1935	---	41.17	48.21	58.73	42.93	52.93	41.67	41.09
1936	22.34	24.53	26.53	35.27	34.11	47.59	30.41	33.48
1937	16.85	17.88	9.57a	22.93	26.07	32.81	29.19	26.03a
1938	19.97	13.12	15.39	27.56	23.26	24.14	28.32	28.17
1939	18.38	25.30	13.98b	23.14	18.83	26.20	13.35	18.59
1940	22.43	27.66	27.51	28.13	30.79	32.29	38.11	43.57
1941	21.52	31.79	33.74a	44.07	26.34	41.60	42.99	48.41
1942	21.01	19.01	11.37a	34.83	38.46	31.12	42.08	44.65
1943	23.39b	20.63	17.21	31.43	20.51	26.33	29.93	25.45
1944	24.76	32.76	27.62a	32.46	33.19	42.98	43.14	47.42
1945	15.69	22.37	26.60	29.57	30.46	33.50	39.38	31.74b
1946	19.10	26.41	14.16a	29.65	45.17	45.62	61.60	52.24
1947	22.92b	22.67	---	18.98	17.32	21.89	27.52	27.53
1948	20.02a	18.31	---	28.82	23.64	23.77	19.88b	21.27a
1949	31.32	34.41	---	39.90	40.81	41.15	43.21	36.22
1950	17.70	18.27	15.28a	24.91	19.86	24.94	21.13	21.10
1951	14.71	16.07	15.63	24.05a	24.44	18.76	24.84	30.88
1952	12.26	18.24	23.16	25.56	26.24	37.54	33.87	39.91
1953	10.12	18.34	21.44	20.61	17.56	21.42	30.06	33.39
1954	19.38	15.60	14.72	11.92	13.70	10.29	10.12	13.42
1955	26.55	18.36	20.87	21.21	18.18	19.27	23.12	26.44
1956	7.58	9.29	11.29	15.54	14.31	12.05	18.41	18.37
1957	34.21	39.30	40.03	35.09	48.83	52.55	51.88	46.51
1958	45.37	39.03	41.18	41.60	39.69	40.94	36.40	39.08
1959	27.51	31.51	27.02	30.68	24.50	35.64	40.45	43.47
1960	19.12	23.98	26.24	32.37	29.76	32.55	34.28	45.48
1961	17.91	26.26	27.24	27.36	26.47	25.45	15.70a	30.02
1962	10.87	14.12	13.58	17.85	23.90	25.26	27.40	28.47
1963	15.07	16.70	18.99	18.90	18.65	20.66	23.41	19.90
1964	20.75	22.30	23.78	28.29	31.88	27.36	30.65	30.27
1965	21.48	26.21	29.41	30.80	36.65	42.41	45.16	45.00
1966	21.63	20.87	21.54	29.46	21.44	29.05	25.98	27.12
1967	21.95	20.10	23.89	30.33	29.26	26.75	31.74	26.41
1968	17.26	25.20	29.88b	31.91	30.40	35.14	35.97	37.13
1969	28.53	33.38	33.05	32.30	31.42	38.07	33.01	36.59
1970	16.50	13.59	22.13	30.96	22.74	27.79	35.23	32.30
1971	29.46	31.01	31.00	32.96	31.80	45.24	29.43	31.10
1972	21.21	15.49	21.10	25.43	31.49	35.09	42.02	31.90
1973	30.61	30.85	35.14b	47.82	52.28	50.93	51.66	47.91
1974	18.25	30.94	20.93b	36.41b	37.00	41.80	42.85	37.28a
1975	26.62	24.92	23.65	25.84a	25.67	33.49	35.82	48.64
1976	34.40	46.04	40.82	45.21	39.13	45.24	49.06	47.46
1977	15.06	19.90	17.06	19.40	29.64	32.43	24.83	29.69
1978	19.04	18.48	21.28	24.64	35.99	35.17	36.35b	33.08
1979	16.34	32.35	31.44	28.83	36.64	39.97	36.72	38.74
1980	18.33	23.05	22.67	21.27	24.23	39.02	33.69	29.56
1981	28.73	26.24	30.19	27.40	36.37	41.05	43.23	49.62
1982	19.10	23.35	18.44	21.99	22.96	27.64	21.04	22.47b
1983	19.35	24.45a	23.33	20.92b	26.11	34.60	34.13	36.95
1984	16.24	15.33b	20.67	21.19a	25.95	26.97	20.90	8.26b
1985	18.93	5.76a	23.67	21.94	41.43	37.77	37.26	33.54
1986	27.44	29.86b	29.62b	36.01b	42.73	43.52	47.14	42.20
1987	39.45	36.39	38.36	40.09	37.96	39.86	37.33a	37.94
1988	12.08	15.20	13.52	9.81b	19.01	19.49	16.27b	21.50
1989	16.98	18.65	17.26	16.10	22.14	25.14	20.99	25.46
1990	38.24b	24.73	30.06	27.01	38.31	42.51	24.58a	35.14b
1991	23.11	21.77	31.12	34.55	42.76	48.22	56.55	51.07
1992	22.22	27.85a	37.73	45.34	46.49	64.17	38.84b	40.33b
1993	15.18	9.32c	13.20	16.60	32.00	24.02	19.54b	24.01b
1994	22.85a	39.61	29.32	22.38b	40.42	40.98	35.76a	40.85

(Table 2. continued)

Year	Brackettville	Uvalde	Sabinal	Hondo	San Antonio	Boerne	New Braunfels	San Marcos
1995	25.87	19.47	27.55	24.55	23.20	30.29	23.29	32.57
1996	20.32b	16.20	14.20	15.50	17.80	24.57	19.00	28.20
1997	---	27.77	35.74	37.54	33.94	---	41.65	43.56
1998	24.15	27.40b	20.66b	30.44a	42.10	45.74	52.98	58.51
1999	19.88	19.08	2.55b	16.94	16.63	18.67	21.07	19.38
2000	18.11b	23.84	22.87	32.49	35.86	46.30a	36.34b	40.56
2001	18.40	26.02	25.87	30.59	36.72	53.91	37.91	42.41
2002	---	36.79	35.75	44.70	46.27	63.20	43.60	46.16
2003	25.19 ^c	23.39	24.86	34.70	28.45	28.55	23.42	25.74
2004	40.23	27.76	37.99	44.76	45.32	60.50	50.55	52.68
2005	25.13	16.48	20.24	28.90	16.54	25.31	21.01	22.42
Years of Record (shown)	3	72	72	72	72	72	72	72
Annual Mean All Data	21.95	23.85	24.35	28.91	30.43	34.73	33.29	34.58
Annual Mean Qualified Data (a, b)	21.69	24.26	25.28	29.43	30.43	34.57	34.14	35.61

Data source: U.S. Department of Commerce (2005) [NOAA (1934–2005)]

a = Partial record not included in long-term mean; missing one month.

b = Partial record not included in long-term mean; missing more than one month.

c = Change in gauge location from previous years. Only three years of record available; annual mean shown reflects mean value of all data listed and is intended for comparison purposes only.

--- = No data available.

(NOAA records may exceed the period of record shown in Table 2 for some locations)

Table 3. Monthly Precipitation Data from Selected Edwards Aquifer Authority and National Oceanic and Atmospheric Administration Precipitation Gauging Stations, 2005 (measured in inches)

Gauge	County	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
San Antonio Intl. Airport	Bexar	2.18	2.42	2.00	0.01	2.97	0.81	2.10	1.22	1.39	1.14	0.20	0.10	16.54
Vanderpool 10N	Bandera	2.69	2.34	0.75	0.63	4.15	0.00	4.25	3.41	0.33	1.67	3.03	0.00	23.25
Vanderpool 4N	Bandera	3.06	3.21	1.31	4.65	1.66	3.53	3.02	1.76	2.96	2.96	2.20	0.07	27.46
New Braunfels	Comal	1.92	2.47	3.00	0.98	3.01	1.20	1.98	1.93	1.07	2.95	0.41	0.09	21.01
San Marcos	Hays	1.91	3.69	2.35	1.05	3.61	0.92	3.15	0.74	0.52	2.78	1.55	0.15	22.42
Kerrville 3 NNE	Kerr	2.86	2.80	1.66	1.46	4.63	1.24	2.75	2.03	3.27	1.91	1.91	0.00	24.73
Hondo	Medina	2.25	4.10	1.93	0.10	6.51	1.64	1.65	3.56	4.42	1.64	0.98	0.12	28.90
Brackettville 22N	Kinney	1.02	2.59	2.87	0.05	5.82	0.14	2.46	5.36	0.01	4.66	0.08	0.07	25.13
Prade Ranch	Real	1.40	1.78	1.84	0.77	3.71	1.20	3.05	2.07	0.00	3.83	0.70	0.00	20.35
Sabinal	Uvalde	2.69	2.42	3.09	0.20	3.20	0.00	.33	4.60	0.12	3.46	0.07	0.06	20.24
Uvalde	Uvalde	1.58	2.88	1.94	0.08	1.94	0.42	2.92	1.91	0.20	2.52	0.02	0.07	16.48
Boerne	Kendall	2.78	3.75	2.46	1.04	4.79	1.68	1.99	3.69	0.52	1.42	1.12	0.07	25.31

Gauge	County	Mean	Total	Deviation from Mean
San Antonio Intl. Airport	Bexar	30.43	16.54	-13.89
New Braunfels	Comal	34.14	21.01	-13.13
San Marcos	Hays	35.61	22.42	-13.19
Hondo	Medina	29.43	28.90	-0.53
Uvalde	Uvalde	24.26	16.48	-7.78

(Rainfall amounts shown in inches / Rainfall totals derived from "qualified" data set above)

Table 4. 2005 Monthly Precipitation Totals for the Real-Time Network Rain Gauges
(Rain-gauge locations shown in Figure 4)

	BA01	BA03	BA04	BA05	BA06	BE04	BE05	BE08	BE09	BE10	BL01	CO03	CO04	CO05	CO08	CO09	CO10	CO12	ED01	ED02
January	1.5	0.7	2.4	2.6	2.4	2.2	2.4	1.9	2.4	2.0	0.9	3.4	2.6	2.3	1.8	2.1	1.8	2.8	0.1	0.9
February	2.5	1.5	2.1	2.8	2.5	2.6	1.7	1.9	2.6	2.1	1.5	4.1	2.3	2.9	3.9	2.5	*2.76	1.7	3.8	2.1
March	1.3	1.5	1.3	1.7	1.1	2.3	2.1	1.1	2.3	1.5	4.6	3.4	2.5	3.2	2.1	3.1	2.4	2.2	2.2	3.1
April	0.0	0.5	0.3	0.3	0.6	0.1	0.0	0.1	0.2	0.1	0.9	0.7	0.3	0.3	0.1	0.2	0.1	0.4	0.0	0.4
May	3.6	3.8	4.1	4.3	3.4	2.1	0.6	2.6	3.1	1.7	2.5	3.3	2.5	3.1	2.3	2.7	1.7	2.8	4.4	3.0
June	0.7	0.0	0.6	0.9	1.4	1.7	1.2	0.9	0.9	1.0	1.1	0.7	0.8	0.7	0.6	1.5	0.8	1.1	1.1	1.0
July	1.8	0.2	1.7	1.8	2.9	1.9	1.2	0.1	3.4	1.9	2.7	2.9	2.1	5.1	3.3	3.9	3.5	3.1	1.7	3.4
August	7.4	1.8	1.2	1.4	2.8	3.2	2.8	5.9	3.6	3.5	2.6	0.8	2.3	2.3	2.4	2.4	2.6	3.9	3.5	3.8
September	0.3	0.0	#	2.0	0.5	0.9	0.5	0.4	1.0	0.5	0.1	1.8	0.5	1.1	0.9	2.9	3.4	1.5	0.1	0.0
October	0.8	0.0	#	0.6	2.1	0.4	0.1	0.6	0.8	0.3	*0.12	0.2	#	0.1	0.1	0.1	#	0.8	0.3	0.0
November	0.0	0.0	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	#	0.0	#	0.0	#	0.0	0.0	0.1
December	0.0	0.0	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	#	0.0	#	0.0	#	0.0	0.0	0.1
Mo. Totals	19.9	10.0	ND	18.4	19.7	17.3	12.5	15.5	20.2	14.6	17.0	21.2	ND	21.1	ND	21.3	ND	20.1	17.2	17.8

	ED03	ED04	HA03	HA06	HA08	KE01	KE02	KE04	KE05	KI01	KI02	KI04	ME01	ME03	ME07	ME10	ME12	ME15	ME17	ME19
January	1.4	0.9	1.9	2.2	0.6	*	1.4	*	2.1	1.3	1.3	3.8	1.9	1.8	1.2	2.1	2.2	1.8	2.4	1.8
February	1.5	1.9	2.7	2.5	1.9	*	1.2	*	2.3	1.2	1.3	0.9	2.6	2.0	*0.85	2.1	2.2	1.3	2.7	2.7
March	0.0	2.8	2.0	3.6	3.1	*	3.5	*	1.8	1.5	1.9	2.1	1.4	2.2	1.0	0.7	1.6	1.4	1.6	1.7
April	0.0	0.1	0.1	0.5	0.1	*	0.7	0.3	1.2	0.0	0.0	0.0	0.5	0.2	0.2	0.0	0.1	*	0.0	0.0
May	0.0	3.9	3.8	3.5	0.2	*	2.9	4.1	3.2	1.6	2.6	5.8	3.3	3.7	4.0	0.0	4.5	0.9	3.4	2.9
June	0.1	0.3	0.3	0.4	0.6	*	0.8	1.2	1.4	0.1	0.0	0.0	0.7	0.8	0.4	0.0	1.7	0.4	0.4	1.3
July	4.6	2.8	3.9	3.9	1.9	*	1.1	2.5	1.7	2.0	1.5	1.8	0.6	0.7	0.4	0.0	1.3	2.1	1.2	0.8
August	2.5	2.4	0.8	1.3	0.2	*	1.2	1.5	2.1	3.0	3.0	3.7	2.0	2.2	2.9	3.8	1.6	1.7	0.6	1.1
September	0.5	0.0	1.2	1.5	0.2	0.0	0.7	1.6	1.6	0.6	0.4	0.0	1.3	1.0	1.4	1.2	4.5	0.5	0.7	7.3
October	0.0	0.0	0.0	0.3	1.2	0.0	0.5	0.2	0.6	0.2	0.1	0.0	0.6	0.9	0.8	0.8	0.8	1.2	0.7	0.0
November	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
December	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mo. Totals	10.6	15.1	16.6	19.7	10.0	ND	13.9	ND	18.0	11.4	12.1	18.0	15.0	15.5	12.4	10.7	20.5	ND	13.8	19.6

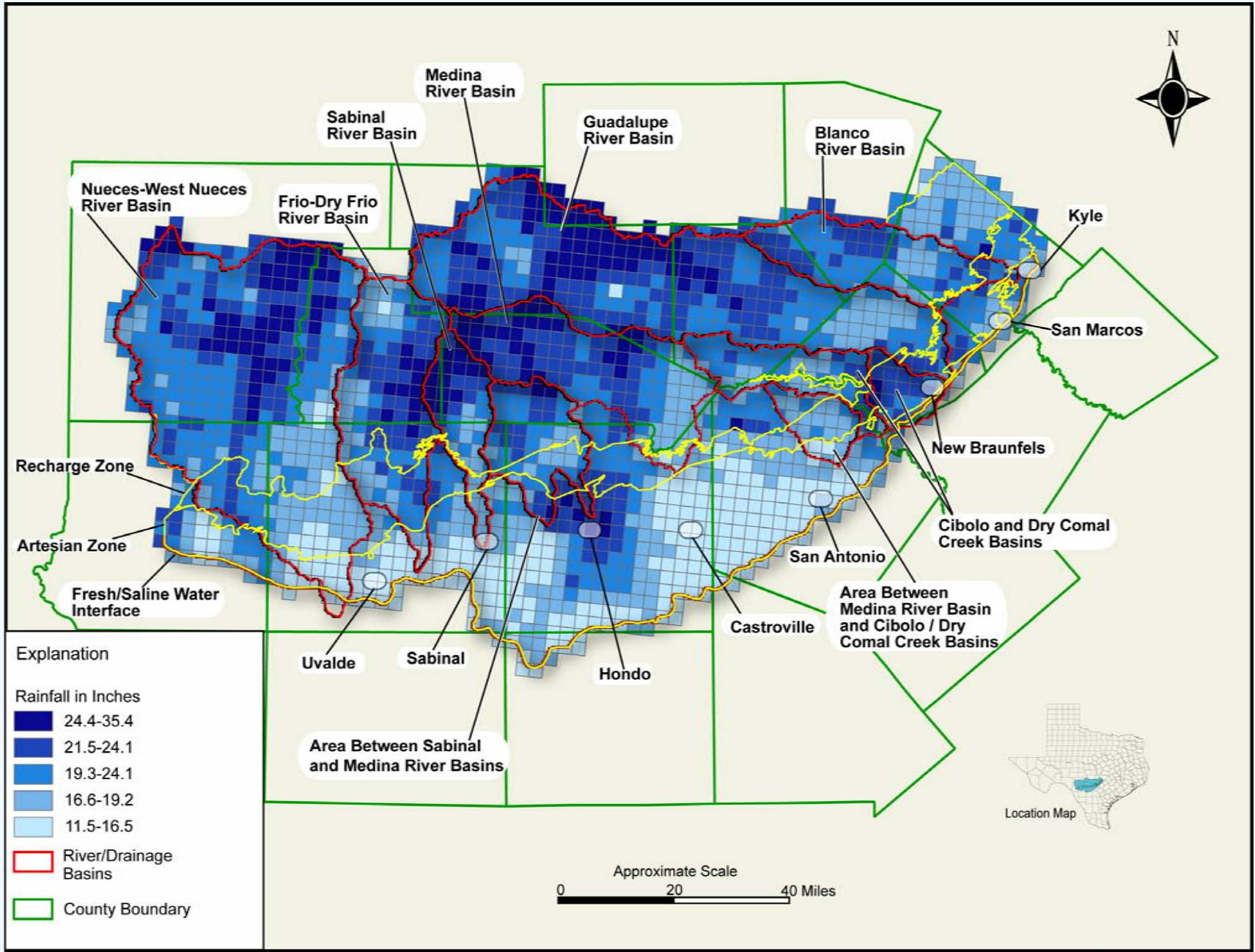
	ME20	RE01	RE02	RE03	RE04	RE05	RE06	UV02	UV05	UV06	UV07	UV09	UV10	UV11	UV12	UV13	UV14	UV16	UV18	UV20
January	2.4	1.7	1.8	1.9	1.3	1.6	1.6	1.5	0.6	1.9	2.2	1.3	1.2	1.7	1.8	1.3	0.1	0.9	1.6	1.2
February	2.2	1.9	1.6	3.2	1.9	2.1	2.2	2.1	2.2	2.2	3.0	*0.45	0.6	1.6	1.8	1.4	*	0.4	2.0	1.4
March	2.2	0.7	1.0	1.1	1.2	1.1	1.1	1.8	1.8	2.2	1.4	0.5	0.4	2.1	2.7	1.6	0.0	0.8	1.5	1.4
April	0.3	0.4	0.4	0.3	0.2	0.4	0.9	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0
May	3.3	2.2	2.2	3.1	2.8	3.2	3.6	1.3	2.3	2.0	3.2	0.9	0.3	1.0	2.4	1.5	2.8	2.8	2.2	3.8
June	1.1	0.8	2.1	1.3	0.9	1.1	0.8	0.8	1.1	1.1	0.6	0.6	0.6	0.9	1.0	0.7	1.2	0.1	0.7	0.8
July	3.1	2.2	3.7	1.4	3.1	1.8	4.1	2.6	2.8	1.5	1.1	3.0	1.7	2.9	2.0	2.3	2.7	1.6	2.3	2.4
August	1.7	2.9	3.4	*	3.0	3.0	2.1	2.2	3.7	1.7	0.7	1.3	2.2	5.2	7.0	1.3	3.9	2.3	1.1	1.1
September	1.1	1.0	0.3	0.0	0.0	0.1	1.0	0.3	1.3	1.5	0.6	0.2	0.8	0.2	2.8	0.0	1.2	0.2	0.0	0.0
October	1.1	0.8	#	0.9	0.2	0.6	0.5	0.6	2.3	1.8	1.0	0.2	0.2	1.6	1.2	0.3	0.7	0.1	0.2	0.1
November	0.0	0.0	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
December	0.0	0.0	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mo. Totals	18.5	14.6	ND	13.2	14.5	14.9	17.8	13.1	18.1	15.9	14.4	7.8	7.9	17.0	22.8	10.4	12.5	9.5	11.6	12.4

ND = Annual totals not provided because of equipment problems.

= Equipment removed during 2005 calendar year annual totals listed as ND (no data) if more than one month missing.

* = No data collected for period shown (because of equipment problems); annual totals listed as ND (no data) if more than one month missing.

Figure 6. Ground Calibrated NEXRAD Radar Rainfall Distribution for 2005



Precipitation Enhancement Program (PEP)

Recent research performed by weather scientists indicates that precipitation enhancement can increase rainfall by as much as 21 percent (Woodley Weather Consultants, 2002) from clouds that have been seeded, which may significantly increase recharge to the aquifer. In addition to increasing direct recharge, the increased rainfall also decreases demand for lawn watering and crop irrigation.

In the fall of 1997, the Authority's board of directors voted to pursue a permit from the Texas Commission on Environmental Quality (TCEQ) to conduct a precipitation enhancement program (PEP). The goals of PEP are:

- To enhance rainfall in a targeted area by using state-of-the-art cloud-seeding technology and procedures to seed suitable convective clouds;
- To increase the annual mean quantity of water that may be withdrawn from the aquifer;
- To reduce demands from the aquifer by increase in precipitation; and
- To reduce periods of low water levels and resulting threatened springflows.

In October 1998 the Authority's PEP contractor, Weather Modification, Inc., (WMI) received a four-year permit (January 1999 through December 2002) from TCEQ. The Authority's original PEP project area consisted of 6.37 million acres across south Texas, covering all or parts of 12 counties, including Real (east of U.S. Highway 83), Kerr, Kendall, Blanco, Bandera, Uvalde, Medina, Bexar, Comal, Hays, Guadalupe, and Caldwell. From 1999 through 2001, the Authority used WMI to conduct weather-modification services in the twelve-county area.

In June 2001, the Authority, the Texas Water Development Board (TWDB), and TCEQ initiated a study to evaluate the effectiveness of the Authority's PEP for 1999 through 2001. Woodley Weather Consultants conducted the study and concluded in the final report completed in June 2002

that the Authority's PEP had produced an additional 179,000 acre-feet of rainfall because of seeding (approximately 60,000 acre-feet per year). A finding in the report was that typical radar-predicted rainfall in south central Texas is generally under-reported. The under-reporting is a function of equations used by the National Weather Service that do not take into account the tropical nature of much of the rainfall in the San Antonio area. This factor was revealed by correlation of radar-predicted rainfall to actual rainfall recorded by the Authority's real-time network. A recommendation of the report was to allow more seeding through the use of additional aircraft or downsizing the target area to concentrate seeding.

In 2002 and 2003, the Authority contracted with the South Texas Weather Modification Association to perform cloud seeding in Bandera, Bexar, and Medina counties of approximately 2,171,000 acres. During the same time period, the Authority contracted with the Southwest Texas Rain Enhancement Association to perform cloud seeding in Uvalde County, an area of approximately 949,000 acres. An independent assessment performed by Arquimedes Ruiz (2003) indicated that an additional 85,745 acre-feet of rainfall was created for Bexar, Bandera, and Medina counties and 36,733 acre-feet of rainfall was created for Uvalde County, as a result of the 2003 cloud-seeding work.

During the 2004 season, cloud-seeding activities were conducted on 26 separate days in Bandera, Bexar, and Medina counties, and on 15 separate days in Uvalde County. In 2004, an estimated total of 12,360 grams (27.0 pounds) of silver-iodide cloud-seeding agent was dispersed in the four counties where cloud seeding is funded by the Authority. An independent assessment performed by Arquimedes Ruiz (2004) indicated that an additional 287,000 acre-feet of rainfall was created for Bexar, Bandera, and Medina counties, and 70,500 acre-feet of rainfall was created for Uvalde County as a result of the 2004 cloud-seeding work. The results for 2004 were notably higher than those reported for 2003. Meteorologists involved with the PEP and Mr. Ruiz explain that the difference is due to use of more pre-

cise National Weather Service Doppler radar for the rainfall analyses in 2004.

During the 2005 season, cloud-seeding activities were conducted on 25 separate days, with a total of 29 total flights. During the season, 11,480 grams (26.3 pounds) of silver-iodide seeding agent was used.

GROUNDWATER RECHARGE

Recharge to the Edwards Aquifer originates as precipitation on the drainage area and recharge zone. The area consists of nine drainage basins that extend across the recharge zone, as indicated in Figure 5. These basins are also listed below:

- Nueces/West Nueces River basin
- Frio/Dry Frio River basin
- Sabinal River Basin
- Area between Sabinal River and Medina River basins
- Medina River Basin
- Area between Medina River and Cibolo/Dry Comal Creek basins
- Cibolo Creek and Dry Comal Creek basin
- Guadalupe River Basin
- Blanco River Basin

Recent modeling studies using the Hydrologic Simulation Program Fortran (HSPF) indicate that up to 50 percent of recharge in some basins most likely occurs on land segments (direct infiltration), whereas the other 50 percent occurs in stream channels as channel loss (LBG Guyton Associates, 2005). In addition, some recharge also flows into the Edwards Aquifer from adjacent aquifers such as the Trinity Aquifer. Estimates of the contribution from adjacent hydraulically connected aquifers are highly variable and range from 5,000 to 60,000 acre-feet per year.

The historical method of estimating recharge to the Edwards Aquifer utilizes a water-balance method that relies on precipitation and streamflow measurements across the nine-basin area. The USGS has

Flights were conducted as follows: Uvalde County, three days; Medina County, 19 days; Bandera County, twelve days; and Bexar County, ten days (STWMA, 2005). Radar evaluations indicate a potential increase of 183,100 acre-feet of precipitation across the four-county area in which seeding activities were conducted (STREA, 2005).

calculated groundwater recharge to the Edwards Aquifer since 1934. Table 5 lists estimated annual recharge by river basin from 1934 through 2005, on the basis of USGS calculations. The USGS estimates that annual recharge for the period of record (1934–2005) ranged from 43,700 acre-feet at the height of the drought of record in 1956, to 2,486,000 acre-feet in 1992. In 2005, estimated recharge was 764,000 acre-feet. The median annual recharge for 1934 through 2005 is 585,700 acre-feet, and the median annual recharge for the last ten years is 916,700 acre-feet. Figure 6 is a graph of annual total recharge compared with the ten-year floating median recharge estimate and historical median value for recharge to the San Antonio segment of the Balcones Fault Zone Edwards Aquifer from 1934 through 2005.

Table 5 does not include the Guadalupe River Basin because the historical method of estimating recharge is based on the interpretation that the basin does not recharge the aquifer. The Authority is currently revising the methodology utilized for estimating recharge to the aquifer using the HSPF model previously mentioned. Edwards Aquifer recharge data derived from HSPF for the period 1950 through 2000 are shown in Table 6; this table also compares the median and mean values for the HSPF methodology versus USGS historical methodology for the same period. HSPF recharge data for the period 2001 through 2005 were not developed at the time of publication of this report. Additional recharge data utilizing output from the HSPF model will be published in the future.

Recharge directly increases groundwater levels in the aquifer. Water levels rise during periods of higher-than-normal recharge and generally decline during periods of below-normal recharge. The 2005 estimated recharge was just above the mean recharge value of 718,700 acre-feet for the period of record (1934–2005); the corresponding median value is 585,700 acre-feet. Calendar year 2005 generally exhibited below-mean-rainfall amounts across most of the area. However, continued streamflow from the above-normal rainfall experienced in 2004 appeared to help maintain aquifer levels and recharge during the year. Another factor may have been rainfall amounts in the drainage area of the aquifer being higher than in the recharge and artesian zones of the aquifer during 2005. This difference may have resulted in maintaining streamflows, subsequently contributing to recharge.

The Authority operates four recharge structures located on the Edwards Aquifer Recharge Zone,

as indicated in Figure 5. Total recharge for each site is calculated using data from stage recorders located near these structures. Table 7 shows the annual recharge (total recharge) for each site since construction. A total combined recharge volume of 853 acre-feet occurred at the structures in 2005.

The historical median and mean annual recharge attributed to the recharge structures are based on a period of record that reflects the date of construction through 2005. The approximate historical median annual recharge contributed by the combined structures is 1,150 acre-feet, whereas the approximate historical mean annual recharge contributed by the combined structures is 4,800 acre-feet. Calendar year 2005 combined recharge volume for all four structures was approximately 850 acre-feet, or approximately 74 percent of the median value for the period of record.

Figure 7. Major Drainage Basins and Edwards Aquifer Authority-Operated Recharge Structures in the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer

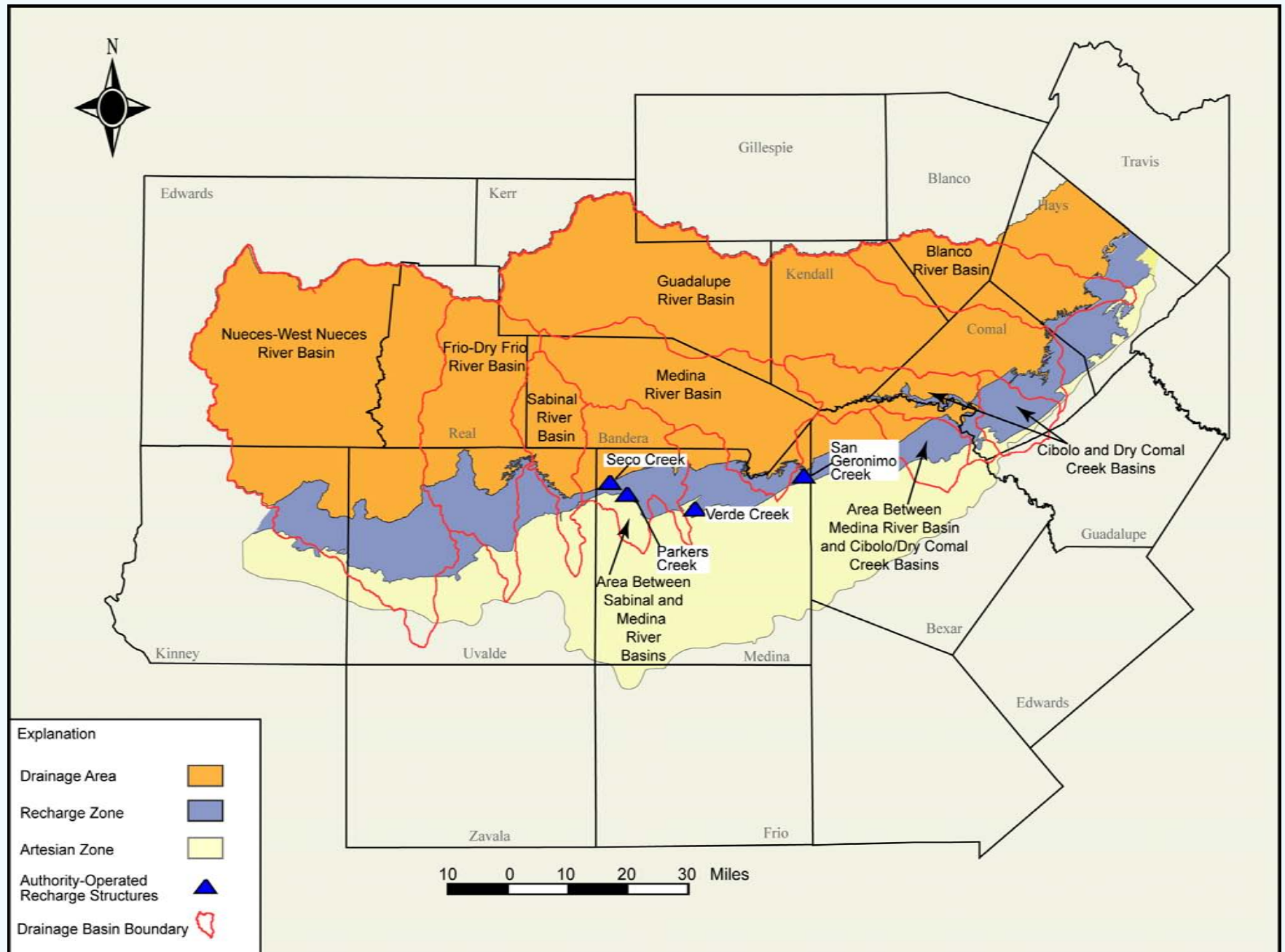


Table 5. Estimated Annual Groundwater Recharge to the Edwards Aquifer by Drainage Basin, 1934–2005 (measured in thousands of acre-feet)

Year	Nueces River/ West Nueces River basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basin	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Comal Creek basin	Cibolo Creek/Dry Comal Creek basin	Blanco River Basin	Total*
1934	8.6	27.9	7.5	19.9	46.5	21	28.4	19.8	179.6
1935	411.3	192.3	56.6	166.2	71.1	138.2	182.7	39.8	1,258.2
1936	176.5	157.4	43.5	142.9	91.6	108.9	146.1	42.7	909.6
1937	28.8	75.7	21.5	61.3	80.5	47.8	63.9	21.2	400.7
1938	63.5	69.3	20.9	54.1	65.5	46.2	76.8	36.4	432.7
1939	227	49.5	17.0	33.1	42.4	9.3	9.6	11.1	399.0
1940	50.4	60.3	23.8	56.6	38.8	29.3	30.8	18.8	308.8
1941	89.9	151.8	50.6	139.0	54.1	116.3	191.2	57.8	850.7
1942	103.5	95.1	34.0	84.4	51.7	66.9	93.6	28.6	557.8
1943	36.5	42.3	11.1	33.8	41.5	29.5	58.3	20.1	273.1
1944	64.1	76.0	24.8	74.3	50.5	72.5	152.5	46.2	560.9
1945	47.3	71.1	30.8	78.6	54.8	79.6	129.9	35.7	527.8
1946	80.9	54.2	16.5	52.0	51.4	105.1	155.3	40.7	556.1
1947	72.4	77.7	16.7	45.2	44.0	55.5	79.5	31.6	422.6
1948	41.1	25.6	26.0	20.2	14.8	17.5	19.9	13.2	178.3
1949	166.0	86.1	31.5	70.3	33.0	41.8	55.9	23.5	508.1
1950	41.5	35.5	13.3	27.0	23.6	17.3	24.6	17.4	200.2
1951	18.3	28.4	7.3	26.4	21.1	15.3	12.5	10.6	139.9
1952	27.9	15.7	3.2	30.2	25.4	50.1	102.3	20.7	275.5
1953	21.4	15.1	3.2	4.4	36.2	20.1	42.3	24.9	167.6
1954	61.3	31.6	7.1	11.9	25.3	4.2	10.0	10.7	162.1
1955	128.0	22.1	0.6	7.7	16.5	4.3	3.3	9.5	192.0
1956	15.6	4.2	1.6	3.6	6.3	2.0	2.2	8.2	43.7
1957	108.6	133.6	65.4	129.5	55.6	175.6	397.9	76.4	1,142.6
1958	266.7	300.0	223.8	294.9	95.5	190.9	268.7	70.7	1,711.2
1959	109.6	158.9	61.6	96.7	94.7	57.4	77.9	33.6	690.4
1960	88.7	128.1	64.9	127.0	104.0	89.7	160.0	62.4	824.8
1961	85.2	151.3	57.4	105.4	88.3	69.3	110.8	49.4	717.1
1962	47.4	46.6	4.3	23.5	57.3	16.7	24.7	18.9	239.4
1963	39.7	27.0	5.0	10.3	41.9	9.3	21.3	16.2	170.7
1964	126.1	57.1	16.3	61.3	43.3	35.8	51.1	22.2	413.2
1965	97.9	83.0	23.2	104.0	54.6	78.8	115.3	66.7	623.5
1966	169.2	134.0	37.7	78.2	50.5	44.5	66.5	34.6	615.2
1967	82.2	137.9	30.4	64.8	44.7	30.2	57.3	19.0	466.5
1968	130.8	176.0	66.4	198.7	59.9	83.1	120.5	49.3	884.7
1969	119.7	113.8	30.7	84.2	55.4	60.2	99.9	46.6	610.5
1970	112.6	141.9	35.4	81.6	68.0	68.8	113.8	39.5	661.6
1971	263.4	212.4	39.2	155.6	68.7	81.4	82.4	22.2	925.3
1972	108.4	144.6	49.0	154.6	87.9	74.3	104.2	33.4	756.4
1973	190.6	256.9	123.9	286.4	97.6	237.2	211.7	82.2	1,486.5

(Table 5 continued)

Year	Nueces River/ West Nueces River Basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basin	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Comal Creek basin	Cibolo Creek/Dry Comal Creek basin	Blanco River Basin	Total*
1974	91.1	135.7	36.1	115.3	96.2	68.1	76.9	39.1	658.5
1975	71.8	143.6	47.9	195.9	93.4	138.8	195.7	85.9	973.0
1976	150.7	238.6	68.2	182.0	94.5	47.9	54.3	57.9	894.1
1977	102.9	193.0	62.7	159.5	77.7	97.9	191.6	66.7	952.0
1978	69.8	73.1	30.9	103.7	76.7	49.6	72.4	26.3	502.5
1979	128.4	201.4	68.6	203.1	89.4	85.4	266.3	75.2	1,117.8
1980	58.6	85.6	42.6	25.3	88.3	18.8	55.4	31.8	406.4
1981	205.0	365.2	105.6	252.1	91.3	165.0	196.8	67.3	1,448.3
1982	19.4	123.4	21.0	90.9	76.8	22.6	44.8	23.5	422.4
1983	79.2	85.9	20.1	42.9	74.4	31.9	62.5	23.2	420.1
1984	32.4	40.4	8.8	18.1	43.9	11.3	16.9	25.9	197.7
1985	105.9	186.9	50.7	148.5	64.7	136.7	259.2	50.7	1,003.3
1986	188.4	192.8	42.2	173.6	74.7	170.2	267.4	44.5	1,153.8
1987	308.5	473.3	110.7	405.5	90.4	229.3	270.9	114.9	2,003.5
1988	59.2	117.9	17.0	24.9	69.9	12.6	28.5	25.5	355.5
1989	52.6	52.6	8.4	13.5	46.9	4.6	12.3	23.6	214.4
1990	479.3	255.0	54.6	131.2	54.0	35.9	71.8	41.3	1,123.1
1991	325.2	421.0	103.1	315.2	52.8	84.5	109.7	96.9	1,508.4
1992	234.1	586.9	201.1	566.1	91.4	290.6	286.6	226.9	2,486.0
1993	32.6	78.5	29.6	60.8	78.5	38.9	90.9	37.8	447.6
1994	124.6	151.5	29.5	45.1	61.1	34.1	55.6	36.6	538.1
1995	107.1	147.6	34.7	62.4	61.7	36.2	51.1	30.6	531.3
1996	130.0	92.0	11.4	9.4	42.3	10.6	14.7	13.9	324.3
1997	176.9	209.1	57.0	208.4	63.3	193.4	144.2	82.3	1,134.6
1998	141.5	214.8	72.5	201.4	80.3	86.2	240.9	104.7	1,142.3
1999	101.4	136.8	30.8	57.2	77.1	21.2	27.9	21.0	473.4
2000	238.4	123.0	33.1	55.2	53.4	28.6	48.6	34.1	614.5
2001	297.5	126.7	66.2	124.1	90.0	101.5	173.7	89.7	1,069.4
2002	83.6	207.3	70.6	345.2	93.7	175.5	539.3	150.0	1,665.2
2003	149.8**	112.2**	31.7**	67.4**	86.6**	56.2**	105.0**	59.9**	669.0**
2004	481.9	424.5	116.0	343.9	95.5	213.4	315.0	185.8	2,176.1
2005	105.5	147.2	50.1	79.1	82.8	84.8	140.4	74.1	764.0*

Recharge for the period of record 1934–2005:

Median	103.2	125.1	32.4	78.6	62.5	55.9	81.0	36.1	585.7
Mean	125.9	139.0	43.6	112.9	63.4	73.4	113.2	47.2	718.7

Recharge for the period of record 1996–2005 (last 10 years):

Median	145.7	142.0	53.6	101.6	81.6	85.5	142.3	78.2	916.7
Mean	190.7	179.4	53.9	149.1	76.5	97.1	165.8	81.6	994.1

Data source: USGS unpublished report, April 2006.

* = Total may not be equal to sum of basin values because of rounding.

** = Reflects corrected estimate from that reported in 2004 Hydrologic Data Report.

Table 6. Hydrologic Simulation Program Fortran, Estimated Annual Groundwater Recharge to the Edwards Aquifer by Drainage Basin, 1950–2000 (measured in thousands of acre-feet)

Year	Nueces River/ West Nueces River basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basin	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Creek basin	Cibolo Creek/Dry Creek basin	Guadalupe River Basin	Blanco River Basin	Total
1950	57.8	45.0	29.7	17.7	33.1	26.2	21.2	13.5	27.1	271.4
1951	42.0	35.6	14.5	54.4	30.0	19.8	20.6	20.9	45.0	282.8
1952	51.2	40.8	17.9	17.0	41.7	80.4	70.5	29.5	85.7	434.9
1953	73.4	48.6	20.2	24.8	47.9	46.3	45.2	26.3	71.9	404.7
1954	48.6	30.4	8.8	5.0	43.7	10.0	8.7	10.0	20.5	185.8
1955	57.1	34.5	10.2	10.1	43.7	12.6	10.4	17.6	35.7	232.0
1956	23.5	7.9	3.3	4.6	38.5	7.9	8.2	8.9	14.3	117.1
1957	211.3	160.3	70.5	87.8	65.2	221.2	179.5	40.7	139.6	1176.0
1958	270.7	265.9	145.5	167.0	63.3	179.8	141.7	31.5	112.1	1377.4
1959	170.3	173.3	67.2	66.7	48.7	92.6	63.6	35.7	128.4	846.4
1960	126.6	141.0	67.4	75.5	55.8	118.4	122.1	31.4	132.1	870.5
1961	149.5	169.4	71.6	68.4	46.9	69.3	52.0	22.1	68.5	717.6
1962	51.5	46.9	7.7	11.1	31.8	52.1	58.6	21.9	59.6	341.1
1963	59.2	38.9	10.1	10.9	25.9	30.0	23.5	14.7	34.3	247.5
1964	94.4	79.5	26.1	30.9	29.7	63.2	67.1	22.1	51.4	464.3
1965	134.0	106.8	42.9	67.1	55.1	170.1	159.9	37.8	129.6	903.3
1966	106.4	115.9	46.7	62.0	49.4	83.2	71.0	21.0	70.7	626.4
1967	81.9	103.1	44.7	59.7	42.4	67.3	66.4	19.8	50.5	535.8
1968	145.4	175.0	99.3	118.5	58.6	139.8	125.7	28.9	102.9	994.1
1969	166.1	142.5	57.4	62.1	50.2	105.1	94.4	30.0	95.0	802.7
1970	86.1	122.7	48.4	73.5	48.8	78.2	50.7	25.4	81.3	615.1
1971	177.8	177.5	65.4	113.1	50.0	133.0	92.8	23.7	61.7	894.9
1972	72.3	118.4	52.8	58.2	50.0	139.0	125.1	24.8	71.1	711.8
1973	148.9	195.4	102.7	158.9	57.0	230.2	194.2	40.4	134.5	1262.3
1974	175.1	167.1	66.5	98.1	48.8	113.3	65.5	32.3	100.8	867.6
1975	134.7	145.3	59.3	99.1	53.3	120.5	81.4	39.5	149.7	882.8
1976	288.8	250.5	89.8	139.9	45.6	161.9	150.2	39.0	128.6	1294.2
1977	116.3	151.2	76.5	72.1	48.9	110.3	89.5	22.4	74.3	761.2
1978	64.5	73.1	39.1	28.2	52.7	82.8	67.1	21.9	59.1	488.5
1979	175.4	163.3	84.3	104.2	64.2	145.6	98.7	30.1	109.1	974.9
1980	91.0	88.3	35.8	21.9	44.0	65.5	62.8	23.7	58.9	491.7
1981	152.3	200.3	95.6	96.4	63.6	125.2	90.4	33.4	126.5	983.5
1982	100.6	106.2	28.8	25.0	38.0	61.0	59.0	18.9	47.2	484.7
1983	118.9	98.7	34.3	28.6	23.8	76.0	61.8	28.9	74.6	545.8
1984	66.5	58.2	21.5	23.4	15.5	37.7	27.9	18.3	45.3	314.3
1985	132.7	170.8	71.8	90.9	32.1	142.5	136.3	41.7	154.4	973.4
1986	169.0	157.5	74.4	100.5	43.2	131.4	85.6	33.7	114.3	909.6

(Table 6 continued)

Year	Nueces River/ West Nueces River basin	Frio River/ Dry Frio River basin	Sabinal River Basin	Area between Sabinal River and Medina River basin	Medina River Basin	Area between Medina River and Cibolo Creek/ Dry Comal Creek basin	Cibolo Creek/Dry Comal Creek basin	Guadalupe River Basin	Blanco River Basin	Total
1987	271.4	282.5	126.5	165.6	66.8	160.1	120.1	30.9	112.3	1336.1
1988	54.2	81.8	19.6	11.3	41.7	30.2	23.8	15.5	37.9	316.1
1989	68.1	58.8	15.0	7.6	36.7	32.7	29.3	18.0	40.3	306.5
1990	121.9	134.7	55.9	47.1	48.9	110.6	75.4	29.1	78.1	701.6
1991	89.6	112.4	63.9	71.1	60.3	146.0	131.5	38.5	137.2	850.4
1992	229.7	244.3	116.5	196.7	61.7	295.2	201.7	35.4	143.8	1525.0
1993	60.4	76.9	33.6	28.7	42.7	81.3	76.0	23.5	62.0	485.1
1994	172.9	162.1	38.9	23.7	41.4	94.2	78.4	29.8	83.9	725.4
1995	90.5	111.2	46.5	30.4	36.9	57.5	42.2	25.0	65.1	505.4
1996	71.1	78.3	13.3	6.5	31.0	28.4	25.2	21.0	50.3	325.1
1997	133.9	151.6	78.9	87.5	51.3	162.6	123.5	37.0	116.1	942.4
1998	155.0	152.3	82.1	123.4	51.1	195.4	157.9	38.0	173.5	1128.7
1999	85.3	95.0	33.8	26.6	41.1	34.5	21.1	16.0	43.9	397.3
2000	79.0	75.4	32.3	47.7	41.3	102.3	70.4	30.8	83.6	562.9

HSPF Recharge for the period of record 1950–2000

Median	106.4	115.9	46.7	59.7	46.9	92.6	70.5	26.3	74.6	701.6
Mean	119.1	122.0	52.3	63.3	45.8	99.6	80.9	26.9	84.2	694.0

USGS Recharge for the period of record 1950–2000

Median	107.1	135.7	35.4	90.9	64.7	49.6	76.9	N/A*	34.6	615.2
Mean	123.1	150.6	46.5	118.3	64.5	71.9	107.7	N/A*	46.1	728.8

HSPF Data source: LBG Guyton Associates, 2005.

* = Historical USGS methodology for recharge does not attribute any net recharge for the Guadalupe River Basin.

Figure 8. Estimated Annual Recharge and Ten-Year Floating Median Recharge for the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer, 1934–2005

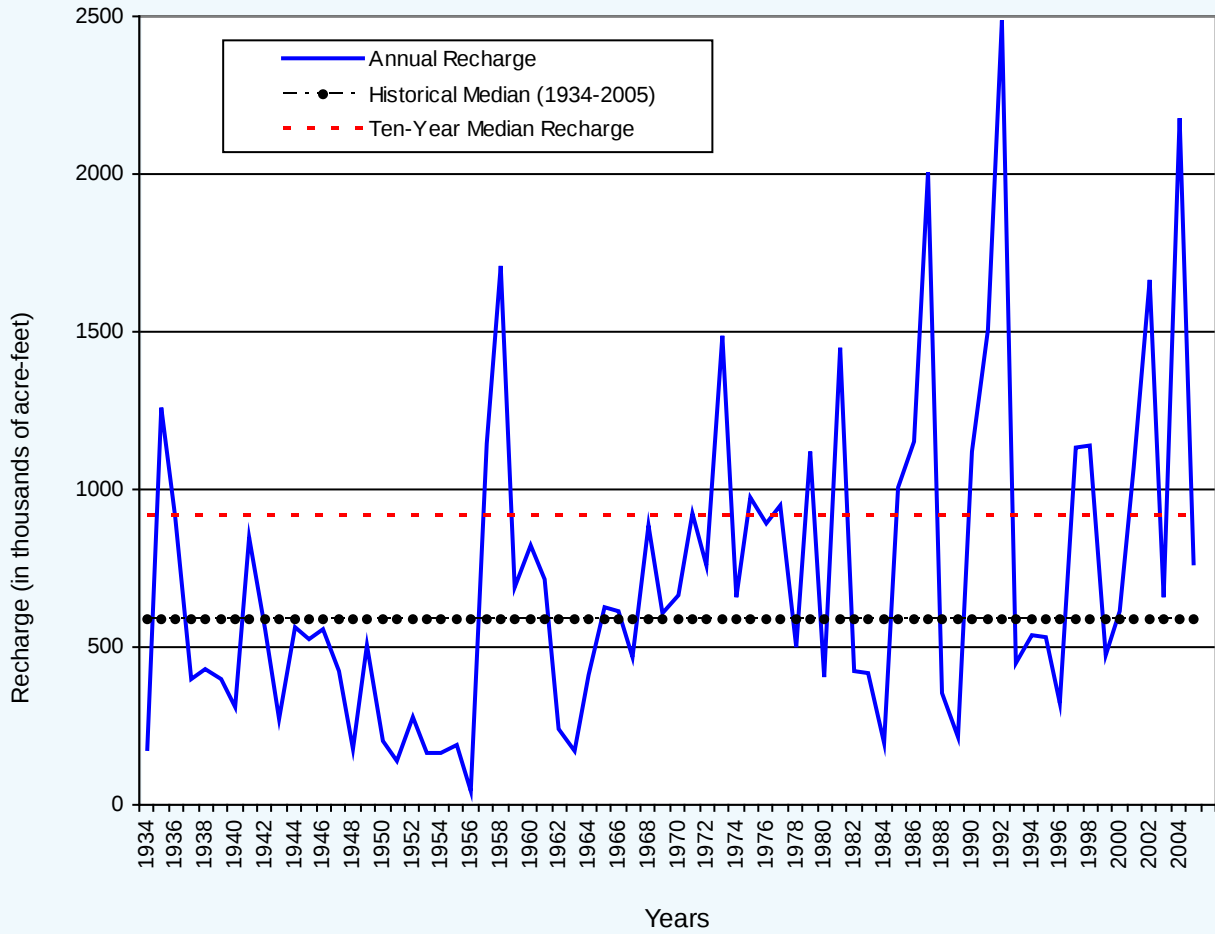


Table 7. Estimated Annual Edwards Aquifer Recharge from Edwards Aquifer Authority-Operated Recharge Structures (measured in acre-feet)

Year	Parker (April 1974)	Verde (April 1978)	San Geronimo (November 1979)	Seco (October 1982)	Annual Total
1974	160	---	---	---	160
1975	620	---	---	---	620
1976	2,018	---	---	---	2,018
1977	6	---	---	---	6
1978	98	150	---	---	248
1979	2,315	1,725	0	---	4,040
1980	0	371	903	---	1,274
1981	772	1,923	1,407	---	4,102
1982	3	112	91	0	206
1983	0	254	0	0	254
1984	251	246	0	143	640
1985	232	440	1,097	643	2,412
1986	217	889	963	1,580	3,649
1987	2,104	4,141	1,176	12,915	20,336
1988	0	0	0	0	0
1989	0	0	0	0	0
1990	49	176	41	479	745
1991	647	966	1,647	2,160	5,420
1992	723	2,775	2,874	14,631	21,003
1993	0	0	334	508	842
1994	159	0	0	5	164
1995	18	79	51	880	1,028
1996	0	0	0	0	0
1997	2,941a	2,154b	1,579b	7,515b	14,189b
1998	1,469a/b	1,160b	872b	3,796b	7,297b
1999	0b	0b	0b	50c	50b/c
2000	901b	1,371b	1,023b	4,606b	7,901b
2001	526b	657b/d	1,085b/d	2,154b/d	4,422b/d
2002	1,811	1,511	4,350	18,872	26,544
2003	665	184	0	465	1,314
2004	2,363	170	4,778	14,682	21,993
2005	795	0	0	58	853
Total	21,863	21,454	24,271	86,142	153,730
Mean	683	766	899	3,589	4,804
Median	242	250	334	576	1,151

Data source: USGS and Edwards Aquifer Authority files, 2006.

a = Written communication from USGS, San Antonio Subdistrict Office.

b = Determined by a linear regression analysis using rainfall data and historical recharge data.

c = Linear regression analysis indicates zero recharge; however, one recharge event was observed that was estimated to have recharged 50 acre-feet.

d = Part of 2001 recharge estimate provided by HDR Engineering, Inc., August 2002.

--- = Years prior to construction of the recharge structure.

GROUNDWATER DISCHARGE AND USAGE

Groundwater discharges from the Edwards Aquifer as springflow or as water pumped from wells. Springflow is the primary basis of recreational economies in New Braunfels and San Marcos, and the springs provide habitat for threatened and endangered animal and plant species. Figure 9 shows locations of the major springs in the San Antonio segment of the aquifer. Wells provide water for many diverse uses in south central Texas, including irrigation, municipal water supplies, industrial applications, and domestic/live-stock consumption. The amount of groundwater discharged as springflow has historically been greater than the amount discharged through wells for any of these uses.

Estimates of annual total groundwater discharge from springflow and pumping for the Edwards Aquifer are available from 1934 through 2005 (Table 8). Annual total groundwater discharge estimates range from a low of 388,800 acre-feet in 1955, to a high of 1,130,000 acre-feet in 1992. In 2005, the total groundwater discharge from the Edwards Aquifer from wells and springs was estimated at 1,035,673 acre-feet (second-highest discharge amount for the period of record).

Springflow was calculated by measuring streamflow downstream of the springs and converting the streamflow measurements to spring discharge. Continuous recording equipment is located at Leona, Hueco, Comal, and San Marcos springs. Periodic measurements were performed at San Pedro and San Antonio springs.

Springflow from 1934 through 2005 has varied from a low of 69,800 acre-feet in 1956 to a high of 802,800 acre-feet in 1992 (Table 8). Table 9 lists the monthly estimated discharge in 2005 for the six primary Edwards Aquifer springs. Spring discharge from the Edwards Aquifer for 2005 was calculated at 647,146 acre-feet. This amount represents the second-highest spring discharge total for the period of record and accounts for approximately 63 percent of total discharge from the Edwards Aquifer in 2005 (Tables 8 and 9). Springflow volumes for calendar years 2002

through 2005 have been extremely high. Calendar year 2004 is the third-highest volume on record at 622,900 acre-feet. Calendar years 2003 and 2002 represent the fourth- and fifth-highest springflow volumes on record, at 621,500 and 609,900 acre-feet, respectively. Calendar year 1992 remains the record year for springflow at 802,800 acre-feet. High aquifer levels during the first quarter of 2005, resulting from ample rainfall in 2004, appear to have contributed significantly to the high springflow volumes recorded in 2005. Another contributing factor appears to be related to 2005 rainfall in the drainage area (see Figure 6), where most precipitation appears to have been located during the year. Springflow at Comal Springs ranged from a low of 339 cubic feet per second (cfs), to a high of 472 cfs for the year. Mean flow for the period of record at Comal Springs is approximately 290 cfs, whereas the calendar year 2005 mean was 398 cfs at Comal Springs. Springflow at San Marcos Springs ranged from a low of 142 cfs to a high of 353 cfs for the year. Mean springflow at San Marcos Springs for the period of record is approximately 176 cfs, whereas the calendar year 2005 mean was 234 cfs.

Figure 10 is a graph comparing Edwards Aquifer well discharge with (total) springflow. The figure shows the variability in springflow and the general trend of increasing well discharge over the period of record. The lowest estimated annual aquifer pumping level was 101,900 acre-feet recorded in 1934. In 2005, total estimated well production was approximately 388,500 acre-feet of water from the Edwards Aquifer. Total well production for 2005 was greater than that of 2004 (approximately 23.5 percent) at 388,500 acre-feet versus 314,400 acre-feet. Well-production totals for 2004, 2003, and 2002 listed in this report reflect updated values from their respective reports as a result of corrections to the data set.

The median estimated well production for the period of record (1934–2005) is 319,300 acre-feet per year. The median estimated well production for the ten-year period 1996–2005, is 382,800 acre-feet. Pumping from wells with Edwards Aquifer Authority

groundwater withdrawal permits accounted for approximately 366,400 acre-feet of water discharged from the Edwards Aquifer in 2005. Unreported pumping, which consists of pumping from domestic and livestock wells, pumping (based on historical estimates) from wells in Kinney County, and pumping from non-reporting Federal facilities, is estimated at approximately 22,100 acre-feet for 2005. The total amount of water discharged from wells in 2005, including unreported (non-permitted) pumping was 388,500 acre-feet, 94 percent of which was withdrawn by permit, with the remaining six percent classified as unreported pumpage.

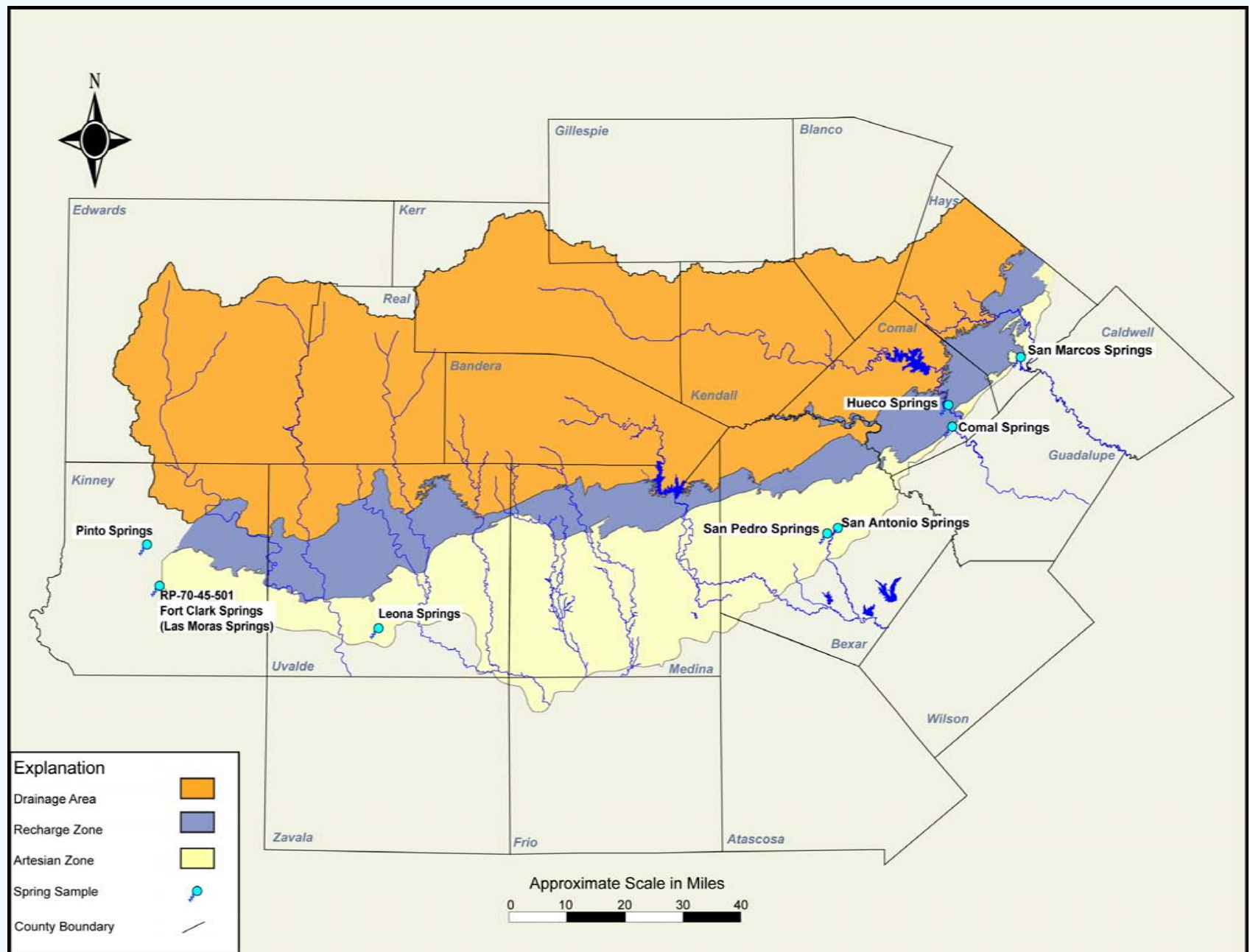
Permitted discharge estimates are based on reported use from metered wells throughout the region and are the most accurate estimates for well discharge. Non-permitted discharge estimates from wells are generally less accurate than permitted discharge because these numbers are not based on metered discharges. Prior to 1999, well discharge estimates were provided to the Authority by the USGS as estimates based on various methodologies that represented the best available technology at the time. However, the Authority completed a program requiring all irrigation, industrial, and municipal wells to be metered in 1999, subsequently improving estimates of well discharge from that period forward for these wells.

Discharge for wells and springs over the last ten years has fluctuated with variations in timing, duration, and magnitude of rainfall for any given year. Generally, dry years exhibit the highest well-discharge volumes, whereas wet years show the greatest spring-discharge volumes. Since 1996, well discharge has varied from a low of 317,400 acre-feet (in 2004) to a high of 493,600 acre-feet (in 1996). During the same period, spring discharge has varied from a low of 212,000 acre-feet (in 1996) to a high of 647,100 acre-feet (in 2005). The ten-year high for well discharge recorded in 1996 may be correlated with below-average (17.8 inches) rainfall that year in San Antonio. As a result, 1996 is characterized by low springflow volumes and high well-discharge

volumes. In 2005, well discharge was relatively high at 388,500 acre-feet, yet springflow was extremely high at 647,100 acre-feet, the second-highest volume since 1934. However, rainfall in 2005 was below normal, at 16.54 inches in San Antonio. Although this behavior may appear anomalous, two factors most likely contributed to it. First, rainfall in the aquifer drainage area was much higher than in San Antonio (see Figure 6), helping maintain recharge via surface streams in the region. The second factor involves rainfall amounts that were above average four out of five years prior to 2005, with very high rainfall in 2002 and 2004. As such, calendar year 2005 began with a relatively “full” aquifer system, contributing to high spring discharge. In the Edwards Aquifer, springflows and aquifer levels both respond to recharge and drought by either increasing when recharge is high or decreasing when more water is discharged than is recharged. As a result of below-average rainfall in 2005, springflows and aquifer levels are expected to be much lower in 2006, unless significant recharge events occur to “refill” the system.

Table 11 shows total discharge data by use for the period 1955–2005, for the counties in the region. The discharge estimates were compiled from pumpage data reported to the Authority by irrigation, industrial, and municipal users, as well as estimates for domestic and livestock, non-reporting Federal facilities, and historical Kinney County usage. Discharge is summarized graphically in Figure 11, showing discharge by type of use and total discharge for wells versus springs. Springflow at Comal and San Marcos springs is summarized graphically in Figure 12. In this figure, the annual mean flow value at each spring complex is plotted against historical mean flow for each of the two spring complexes. Tables 12 and 13, both new to this report, show authorized withdrawals (actual discharge from wells) within the jurisdictional area of the Authority. Table 12 summarizes actual authorized groundwater withdrawal totals by year and type of use. Table 13 summarizes actual authorized groundwater withdrawals by county and type of use.

Figure 9. Major Springs in the San Antonio Segment of the Balcones Fault Zone Edwards Aquifer



**Table 8. Annual Estimated Groundwater Discharge Data by County for the Edwards Aquifer,
1934–2005 (measured in thousands of acre-feet)**

Year	Kinney ^a Uvalde	Medina	Bexar	Comal	Hays	Total	Total Wells	Total Springs
1934	12.6	1.3	109.3	229.1	85.6	437.9	101.9	336.0
1935	12.2	1.5	171.8	237.2	96.9	519.6	103.7	415.9
1936	26.6	1.5	215.2	261.7	93.2	598.2	112.7	485.5
1937	28.3	1.5	201.8	252.5	87.1	571.2	120.2	451.0
1938	25.2	1.6	187.6	250.0	93.4	557.8	120.1	437.7
1939	18.2	1.6	122.5	219.4	71.1	432.8	118.9	313.9
1940	16.1	1.6	116.7	203.8	78.4	416.6	120.1	296.5
1941	17.9	1.6	197.4	250.0	134.3	601.2	136.8	464.4
1942	22.5	1.7	203.2	255.1	112.2	594.7	144.6	450.1
1943	19.2	1.7	172.0	249.2	97.2	539.3	149.1	390.2
1944	11.6	1.7	166.3	252.5	135.3	567.4	147.3	420.1
1945	12.4	1.7	199.8	263.1	137.8	614.8	153.3	461.5
1946	6.2	1.7	180.1	261.9	134.0	583.9	155.0	428.9
1947	13.8	2.0	193.3	256.8	127.6	593.5	167.0	426.5
1948	9.2	1.9	159.2	203.0	77.3	450.6	168.7	281.9
1949	13.2	2.0	165.3	209.5	89.8	479.8	179.4	300.4
1950	17.8	2.2	177.3	191.1	78.3	466.7	193.8	272.9
1951	16.9	2.2	186.9	150.5	69.1	425.6	209.7	215.9
1952	22.7	3.1	187.1	133.2	78.8	424.9	215.4	209.5
1953	27.5	4.0	193.7	141.7	101.4	468.3	229.8	238.5
1954	26.6	6.3	208.9	101.0	81.5	424.3	246.2	178.1
1955	28.3	11.1	215.2	70.1	64.1	388.8	261.0	127.8
1956	59.6	17.7	229.6	33.6	50.4	390.9	321.1	69.8
1957	29.0	11.9	189.4	113.2	113.0	456.5	237.3	219.2
1958	23.7	6.6	199.5	231.8	155.9	617.5	219.3	398.2
1959	43.0	8.3	217.5	231.7	118.5	619.0	234.5	384.5
1960	53.7	7.6	215.4	235.2	143.5	655.4	227.1	428.3
1961	56.5	6.4	230.3	249.5	140.8	683.5	228.2	455.3
1962	64.6	8.1	220.0	197.5	98.8	589.0	267.9	321.1
1963	51.4	9.7	217.3	155.7	81.9	516.0	276.4	239.6
1964	49.3	8.6	201.0	141.8	73.3	474.0	260.2	213.8
1965	46.8	10.0	201.1	194.7	126.3	578.9	256.1	322.8
1966	48.5	10.4	198.0	198.9	115.4	571.2	255.9	315.3
1967	81.1	15.2	239.7	139.1	82.3	557.4	341.3	216.1
1968	58.0	9.9	207.1	238.2	146.8	660.0	251.7	408.3
1969	88.5	13.6	216.3	218.2	122.1	658.7	307.5	351.2
1970	100.9	16.5	230.6	229.2	149.9	727.1	329.4	397.7
1971	117.0	32.4	262.8	168.2	99.1	679.5	406.8	272.7
1972	112.6	28.8	247.7	234.3	123.7	747.1	371.3	375.8
1973	96.5	14.9	273.0	289.3	164.3	838.0	310.4	527.6
1974	133.3	28.6	272.1	286.1	141.1	861.2	377.4	483.8
1975	112.0	22.6	259.0	296.0	178.6	868.2	327.8	540.4
1976	136.4	19.4	253.2	279.7	164.7	853.4	349.5	503.9
1977	156.5	19.9	317.5	295.0	172.0	960.9	380.6	580.3
1978	154.3	38.7	269.5	245.7	99.1	807.3	431.8	375.5
1979	130.1	32.9	294.5	300.0	157.0	914.5	391.5	523.0
1980	151.0	39.9	300.3	220.3	107.9	819.4	491.1	328.3
1981	104.2	26.1	280.7	241.8	141.6	794.4	387.1	407.3
1982	129.2	33.4	305.1	213.2	105.5	786.4	453.1	333.3
1983	107.7	29.7	277.6	186.6	118.5	720.1	418.5	301.6
1984	156.9	46.9	309.7	108.9	85.7	708.1	529.8	178.3
1985	156.9	59.2	295.5	200.0	144.9	856.5	522.5	334.0
1986	91.7	41.9	294.0	229.3	160.4	817.3	429.3	388.0
1987	94.9	15.9	326.6	286.2	198.4	922.0	364.1	557.9
1988	156.7	82.2	317.4	236.5	116.9	909.7	540.0	369.7

(Table 8 continued)

Year	Kinney ^a Uvalde	Medina	Bexar	Comal	Hays	Total	Total Wells	Total Springs
1989	156.9	70.5	305.6	147.9	85.6	766.5	542.4	224.1
1990	118.1	69.7	276.8	171.3	94.1	730.0	489.4	240.6
1991	76.6	25.6	315.5	221.9	151.0	790.6	436.0	354.6
1992	76.5	9.3	370.5	412.4	261.3	1130.0	327.2	802.8
1993	107.5	17.8	371.0	349.5	151.0	996.7	407.3	589.4
1994	95.5	41.1	297.7	269.8	110.6	814.8	424.6	390.2
1995	90.8	35.2	272.1	235.0	127.8	761.0	399.6	361.3
1996	117.6	66.3	286.8	150.2	84.7	705.6	493.6	212.0
1997	77.0	31.4	260.2	243.3	149.2	761.1	377.1	383.9
1998	113.1	51.3	312.4b	271.8c	168.8	917.6	453.5	464.1
1999	104.0	49.2	307.1b	295.5c	143.0	898.8	442.7	456.1
2000	89.1	45.1	283.6b	226.1c	108.4	752.3	414.8	337.5
2001	68.6	33.9	291.6b	327.7c	175.4	890.0	367.7	529.6
2002*	76.2	40.6	311.9b	350.4c	202.1	981.2	371.3	609.9
2003*	89.4	34.8	331.7b	344.7c	176.3	976.9	362.1	621.5
2004*	91.3	22.5	331.9b	341.4c	153.1	940.3	317.4	622.9
2005	107.4	37.3	366.1b	349.3c	175.6	1035.7	388.5	647.1
For period of record 1934-2005:								
Mean	72.4 ^a	21.0	244.3	228.8	122.8	689.3	306.5	383.0
Median	76.4 ^a	15.1	235.2	234.7	118.5	681.5	319.3	384.2
For period of record 1996-2005 (last ten years):								
Mean	93.4 ^a	41.2	308.3	290.0	153.7	886.0	398.9	488.5
Median	90.4 ^a	39.0	309.5	311.6	161.0	908.2	382.8	496.9

Data source: United States Geological Survey and Edwards Aquifer Authority, 2006.

* = Calendar years 2002, 2003, and 2004 updated using corrected/updated data obtained in 2006.

a = Kinney County well discharge is estimated.

b = Includes reports of Edwards Aquifer irrigators in Atascosa County.

c = Includes reports of Edwards Aquifer industrial and municipal users in Guadalupe County.

Differences in totals columns may occur because of rounding.

Table 9. Estimated Spring Discharge from the Edwards Aquifer, 2005 (measured in acre-feet)

Month	Leona Springs and Leona River Underflow*	San Pedro Springs	San Antonio Springs	Comal Springs	Hueco Springs	San Marcos Springs	Total Monthly Discharge From Springs
January	5,252	1,360	12,610	27,130	5,550	20,480	72,382
February	5,122	1,300	12,230	24,900	5,170	17,460	66,182
March	6,704	1,410	13,880	28,340	6,010	18,610	74,954
April	5,579	1,200	10,070	26,530	5,250	17,460	66,089
May	4,322	1,010	7,490	26,140	5,100	16,410	60,472
June	3,661	777	5,760	23,810	4,590	14,450	53,048
July	3,209	541	2,920	22,450	4,360	12,880	46,360
August	3,613	603	3,420	22,230	4,160	11,890	45,916
September	3,374	549	2,900	21,520	2,760	10,890	41,993
October	3,533	529	2,720	22,360	2,110	10,790	42,042
November	3,576	515	2,760	21,240	1,540	9,240	38,871
December	3,620	553	3,160	21,380	1,310	8,840	38,863
Total^a	51,566	10,340	79,930	288,000	47,910	169,400	647,146

Data source: United States Geological Survey. (Data come from a memorandum provided by USGS concerning recharge to and spring discharge from the Edwards Aquifer, 2006.

Prepared by Richard Slattery, April 5, 2006, 3 p.)

^a Differences in totals may occur because of rounding.

* = Studies by Southwest Research Institute indicate that underflow may potentially be much higher (SWRI, 2004)

Figure 10. Groundwater Pumping Compared with Springflow from the Edwards Aquifer, 1934–2005
 (measured in thousands of acre-feet)

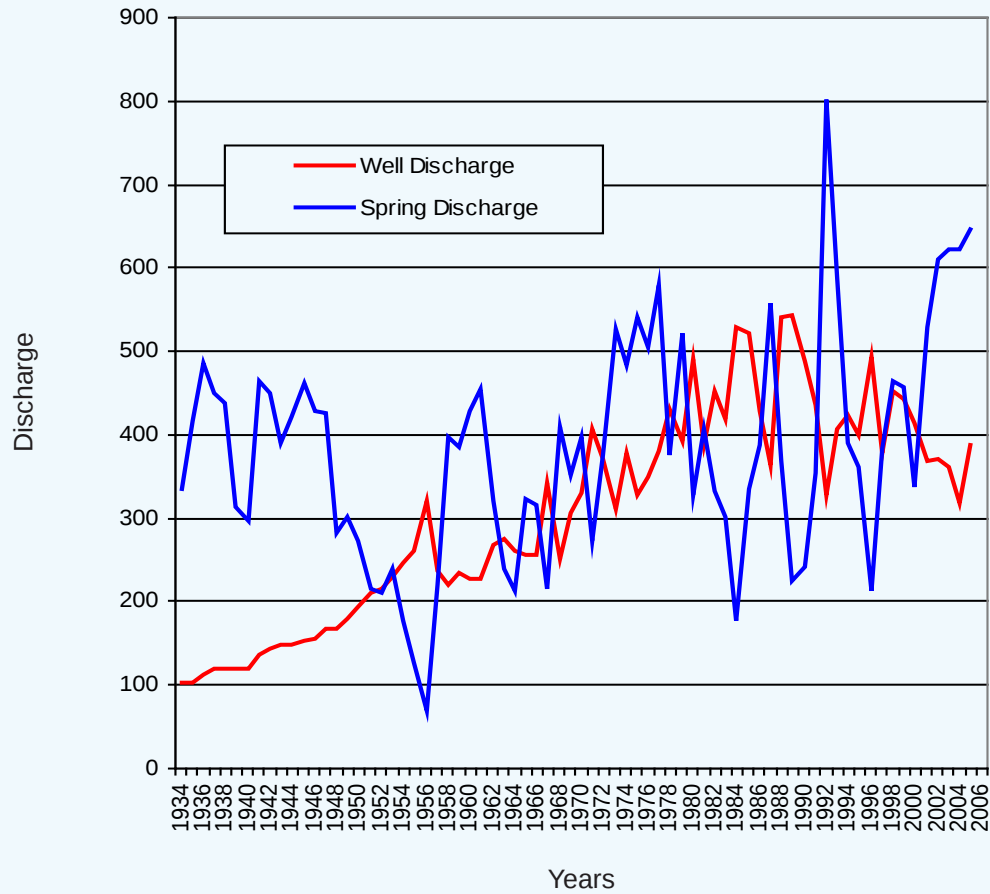
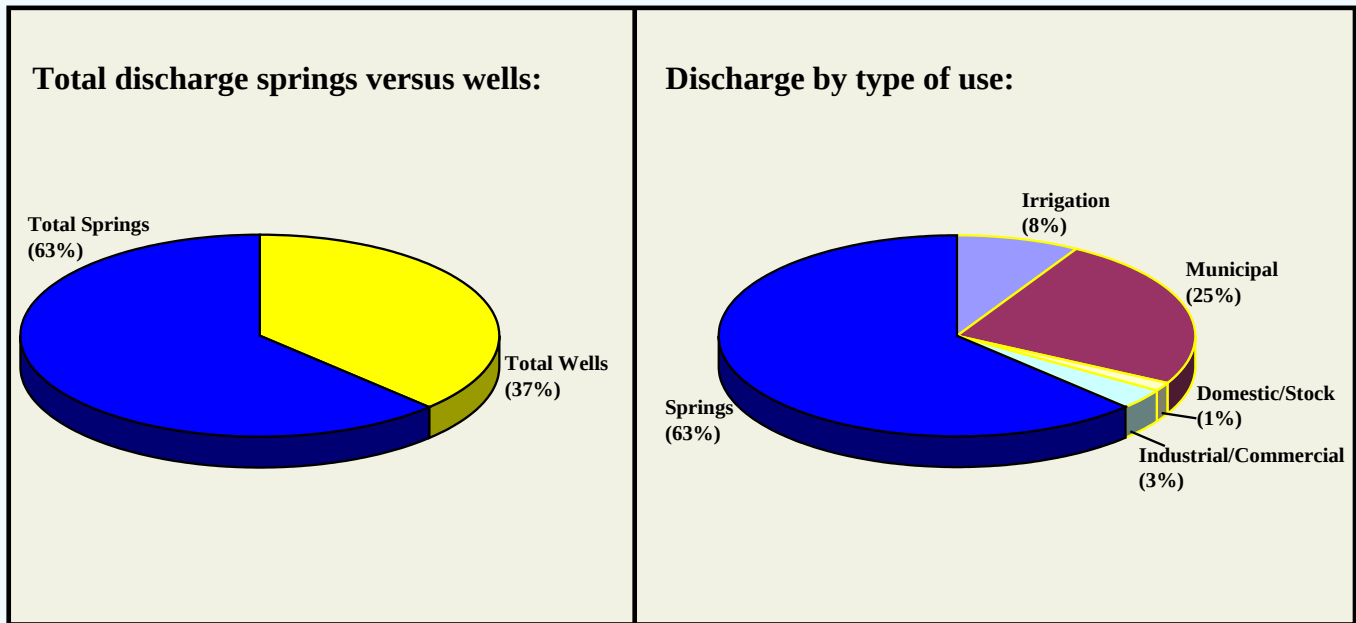


Figure 11. Distribution of Total Discharge from the Edwards Aquifer by Springs and Wells for Calendar Year 2005.



**Table 10. Total Groundwater Discharge from the Edwards Aquifer, 2005
(measured in thousands of acre-feet)**

County	Irrigation	Municipal/ Military	Domestic/ Stock	Industrial	Total Wells	Springs	Total Wells & Springs
Bexar	9.06a/b	234.26f/c	9.05	23.43	275.80	90.27e	366.07
Comal	0.06b	5.28d	0.33	7.75d	13.41	335.91e	349.32
Hays	0.12b	4.32	0.82	0.93	6.19	169.40e	175.59
Medina	29.07b	5.96	0.95	1.30	37.27	0.00	37.27
Uvalde	46.43b	4.25	2.35	0.94	53.96	51.57e	105.53
Kinney*	0.60c	1.00	0.30	0.00	1.90	0.00	1.90
Total**	85.33	255.06	13.80	34.35	388.53	647.15	1,035.67

Data source: Edwards Aquifer Authority, and United States Geological Survey, 2006.

a = Includes Atascosa County.

b = Measured from reports by Edwards Aquifer irrigators.

c = Estimated by Edwards Aquifer Authority.

d = Includes Guadalupe County.

e = Estimated by USGS.

f = Measured by Edwards Aquifer Authority.

* Kinney Co. based on historical use estimates.

** Differences in totals may occur because of rounding.

Figure 12. Annual versus Period of Record Mean Springflow, Comal and San Marcos Springs

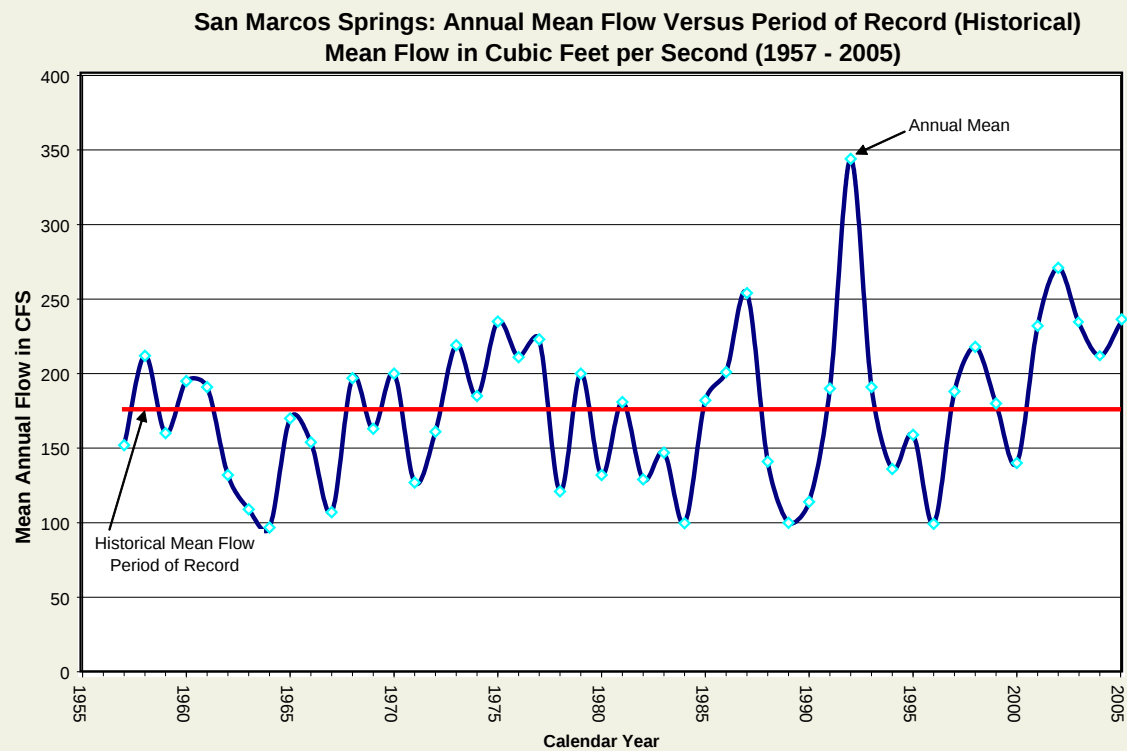
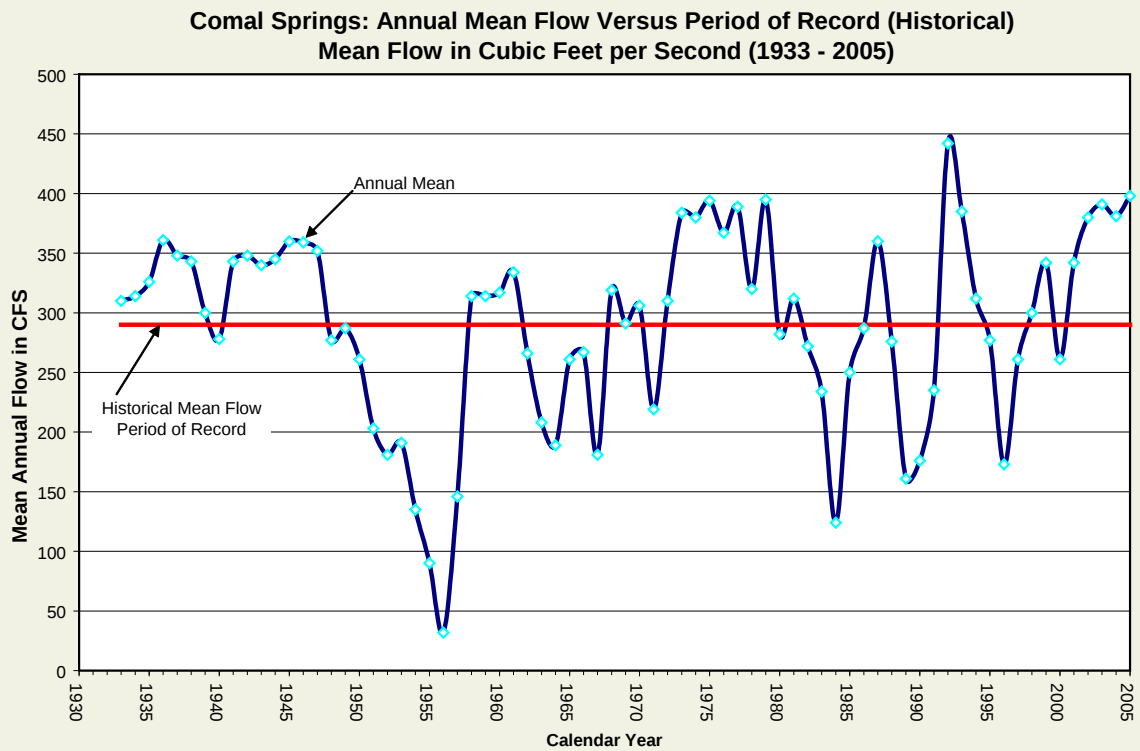


Table 11. Annual Estimated Edwards Aquifer Groundwater Discharge by Use, 1955–2005
(measured in thousands of acre-feet)

Year	Irrigation	Municipal	Domestic/Stock	Industrial/Commercial	Springs
1955	85.2	120.5	30.1	25.1	127.8
1956	127.2	138.3	28.9	22.4	69.8
1957	68.8	116.1	29.8	22.6	219.2
1958	47.2	113.7	33.4	25.1	398.2
1959	60.0	118.9	31.5	24.2	384.5
1960	54.9	121.1	29.1	23.3	428.3
1961	52.1	124.5	29.6	22.2	455.3
1962	72.7	143.7	28.8	22.8	321.1
1963	75.4	151.8	27.8	21.8	239.6
1964	72.6	140.2	26.3	21.7	213.8
1965	68.0	138.8	27.0	22.3	322.8
1966	68.2	141.8	23.3	22.6	315.3
1967	119.4	171.0	25.1	25.8	216.1
1968	59.3	146.9	25.5	20.0	408.3
1969	95.2	162.0	29.2	21.1	351.2
1970	110.1	167.5	29.3	22.5	397.7
1971	159.4	196.2	28.6	22.6	272.7
1972	128.8	190.5	30.8	21.1	375.8
1973	82.2	177.1	32.3	18.8	527.6
1974	140.4	174.6	33.5	15.1	483.3
1975	96.4	182.5	33.6	15.3	540.4
1976	118.2	182.1	34.6	14.7	503.9
1977	124.2	205.3	38.1	13.0	580.3
1978	165.8	214.2	40.3	11.5	375.5
1979	126.8	208.9	40.7	15.2	523.0
1980	177.9	256.2	43.3	13.7	328.3
1981	101.8	231.8	40.9	12.6	407.3
1982	130.0	268.6	39.5	15.0	333.3
1983	115.9	249.2	38.8	14.7	301.5
1984	191.2	287.2	36.2	15.2	178.3
1985	203.1	263.7	39.2	16.5	334.0
1986	104.2	266.3	42.0	16.8	388.0
1987	40.9	260.9	43.5	18.7	557.9
1988	193.1	286.2	41.9	18.8	369.7
1989	196.2	285.2	38.2	22.9	224.1
1990	172.9	254.9	37.9	23.7	240.6
1991	88.5	240.5	39.5	67.5	354.6
1992	27.1	236.5	34.8	29.0	802.8
1993	69.3	252.0	49.9	36.1	589.4
1994	104.5	247.0	33.9	39.3	390.2
1995 ^a	95.6	255.0	11.6	37.3	361.3
1996	181.3	261.3	12.3	38.8	212.0
1997	77.4	253.0	12.3	34.4	383.9
1998	131.9	266.5	13.4	41.7 ^b	464.1
1999 ^b	113.6	273.3	13.4	42.4	456.1
2000	106.3	261.3	13.4	33.8	337.5
2001	79.0	245.9	13.4	29.4	529.4
2002*	97.1	228.4	13.6**	32.3	609.9
2003*	79.6	237.2	13.7**	31.7	621.5
2004*	55.4	220.3	13.8**	28.1	622.9
2005	85.3	255.1	13.8**	34.3	647.1
For period of record 1955–2005:					
Mean	105.8	207.7	29.6	24.7	394.1
Median	97.1	220.3	30.1	22.6	383.9
For period of record 1996–2005 (last ten years):					
Mean	100.7	250.2	13.3	34.7	488.4
Median	90.2	254.1	13.4	34.1	496.8

Data source: United States Geological Survey and Edwards Aquifer Authority, 2006.

* = Calendar years 2002, 2003, and 2004 updated from previous reports using corrected data obtained from Authority files in 2006.

** = Increase based on number of new wells permitted annually.

^a = In 1995 USGS revised the method of calculating domestic/livestock pumpage, which significantly decreased the estimate for subsequent years.

^b = In 1999 the Authority began the well metering program, which significantly improved discharge estimates for authorized usage.

Table 12. Actual annual authorized groundwater withdrawals within the Edwards Aquifer Authority Jurisdictional Area, 1999–2005 (in acre-feet).

Year	Total	Municipal	Industrial	Irrigation
1999	429,190	277,101	42,933	109,156
2000	398,734	260,291	33,473	104,970
2001	359,176	250,781	30,307	78,088
2002	356,135	227,362	32,328	96,445
2003	340,158	229,455	31,688	79,015
2004	295,495	212,630	28,072	54,793
2005	366,416	247,344	34,339	84,733

Data source: Edwards Aquifer Authority, 2006.

In 2005, the Authority and USGS estimated discharge from the Edwards Aquifer. Prior to 1997, USGS determined the total amount of irrigated acreage from county tax rolls, which have remained relatively constant over recent years. County soil and water conservation districts provided estimates of irrigation “duties” for selected crop types. The USGS multiplied these duties by amounts of irrigated acreage and by crop type, as provided by the U.S. Department of Agriculture (USDA), thereby determining an estimate of irrigation uses from the Edwards Aquifer.

In 1997, the Authority initiated the Edwards Aquifer Water Well Meter Program, which requires meters to be placed on all municipal, industrial, and irrigation wells in the Edwards Aquifer. Since 1998, the Authority has utilized well-pumpage data from the Water Well Meter Program to estimate well discharge. The availability of direct pumpage data has significantly improved the discharge-estimating process. Pumpage data for calendar years 2002, 2003, and

2004 in this report reflect corrected totals obtained from updated withdrawal information such as late reports and other corrections not available previously. Specifically, the updates are based on information that was either reported or posted after completion of previous versions of this report.

In 2001, the Authority implemented a well construction permit system requiring new wells drilled in the Edwards Aquifer to obtain a well construction permit. Well construction permit data were used to develop updated estimates for the domestic and livestock use category in Tables 10 and 11. On the basis of the addition of 59 wells in the category of domestic and livestock in 2005, domestic and livestock use was increased by approximately 37 acre-feet for 2005, compared with that amount for 2004. The estimated mean for per well domestic and livestock usage of 564 gallons per well per day is based on methodology outlined in William F. Guyton Associates (1992).

Table 13. Actual Authorized Groundwater Withdrawals within the Edwards Aquifer Authority Jurisdictional Area by County and Type of Use, 1999–2005 (in acre-feet)

County	Year	Total	Municipal	Industrial	Irrigation
Uvalde	1999	68,009	7,106	2,046	58,857
	2000	66,683	7,137	1,636	57,910
	2001	48,871	4,790	921	43,160
	2002	59,840	4,361	624	54,855
	2003	49,276	4,023	488	44,765
	2004	38,416	3,834	218	34,364
	2005	51,616	4,248	940	46,428
Medina	1999	48,085	7,727	1,354	39,004
	2000	44,162	6,564	839	36,759
	2001	33,608	6,433	768	26,407
	2002	39,659	5,497	1,050	33,112
	2003	33,866	5,922	727	27,217
	2004	21,617	5,738	731	15,148
	2005	36,318	5,957	1,295	29,066
Bexar	1999	276,322	241,437	25,464	9,421
	2000	264,735	233,983	21,849	8,903
	2001	254,791	227,370	20,192	7,229
	2002	233,614	205,897	20,084	7,633
	2003	235,821	209,972	19,692	6,157
	2004	218,919	195,462	18,608	4,849
	2005	258,916	227,544	23,430	7,942
Comal	1999	22,882	10,511	12,242	129
	2000	15,384	7,733	7,514	137
	2001	13,889	7,289	6,556	44
	2002	16,681	8,093	8,533	55
	2003	13,815	4,174	9,549	92
	2004	11,120	3,658	7,421	41
	2005	12,860	5,275	7,528	57
Hays	1999	11,985	10,320	1,646	19
	2000	6,378	4,874	1,447	57
	2001	6,626	4,899	1,650	77
	2002	5,391	3,479	1,851	61
	2003	6,481	5,324	1,050	107
	2004	4,864	3,900	910	54
	2005	5,368	4,320	928	120
Guadalupe	1999	181	0	181	0
	2000	188	0	188	0
	2001	220	0	220	0
	2002	221	35	186	0
	2003	222	40	182	0
	2004	222	38	184	0
	2005	218	0	218	0
Atascosa	1999	1,726	0	0	1,726
	2000	1,204	0	0	1,204
	2001	1,171	0	0	1,171
	2002	729	0	0	729
	2003	677	0	0	677
	2004	337	0	0	337
	2005	1,120	0	0	1,120

Data source: Edwards Aquifer Authority, 2006.

No reported authorized withdrawals from Caldwell County.

WATER QUALITY

The Authority, in cooperation with the USGS and TWDB, has conducted a systematic program of water quality data collection since 1968. Through this cooperative effort, the Authority has maintained a network of groundwater and surface water monitoring sites, including major springs, for gathering water quality data across the Edwards Aquifer area. Analyses of these data have been used by the Authority to assess aquifer water quality.

Each year the Authority monitors the quality of water in the aquifer by sampling approximately 80 wells, eight surface water sites, and major spring groups across the region. Because of the aerial extent of the aquifer and the large number of wells within it, the annual data set provides only limited resolution with regard to aquifer-wide conditions. The sampling program provides a representative “snapshot” of water quality conditions relative to the location, time, and date the sample was collected. As such, annual water quality data often provide further insight for identification of areas that may be problematic with regard to the presence of compounds that are not indigenous to the system. As a result, these areas may subsequently be sampled with higher frequency or greater density, if warranted.

In 2005, the Authority collected water quality samples from 97 wells, seven spring groups, and eight streams. Water quality samples collected by the Authority are summarized in this report. Locations of these monitoring sites are shown on Figures 13a, b, c, and d. These samples were analyzed in the field for selected water quality parameters and in the laboratory for inorganic and organic chemical constituents. Field analyses included temperature, pH, conductivity, and alkalinity. In general, most water samples were analyzed in the laboratory for common major ions, minor elements (metals), total dissolved solids (TDS), hardness, and nutrients. Water samples collected from 45 wells and six spring groups were also analyzed for volatile organic compounds (VOC's). Semivolatile organic compounds (SVOC's) were included in the analyses of water samples from 25

wells and six spring groups, whereas water samples collected from 38 wells, six spring groups, and eight stream locations were analyzed for pesticides, herbicides, and polychlorinated biphenyls (PCB's).

A general listing of the parameters analyzed, their drinking water standards, and typical concentrations in the Edwards Aquifer are listed in Table 14. The water quality data collected in 2005 are included in Appendix C. Water quality data collected from wells in 2005 are compiled in Appendix C, Tables C-1 through C-7. Water quality data collected from streams and springs in 2005 are compiled in Appendix C, Tables C-8 through C-14. These water analyses are subsequently compared with the following State water quality standards to determine whether any concentrations exceed health-based levels:

Primary Drinking Water Standards — These standards are enforceable and are often referred to as maximum contaminant levels (MCL's) or primary drinking water standards. The MCL for a contaminant is the maximum permissible level in water that is delivered to any user of a public water system. MCL's protect drinking water quality by limiting levels of specific contaminants that can adversely affect public health and are known or anticipated to occur in public water systems. The primary standards are based on concentrations published in Title 30 of the Texas Administrative Code, Chapter 290, Subchapter F, and are indicated on Table 14. For compounds that do not have an established MCL, the protective concentration level (PCL), is provided, which is based on the Texas Risk Reduction Program (TRRP), Tier 1, residential value as referenced in Title 30, Texas Administrative Code, Chapter 350. This concentration is the value estimated to be protective of human health and the environment.

Secondary Drinking Water Standards — These standards are nonenforceable and are set for contaminants that may affect aesthetic qualities of drinking water, such as odor or appearance. Table 15 is a list of current secondary standards. Concentrations

of the secondary standards listed in Table 15 are generally not exceeded in the freshwater part of the Edwards Aquifer, although concentrations of total dissolved solids (TDS), fluoride, chloride, and iron typically exceed secondary standards in samples from the saline water zone.

Water Quality Data from Edwards Aquifer Wells

Groundwater samples for calendar year 2005 were analyzed by contract laboratories (Anacon, Inc., Severn Trent Services [STL], and the Lower Colorado River Authority [pursuant to an analytical services contract with the TWDB]) for the following metals: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, lithium, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, silica, silver, sodium, strontium, thallium, vanadium, and zinc.

Of the 95 well samples analyzed for metals, laboratory analyses indicated the presence of one metal (lead), regulated under the primary drinking water standards in well water samples during 2005 at concentrations exceeding its respective MCL of 15 micrograms per liter ($\mu\text{g/L}$). In addition, three metals (strontium, iron, and manganese), regulated under the Texas Risk Reduction Program, were detected above the TRRP limit, or PCL. The PCL for these metals is as follows: strontium 15,000 $\mu\text{g/L}$, iron 300 $\mu\text{g/L}$, and manganese 50 $\mu\text{g/L}$. Iron and manganese also have secondary drinking water standards (see Table 14) below the level at which they were detected. These metals were detected as follows:

Metals detections above MCL or PCL concentrations:

Uvalde County

- Lead detected in: UV00571-2 at 28.6 $\mu\text{g/L}$ (MCL = 15 $\mu\text{g/L}$)
- Manganese detected in: YP-69-53-701 at 90 $\mu\text{g/L}$ (PCL = 50 $\mu\text{g/L}$)

Medina County

- Iron detected in: TD-69-47-215 at 1,040 $\mu\text{g/L}$ (PCL = 300 $\mu\text{g/L}$)
- Iron detected in: TD-69-63-103 at 537 $\mu\text{g/L}$ (PCL = 300 $\mu\text{g/L}$)
- Strontium detected in: TD-69-63-103 at 22,800 $\mu\text{g/L}$ (PCL = 15,000 $\mu\text{g/L}$)

Hays County

- Strontium detected in: LR-67-01-303 at 32,700 $\mu\text{g/L}$ (PCL = 15,000 $\mu\text{g/L}$)
- Strontium detected in: TD-67-01-303 at 30,200 $\mu\text{g/L}$ (PCL = 15,000 $\mu\text{g/L}$)

Well locations are shown in detail in Figures 13a–d. Detailed well locations for Uvalde and Medina counties are shown in Figure 13a. Detailed well locations for Bexar County are shown in Figure 13b, Comal County in Figure 13c, and Hays County in Figure 13d.

Strontium, iron, and manganese often occur at relatively high concentrations inside the saline part of the Edwards Aquifer. Many of the saline wells sampled in 2005 tested positive for high levels of these metals, as well as fluoride, sulfate, chloride, and total dissolved solids (TDS). However, concentrations of these metals above their respective standards are less common in the freshwater part of the aquifer. Appendix C provides a detailed listing of all analytical results obtained in 2005.

Ninety-five wells were sampled in Kinney, Uvalde, Medina, Bexar, Atascosa, Comal, and Hays counties for the presence of nitrate-nitrite as nitrogen concentrations in 2005. Nitrate-nitrite as nitrogen (*nitrate* for this report) is a highly soluble, naturally occurring compound in both surface water and groundwater. The largest amounts of naturally occurring nitrate in surface water and groundwater are derived from direct absorption from the air and soil during rainfall events. Generally concentrations of nitrate below one mg/L are considered background from natural sources. Concentrations above two mg/L are considered elevated. Potential sources of elevated nitrate

include runoff from agricultural and urban sources (fertilizer from farm fields and yards); from septic systems, leaking sewer lines, and animal waste; and from nitrogen compounds used as blasting agents in quarrying operations. Concentrations of nitrate above the MCL of ten mg/L pose an increased risk for methemoglobinemia or “Blue Baby Syndrome,” which results from nitrates interfering with the ability of blood to carry oxygen in infants usually younger than six months. High nitrate levels do not appear to have an acute health affect on older people.

None of the nitrate-nitrite as nitrogen concentrations exceeded the MCL of ten mg/L. Of the 95 wells sampled for nitrate, 31 wells contained concentrations at or above 2.0 mg/L, including two wells in Kinney County, eight wells in Uvalde County, seven wells in Medina County, ten wells in Bexar County, three wells in Comal County, and one well in Hays County. Five wells indicated concentrations above five mg/L in Uvalde, Comal, and Hays counties. The Authority is studying historical nitrate concentrations to identify trends that may indicate contamination sources.

Nitrate detections above five mg/L were found in:

Uvalde County

- YP-69-51-114 at 7.34 mg/L
- UV00572-3 at 6.73 mg/L
- UV00571-2 at 5.01 mg/L

Comal County

- DX-68-23-507 at 5.38 mg/L

Hays County

- LR-67-01-812 at 6.73 mg/L

In 2005, water samples collected from 45 wells were analyzed for VOCs. The only VOC detected at a concentration greater than the MCL for well samples in 2005 was the compound tetrachloroethene (PCE) at 30.5 µg/L, in Bexar County well AY-68-36-1DR. The MCL for PCE is 5.0 µg/L. The Authority and TCEQ are investigating the source of the tetrachloroethene in Bexar County. In past years, Uvalde County well YP-69-51-114 has tested positive for tetrachloroethene; however, sample results were undetected for

calendar year 2005. The source of PCE in Uvalde is an industrial dry cleaning operation destroyed by fire in 1979. TCEQ is addressing Uvalde area contamination in the Edwards Aquifer with the responsible party.

Other VOC detections in wells for 2005 were limited to toluene in Bexar County well AY-68-28-515 at a concentration of 1.68 µg/L (the MCL for toluene is 1,000 µg/L). One additional sample point, Hays County well LR-67-09-113, initially tested positive for benzene and toluene at 43.0 µg/L and 27.4 µg/L, respectively. However, this detection was a false positive detection due to laboratory error, which was noted in the analytical report with a case narrative. Furthermore, subsequent sampling at this location did not indicate the presence of any VOC compounds.

In 2005, 25 wells were sampled for SVOCs. Five wells tested positive for traces of SVOC compounds, two of which appear to be false-positive detections. Positive detections of phenol were found at one Bexar County well and one Comal County well. Bexar County well AY-68-28-210 tested positive for phenol at a concentration of 0.41 µg/L, and Comal County well DX-68-23-507 tested positive for phenol at a concentration of 0.79 µg/L. Phenol does not have an MCL; however, the PCL is 7,300 µg/L. The compound n-nitrosodi-n-propylamine was detected in Uvalde County well YP-69-45-1LV at a concentration of 0.95 µg/L. N-nitrosodi-n-propylamine does not have an MCL; however, the PCL is 0.13 µg/L. The Authority will re-sample these wells during calendar year 2006 in an effort to establish continued presence or absence of these compounds at these respective locations.

The remaining two well water SVOC compound detections have been found to be false on the basis of review of analytical quality assurance/quality control data. The compound bis(2-ethylhexyl)phthalate was detected at Bexar County well AY-68-28-513 at a concentration of three µg/L. However, the compound was also detected in the laboratory method blank at 3.85 µg/L and is indicated to be a false-positive detection. Furthermore, this

compound is often problematic as a post-sample-collection contaminant. Phenol, detected at Hays County well LR-67-09-113 at a concentration of 0.33 µg/L was part of a sample batch with known laboratory errors and does not appear to be a definitive detection.

Well water samples collected from 38 wells were analyzed for pesticides, herbicides, and PCB's in 2005. No positive results indicating the presence of these compounds in wells were noted for 2005.

In summary, most compounds detected in calendar year 2005 well samples do not indicate widespread contamination in the aquifer. However, it should be

noted that some detected compounds are confirmed and provide an indicator of the vulnerability of the aquifer to potential contamination. For example, the one detection of PCE in Bexar County at 30.5 µg/L is confirmed and will be monitored in the future to further evaluate potential impacts to the aquifer. In addition, elevated nitrate-nitrite as nitrogen concentrations will be monitored in the future in order to further assess any potential impacts to the aquifer. The other mentioned detections, metals, and SVOCs are of concern but appear to be relatively isolated. The Authority will continue its aquifer-wide well sampling efforts to monitor for potential trends of contaminants.

Figure 13a. Year 2005 Edwards Aquifer Authority Water Quality Sampling Locations—Wells, Springs, and Streams Sampled

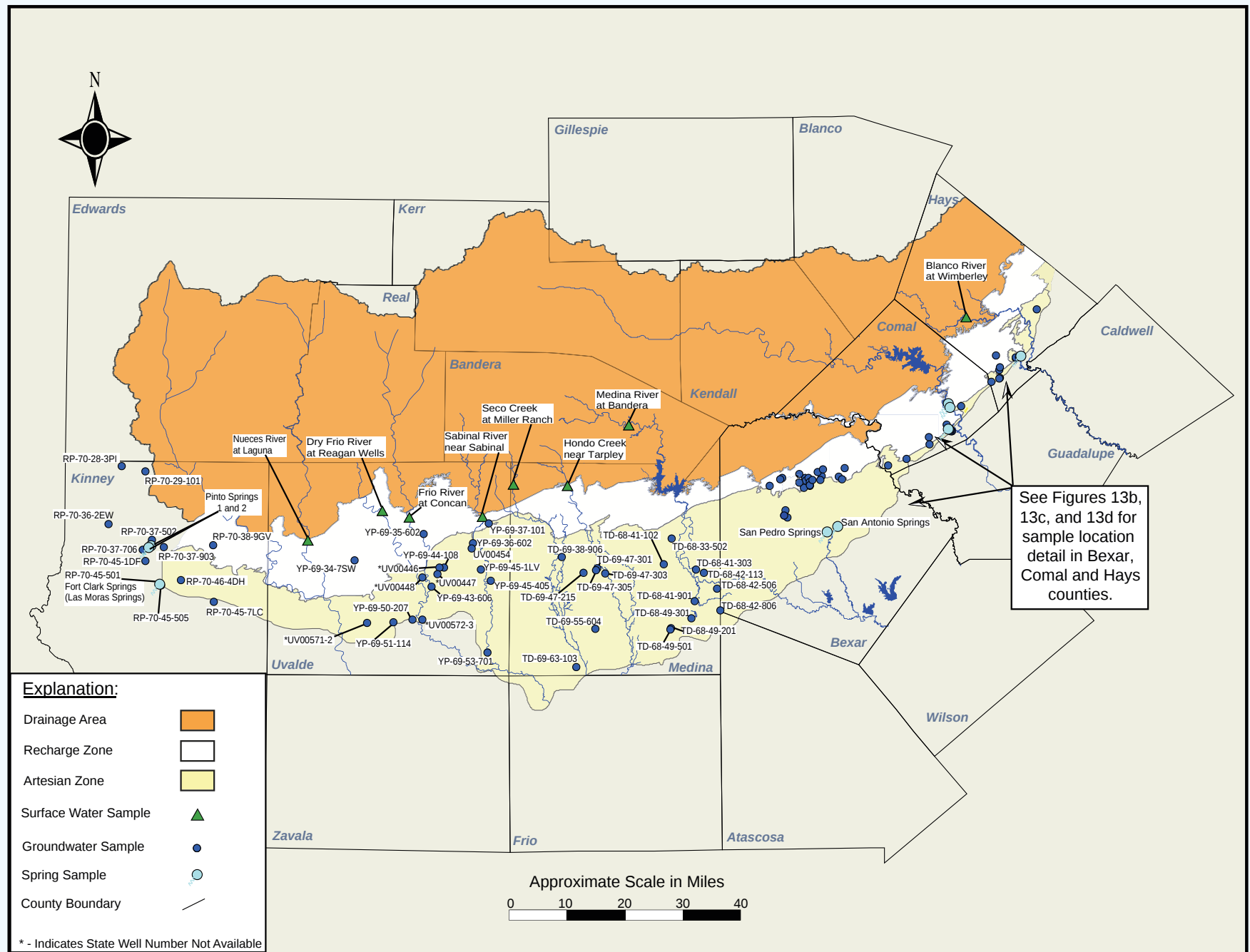


Figure 13b. Year 2005 Edwards Aquifer Authority Water Quality Sampling Locations, Bexar County

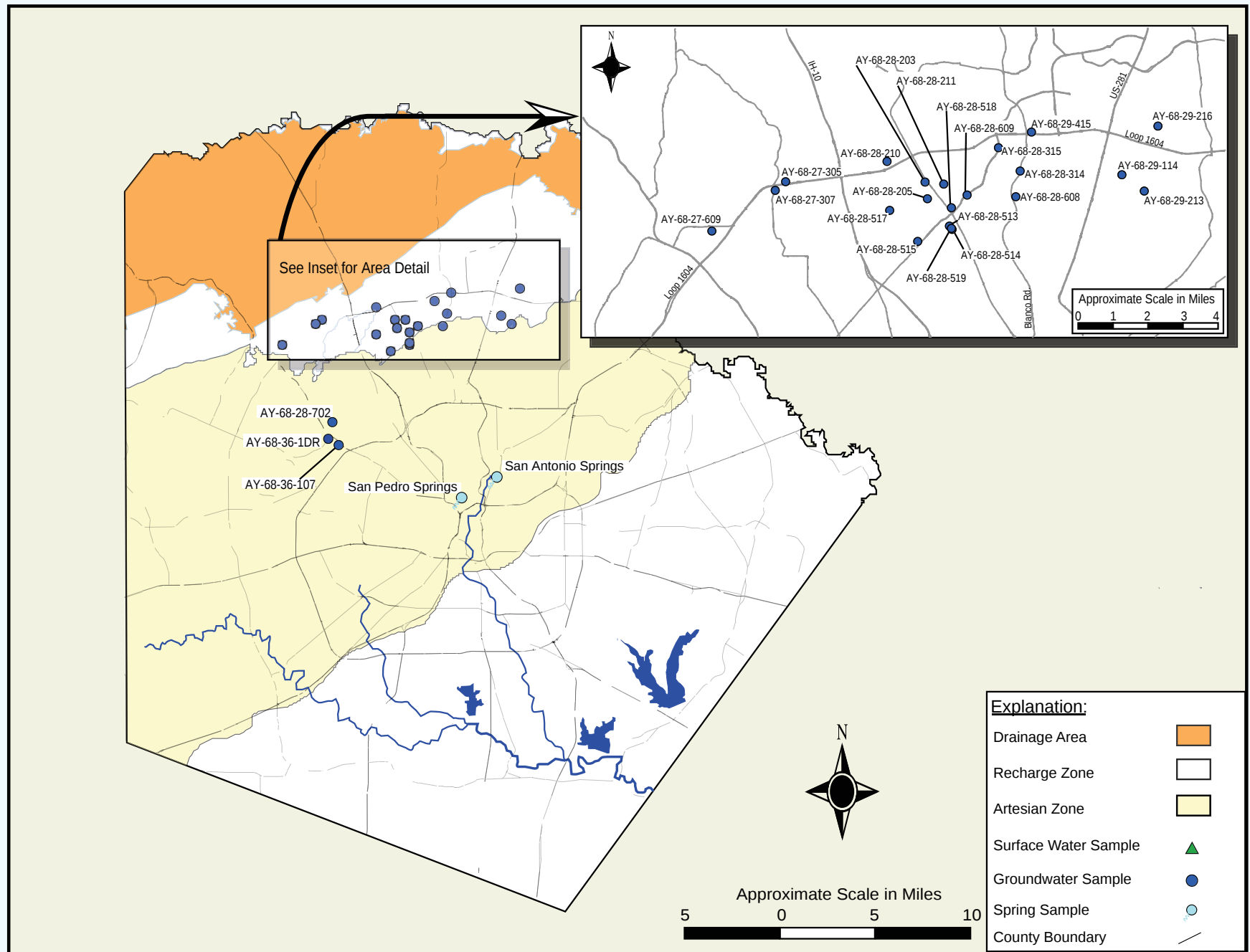


Figure 13c. Year 2005 Edwards Aquifer Authority Water Quality Sample Locations, Comal County

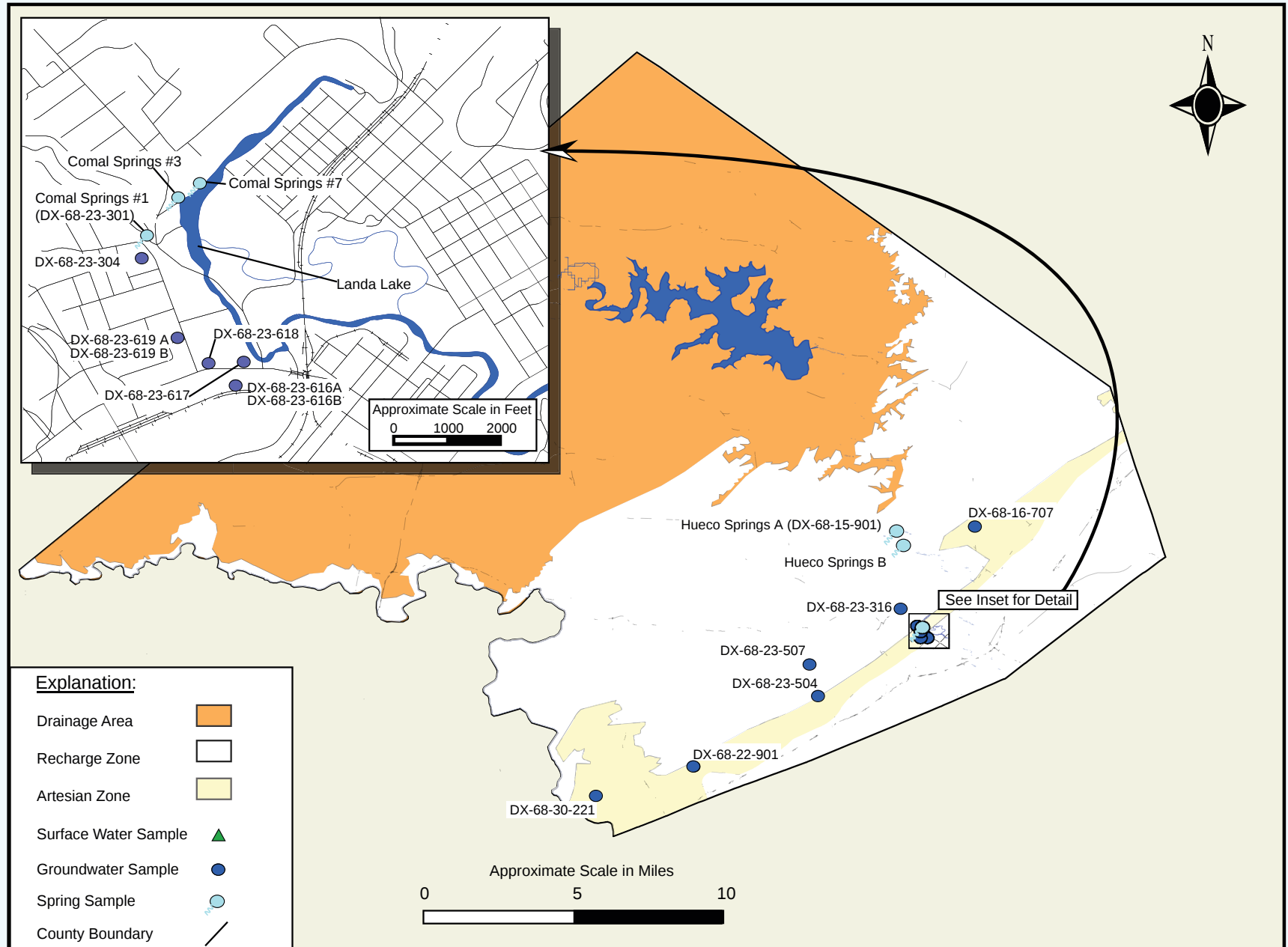


Figure 13d. Year 2005 Edwards Aquifer Authority Water Quality Sampling Locations, Hays County

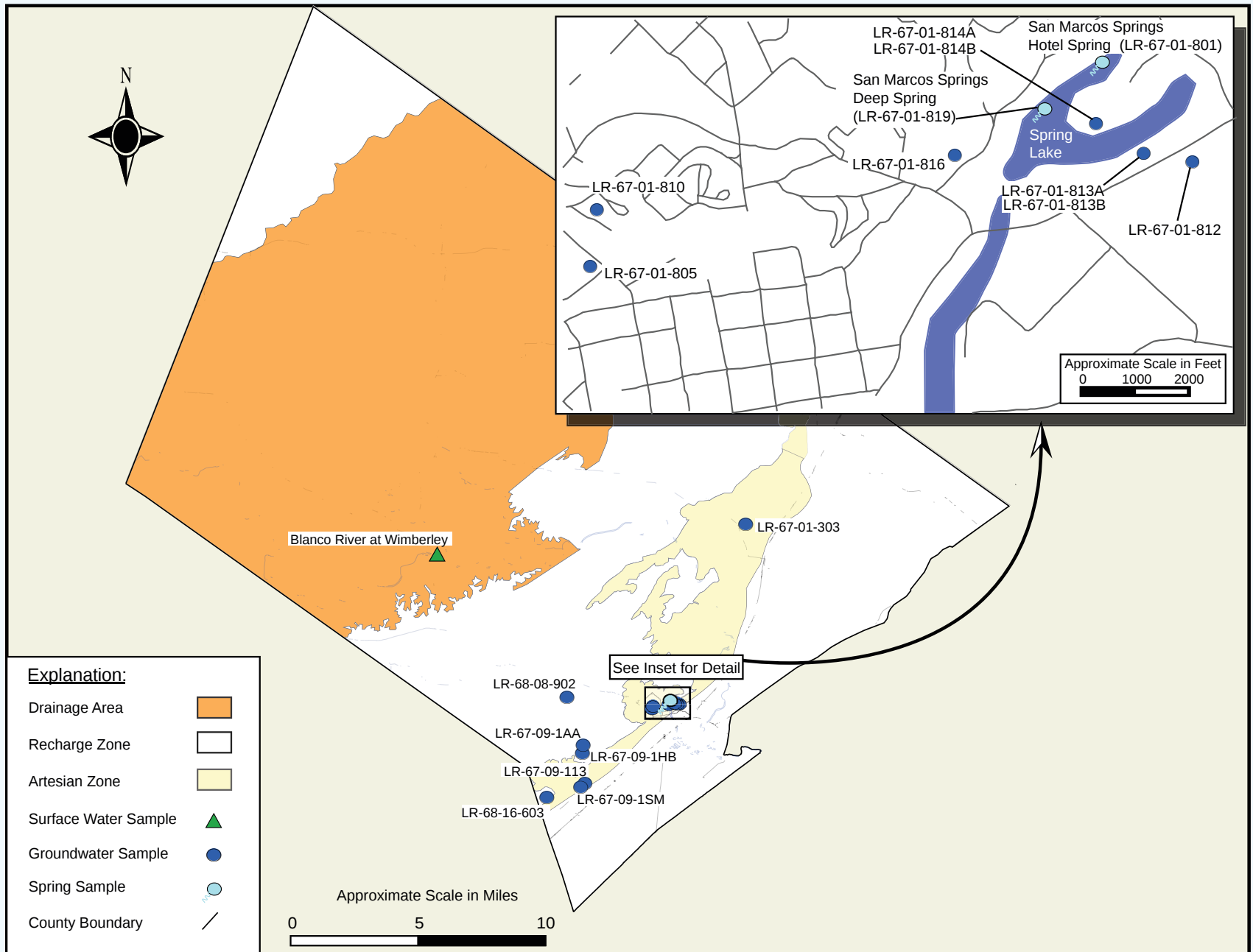


Table 14. Comparison of Drinking Water Quality Standards to Range of Concentrations from Water Quality Results, 2005

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2005	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Field			
Temperature (°C) EPA 170.1	NE	17.50-43.90	20-23
pH measured at 25 °C EPA 150.1	6.5 – 8.5 *	6.21-9.13	6.5-8.0
Turbidity (NTU)	NE	0.01-19.20	0.05-2
Dissolved Oxygen (DO) (mg/L)	NE	0.15-9.40	2-4
Alkalinity total as CaCO ₃ SM 2320 B (mg/L)	NE	83.7-477	200-400
Specific Conductance uS/cm	NE	257-14930	250-850
Bacteria			
Fecal Coliform (colonies / 100 mL)	0 MCLG ¹	<2-3720	0-3
Fecal Strep (colonies / 100 mL)	0 MCLG ¹	<2-834	0-9
Nutrients (mg/L)			
Nitrate-nitrite as N EPA354.1/300.0	10	<0.15-6.73	ND-2.5
Orthophosphate EPA 365.3	NE	<0.15	ND-0.03
Major Ions (mg/L)			
Sulfate (SO ₄) EPA 300.0	250*	<0.50-516	30-60
Solids total dissolved (TDS) EPA 160.1	NE	164-576	200-400
Solids total suspended (TSS) EPA 160.2	NE	<2-82	ND-2
Bromide (Br) EPA 300.0	NE	<0.002-0.337	ND-0.2
Chloride (Cl) EPA 300.0	250*	4.70-97.9	15-50
Fluoride (F) EPA 340.2	4.0	<0.5-13.8	0.02-0.4
Bicarbonate (HCO ₃) SM 2320 B	NE	52.5-477	200-400
Carbonate (CO ₃) SM 2320 B	NE	<2-31.2	0
Metals by EPA 200.7 and 200.8 (µg/L)			
Aluminum	24,000**	<0.22-52.4	ND-40
Antimony	6.0	<0.836-2.32	ND-1
Arsenic	10.0	<0.730-1.47	ND-1
Barium	2,000	19.8-382	10-100
Beryllium	4.0	<0.835	ND-1
Boron	2,200**	51.1-185	ND-60
Cadmium	5.0	<0.654	ND-0.6
Calcium	NE	32.1-332,000	0.05-0.10
Chromium	100.0	<1.17	ND-3
Cobalt	1,500**	<1.02	ND-1
Copper	1,000*	<0.904-12.2	ND-4
Iron	300*	<0.739-1040	ND-6
Lead	15.0	<0.843-28.6	ND-3
Lithium	490**	<2.04-9.02	ND-5
Manganese	50.0*	<0.137-90	ND-4
Molybdenum	120**	<1.02-32.7	ND-10
Nickel	490**	<0.617-1.41	ND-3
Selenium	50.0	<0.989-8.48	ND-30
Strontium	15,000**	75.8-32700	200-500
Thallium	2.0	<0.363-1.88	ND-1
Vanadium	170**	2.26-11.6	ND-4
Zinc	5,000*	0.679-3770	ND-20
Metals by SW-6010B (mg/L)			
Arsenic	0.010	<0.01	ND-0.001
Barium	2.0	0.0363-0.0444	0.010-0.10
Beryllium	0.004	<0.005	ND-0.001
Cadmium	0.005	<0.01	ND-0.0006
Calcium	NE	11-900	0.05-0.10
Chromium	0.1	<0.01	ND-0.003
Copper	1*	0.0042-0.0756	ND-0.004
Iron	0.3*	0.0262-0.0799	ND-0.006
Lead	0.015**	<0.01	ND-0.003
Magnesium	NE	1.45-455	ND-0.004
Manganese	0.05*/1.1**	<0.01	ND-0.004
Nickel	.49**	0.0073-0.0095	ND-0.003
Phosphorus	NE	<1-1.23	ND-0.02
Potassium	NE	<0.166-80.2	5-15
Selenium	0.05	0.016-0.017	ND-0.03
Silicon	NE	5.26-5.95	0.005-0.008
Silver	0.1*	<0.005	ND-0.001
Sodium	NE	1.15-1910	0.005-0.015
Strontium	15**	0.195-0.251	0.2-0.5
Thallium	0.002	<0.00036-0.00188	ND-0.001
Zinc	5.0*	0.0079-0.0134	ND-0.02

Table 14 (cont.)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2005	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Metals by SW-7041 (µg/L)			
Antimony	0.006	<0.006	ND-0.001
Metals by SW-7470A (mg/L)			
Mercury	.002	<1.14-1.72	ND-0.0001
Silica as SiO₂ by E200.8 (mg/L)			
Silica	NE	10.9-63	<1-65
Total Organic Carbon by E415.1 (mg/L)			
TOC	NE	<1.50-4.88	<1-4.9
Herbicides by SW-8141 (µg/L)			
Atrazine	3.0	<2.4	ND
Azinphosmethyl	37**	<0.5	ND
Bolstar (sulprofos)	73**	<0.5	ND
Chlorpyrifos	73**	<0.5	ND
Coumaphos	170**	<0.3	ND
Demeton	1.0**	<0.5	ND
Diazinon	22**	<0.5	ND
Dichlorvos	3.0**	<0.4	ND
Dimethoate	5.0**	<0.4	ND
Disulfoton	1.0**	<0.4	ND
EPN	0.24**	<0.4	ND
Ethoprop	2.4**	<0.7	ND
Fensulfothion	24**	<0.7	ND
Fenthion	2.0**	<0.3	ND
Malathion	490**	<0.5	ND
Merphos	1.0**	<0.3	ND
Methyl parathion	6.0**	<0.5	ND
Monocrotophos	15**	<0.7	ND
Naled	50**	<0.75	ND
Parathion	150**	<0.5	ND
Phorate	5.0**	<0.4	ND
Ronnel	1,200**	<0.4	ND
Simazine	4.0	<0.3	ND
Stirophos (tetrachlorvinphos)	1,030**	<0.4	ND
Sulfotepp (tetraethyl dithiopyrophosphate)	12**	<0.4	ND
Tokuthion (Prothiofos)	2.0**	<0.4	ND
Trichloronate	73**	<0.4	ND
Herbicides by SW-8151 (µg/L)			
2,4,5-T	NE	<50	ND
2,4,5-TP (silvex)	50.0	<50-<100	ND
2,4-D	70.0	<100	ND
Bentazon	NE	<100	ND
Dinoseb	7.0	<100	ND
Pentachlorophenol	1.0	<1.29	ND
Picloram	500	<0.1	ND
Pesticides by SW-8081 (µg/L)			
4, 4'-DDD	4.0**	<0.02	ND
4, 4'-DDE	3.0**	<0.007	ND
4, 4'-DDT	3.0**	<0.022	ND
Alachlor	2.0	<0.1	ND
Aldrin	0.05**	<0.016	ND
Alpha-bhc (alpha-hexachlorocyclohexane)	0.1**	<0.035	ND
Alpha-chlordane	3.0**	<0.016	ND
Beta-bhc (beta-hexachlorocyclohexane)	0.5**	<0.013	ND
Delta-bhc (delta-hexachlorocyclohexane)	0.5**	<0.011	ND
Dieldrin	0.1**	<0.024	ND
Endosulfan I	50**	<0.011	ND
Endosulfan II	150**	<0.015	ND
Endosulfan sulfate	150**	<0.018	ND
Endrin	2.0**	<0.02	ND
Endrin aldehyde	7.0**	<0.084	ND
Endrin ketone	7.0**	<0.129	ND
Gamma-bhc (lindane)	0.2	<0.012	ND
Heptachlor	0.4	<0.01	ND

Table 15 (cont.)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2005	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Heptachlor epoxide	0.2	<0.015	ND
Methoxychlor	40.0	<0.008	ND
Mirex	5.0	<0.03	ND
Toxaphene	3.0	<0.077	ND
PCBs by SW-8082 (µg/L)			
PCBs, total	0.5	<7.00	
Aroclor 1016	0.5	<1.00	ND
Aroclor 1221	0.5	<1.00	ND
Aroclor 1232	0.5	<1.00	ND
Aroclor 1242	0.5	<1.00	ND
Aroclor 1248	0.5	<1.00	ND
Aroclor 1254	0.5	<1.00	ND
Aroclor 1260	0.5	<1.00	ND
SVOCs by SW-8270C (µg/L)			
2, 4, 5-trichlorophenol	2,400**	<1.42	ND
2, 4, 6-trichlorophenol	83**	<1.16	ND
2, 4-dichlorophenol	73**	<0.98	ND
2, 4-dimethylphenol	490**	<0.37	ND
2, 4-dinitrophenol	49**	<0.12	ND
2, 6-dichlorophenol	24**	<0.91	ND
2-chlorophenol	120**	<0.74	ND
2-methyl-4 6-dinitrophenol	49**	<1.21	ND
2-methylnaphthalene	98**	<1.01	ND
2-methylphenol (o-cresol)	1,200**	<1.04	ND
2-nitroaniline	7.0**	<0.77	ND
2-nitrophenol	49**	<1.13	ND
3 & 4 methylphenol (m&p cresol)	1,200**	<0.98	ND
3-nitroaniline	7.0**	<1.11	ND
4, 6-dinitro-2-methylphenol	50**	<1.21	ND
4-chloro-3-methylphenol	120**	<0.73	ND
4-nitroaniline	12**	<1.21	ND
4-nitrophenol	49**	<0.2	ND
Naphthalene	490**	<3.96	ND
Nitrobenzene	12**	<0.65	ND
Pentachlorobenzene	20**	<1.05	ND
Pentachlorophenol	1.0	<1.29	ND
Phenanthrene	730**	<0.96	ND
Phenol	7,300**	<0.27-0.79	ND
Pyrene	730**	<2.28	ND
Pyridine	NE	<0.51	ND
M-nitroaniline	NE	<0.77	ND
N-nitrosodi-n-propylamine	0.13**	<0.68	ND
N-nitrosodiethylamine	NE	<2	ND
N-nitrosodimethylamine	NE	<7.47	ND
N-nitrosodiphenylamine	190**	<1.85	ND
Acenaphthene	1,500**	<0.99	ND
Acenaphthylene	1,500**	<1.11	ND
Aniline	160**	<0.44	ND
Anthracene	7,300**	<1.01	ND
Azobenzene	8	<0.73	ND
Benzidine	NE	<0.25	ND
Benzo(a)anthracene (1 2-benzanthracene)	1.3**	<1.03	ND
Benzo(b)fluoranthene	1.3**	<1.54	ND
Benzo(k)fluoranthene	13**	<1.05	ND
Benzo(ghi)perylene	730**	<1.12	ND
Benzo(a)pyrene	0.2	<1.01	ND
Benzoic Acid	98,000**	<1-12.0	ND
Benzyl Alcohol	7,300	<0.54	ND
Butyl benzyl phthalate	4,900**	<2.08	ND
Bis(2-chloroethoxy)methane	0.83**	<0.86	ND
Bis(2-chloroethyl)ether	0.83**	<0.72	ND
Bis(2-chloroisopropyl)ether	13.0**	<1.66	ND
Bis(2-ethylhexyl)adipate	NE	<2.77-4.44	ND
Bis(2-ethylhexyl)phthalate	6.0	<1.77	ND
4-bromophenyl phenyl ether	0.061**	<0.95	ND
4-chloroaniline	NE	<0.75	ND
2-chloronaphthalene	2,000**	<1.2	ND
4-chlorophenyl phenyl ether	0.061**	<1.06	ND

Table 14 (cont.)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2005	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Chrysene	130**	<1.01	ND
Cresols, total	1200**	<2.02	ND
Dibenz(ah)anthracene	0.2**	<1.2	ND
Dibenz(a,j)acridine	1.3**	<5	ND
Dibenzofuran	98**	<0.99	ND
3 3-dichlorobenzidine	2**	<2.59	ND
Diethyl phthalate	20,000**	<1.1	ND
Dimethyl phthalate	20,000**	<0.86	ND
Di-n-butyl phthalate	2,400**	<1.07	ND
Di-n-octyl phthalate	490**	<2.58	ND
2 4-dinitrotoluene	1.3**	<1.11	ND
2 6-dinitrotoluene	1.3**	<1.19	ND
Fluoranthene	980**	<0.95	ND
Fluorene	980**	<1.15	ND
Hexachlorobenzene	1**	<1.01	ND
Hexachlorobutadiene	5.0**	<1.25	ND
Hexachlorocyclopentadiene	50	<0.81	ND
Hexachloroethane	7.0**	<1.03	ND
Indeno(1,2,3-cd)pyrene	1.3**	<1.12	ND
Isophorone	960**	<0.8	ND
VOCs SW-8260b (µg/L)			
1, 1, 1, 2-tetrachloroethane	35.0**	<1.42	ND
1, 1, 1-trichloroethane	200.0	<0.629-1.26	ND
1, 1, 2, 2-tetrachloroethane	5.0**	<1.42	ND
1, 1, 2-trichloroethane	5.0	<0.799	ND
1, 1-dichloroethane	2,400**	<1.45	ND
1, 1-dichloropropene	9.0**	<1.23	ND
1, 1-dichloroethene (vinylidene chloride)	7.0	<0.875	ND
1, 2, 3-trichlorobenzene	73**	<3.69	ND
1, 2, 3-trichloropropane	1.3**	<2.8	ND
1, 2, 4, 5-tetrachlorobenzene	7.0**	<10	ND
1, 2, 4-trichlorobenzene	70.0	<0.9	ND
1, 2, 4-trimethylbenzene	1,200**	<1.5-2.59	ND
1, 2-dibromo-3-chloropropane	0.2	<0.214	ND
1, 2-dibromoethane (EDB)	NE	<0.425	ND
1, 2-dichlorobenzene	600**	<1.24	ND
1, 2-dichloroethane (EDC)	5.0	<0.666	ND
1, 2-dichloropropane	5.0	<1.22	ND
1, 3, 5-trimethylbenzene	1,200**	<1.38	ND
1, 3-dichlorobenzene	730**	<1.20	ND
1, 3-dichloropropane	5.0**	<0.650	ND
1, 3-dichloropropene	9.0**	<5.00	ND
1, 4-dichlorobenzene	75**	<1.09	ND
2, 2-dichloropropane	13	<1.28	ND
2-chloroethyl vinyl ether	1.0**	<8.65	ND
2-chlorotoluene	490**	<1.58	ND
2-hexanone	1,500**	<9.60	ND
4-chlorotoluene	490**	<1.90	ND
4-isopropyltoluene	2,400**	<1.29	ND
4-methyl-2-pentanone (MIBK)	1,950**	<12.60	ND
Acetone	22,000**	<4.97	ND
Acetonitrile	780**	<5	ND
Acrolein	12**	<5	ND
Acrylonitrile	2.0**	<5	ND
Allyl Alcohol	120**	<5	ND
Benzene	5.0	<1.41	ND
Benzyl Chloride	5.0**	<5.0	ND
Bromoacetone	NE	<5.0	ND
Bromobenzene	490**	<1.27	ND
Bromochloromethane (chlorobromomethane)	980**	<1.43	ND
Bromodichloromethane	15**	<1.50	ND
Bromoform (tribromomethane)	120**	<1.59	ND
Bromomethane (methyl bromide)	34**	<2.70	ND
Carbon disulfide	2,400**	<1.0	ND
Carbon tetrachloride	5.0	<0.908	ND
Chloral Hydrate	2,400**	<5.0	ND
Chlorobenzene	100.0	<1.56	ND
Chloroethane (ethyl chloride)	9,800**	<1.86	ND
Chloroform	240**	<1.60	ND
Chloromethane (methyl chloride)	70**	<2.24	ND
Cis-1 2-dichloroethene	70.0	<1.68	ND
Cis-1 3-dichloropropene	2.0**	<1.38	ND

Table 14 (cont.)

Parameter and Method	Maximum Contaminant Levels or Secondary Standards	Range of Concentrations Detected in 2005	Typical Range of Concentrations for the Freshwater Edwards Aquifer
Dibromochloromethane	11**	<1.44	ND
Dibromomethane	NE	<0.568	ND
Dichlorodifluoromethane	4,900**	<0.697	ND
Ethylbenzene	700**	<1.24	ND
Hexachlorobutadiene	5.0**	<1.25	ND
Iodomethane	34**	<2.40	ND
Isopropylbenzene (cumene)	700 / 2,400**	<1.10	ND
Methyl ethyl ketone (2-butanone)	15,000**	<9.82	ND
Methylene chloride (dichloromethane)	5**	<1.75	ND
n-Butanol	2,400**	<5.00	ND
n-Butylbenzene	980**	<2.23	ND
n-Propylbenzene	980**	<1.22	ND
Sec-Butylbenzene	980**	<1.39	ND
Styrene	100.0	<1.37	ND
Tert-Butylbenzene	980**	<1.28	ND
Tert-butyl methyl ether (mtbe)	240**	<0.50	ND
Tetrachloroethene	5.0	<1.35-30.5	ND
Toluene	1,000	<1.18-1.68	ND
Trans-1, 2-dichloroethene	100	<1.69	ND
Trans-1, 3-dichloropropene	9.0**	<1.21	ND
Trichloroethene	5.0	<1.3	ND
Trichlorofluoromethane	7,300**	<0.471	ND
Vinyl Acetate	24,440**	<28.3	ND
Vinyl chloride (chloroethene)	2.0	<0.127	ND
m-p-xylene	10,000**	<2.88-3.79	ND
o-xylene	10,000**	<1.28-1.68	ND

Data source: TCEQ, maximum contaminant levels, 30 TAC, Chapter 290, Subchapter F, 2005 and RG-346 Rev. 2/2004 (www.sos.state.tx.us).

NE = No established MCL, secondary standard, or PCL.

* = Secondary drinking water standards (30 TAC, 290, Subchapter F).

** = Texas Risk Reduction Program (TRRP) rules, Tier 1, residential PCLs, 30 TAC Chapter 350, updated March 2005.

(see: <http://www.tnrcc.state.tx.us/permitting/trrp.htm>)

1 = MCLG-Maximum Contaminant Level Goal

ND = Not detectable

NA = Not analyzed

< = Detection limit, not necessarily concentration of compound in water.

Notes: MCL = maximum contaminant level

mg/L = milligram per liter (often referred to as parts per million)

µg/L = microgram per liter (often referred to as parts per billion)

PCL = Protective concentration limit, under 30 TAC, Chapter 350, Tier 1 values

Reader encouraged to check 30 TAC, Chapter 290, and Chapter 350 Tier 1 PCL value updates.

(J) – for organic analyses indicates analyte detected below the laboratory reporting limit.

(B) – for metals analyses indicates analyte detected below the laboratory reporting limit.

Table 15. Secondary Drinking Water Standards

Parameter	Secondary Drinking Water Standard (mg/L)
Aluminum	0.05-0.2
Chloride	250
Color*	15 color units
Copper	1.0
Corrosivity*	Non-corrosive
Fluoride	2.0
Iron	0.3
Manganese	0.05
pH	6.5-8.5
Silver	0.10
Sulfate	250
Total Dissolved Solids (TDS)	500
Zinc	5

Data source: 30 TAC Chapter 290, Subchapter F.

* = Color and corrosivity parameters not included in 2005 analytical program.

Freshwater/Saline-Water Interface Studies

The freshwater/saline-water interface of the Edwards Aquifer, a regional boundary between fresh and saline parts of the aquifer, is defined by a mapped iso-concentration line representing 1,000 mg/L of total dissolved solids (TDS). Groundwater is commonly classified according to TDS concentrations, as shown below in Table 16.

Table 16. Classification of Groundwater Quality Based on Total Dissolved Solids

Description	TDS Concentration (mg/L)
Fresh	Less than 1,000
Slightly saline	1,000 to 3,000
Moderately saline	3,000 to 10,000
Very saline	10,000 to 35,000
Brine	More than 35,000

Source: Winslow and Kister, 1956.

The interface varies both laterally and vertically in parts of the aquifer. Locally this line is referred to as the freshwater/saline-water interface, or “bad-wa-

ter line,” which defines the farthest downdip extent of potable water (Pavilicek and others, 1987). The approximate location of the freshwater/saline-water interface is shown in Figures 1 and 13a. Water quality concerns related to position and stability of the freshwater/saline-water interface have been expressed by some researchers. The limited water quality data collected during and since the drought of record in the 1950s are inconclusive as to whether encroachment of saline water is likely during a recurrence of extreme drought conditions. However, encroachment of saline water has not been identified as a problem in the region when aquifer conditions are above the lowest levels recorded in the aquifer.

South and southeast of the interface, water from the aquifer is slightly to moderately saline and contains moderate to large concentrations of dissolved chloride and sulfate. The interface varies both laterally and vertically, as determined in several wells near the boundary. Water from some wells north of the interface, and from all wells south of the interface, contains dissolved hydrogen sulfide gas. In most wells along the interface, freshwater has been encountered in the upper part and saline water in the lower part of the Edwards Aquifer (Reeves, 1971; Groschen, 1993). Other wells along the interface

have encountered the opposite vertical distribution, with saline-water zones overlying freshwater zones, particularly in southern Medina County.

In 1985, the former Edwards Underground Water District (EUWD), in cooperation with the USGS, TWDB, and San Antonio Water System (SAWS), initiated a research study of the freshwater/saline-water interface. A series of seven wells were drilled in the San Antonio area, which transects the freshwater/saline-water interface, to detect changes in water quality as the hydraulic head in the aquifer changes. This program was implemented in response to the concern that increased aquifer withdrawals might result in encroachment of saline water into the aquifer's freshwater zone. As part of the Authority's on-going water quality program, periodic samples are collected and analyzed. Other samples are collected when certain spring discharge criteria are met.

The possibility of saline-water encroachment and subsequent deterioration of water quality in the aquifer led to construction of additional water quality monitor well transects across the freshwater/saline-water interface. Two monitor wells were drilled and tested by the Authority with the cooperation of local entities. These transects are located in New Braunfels and San Marcos areas (Poteet and others, 1992). Water quality in these transect wells has been relatively uniform, with no significant changes since the program began. Since 1997, SAWS, working with the USGS, TWDB, and the Authority, has continued to install transects of freshwater/saline-water interface monitoring wells. These transects include:

- Kyle Transect (installed in 1998)
- East Uvalde "Knippa Gap" Transect (installed in 1999)
- "Tri-County" (Bexar-Comal-Guadalupe) Transect (installed in 2000)
- Hays – Fish Hatchery Transect (installed in 2001)
- Mission Road Transect (installed in 2002)
- Pitluk Transect (Bexar County) Installation of Wells in Progress (2004–2005).

Studies conducted to date indicate that changes in aquifer water levels have little effect on water quality in wells that are directly adjacent to the freshwater/saline-water interface. The Authority, USGS, and SAWS will continue to monitor water quality in the freshwater/saline-water interface monitoring wells.

Water Quality Data from Streams and Springs in the Edwards Aquifer Area

Surface water quality data are collected within the drainage area of the aquifer (see Figure 13a) at USGS gauging stations located upstream of the Edwards Aquifer Recharge Zone. The surface water data collection sites are located within eight major stream basins that flow across the recharge zone and contribute significant groundwater recharge to the Edwards Aquifer. The streams monitored, from west to east, are the Nueces River, Dry Frio River, Frio River, Sabinal River, Seco Creek, Hondo Creek, Medina River, and Blanco River. In 2005, surface water samples were collected twice from each of the above-listed rivers and creeks. Data from these sites can be used as a baseline to evaluate the quality of water recharging the aquifer and sensitivity of water quality to land use changes in various areas of the Edwards Aquifer region.

Water quality data are also routinely collected from five major spring groups discharging from the aquifer because they provide composite samples of the vast underground drainage network that makes up the aquifer. Multiple spring orifices were sampled at Comal, Hueco, and San Marcos springs, whereas single spring orifices were sampled at San Antonio and San Pedro springs. In 2005, spring water samples were also collected from two locations at Pinto Springs and a single location at Las Moras (Fort Clark) Springs, all in Kinney County. Pinto Springs samples were analyzed by the Authority's contract laboratory, whereas Las Moras Springs samples were analyzed by the TWDB. With the exception of

Pinto and Las Moras springs, each spring group was sampled four times during calendar year 2005. These two Kinney County spring groups were sampled only once during the year.

Summary of Analytical Results — Water samples from the eight stream locations and seven spring groups discussed previously were analyzed for the following metals: aluminum, antimony, arsenic, barium, beryllium, boron, bromide, cadmium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, thallium, vanadium, and zinc. Detectable metal concentrations in surface water are common at trace amounts. Surface and spring water sample analytical results for metals for calendar year 2005 do not indicate the presence of any analyzed metals, with parameters at a concentration in excess of an MCL or PCL value.

Laboratory analyses indicated trace amounts of nitrate-nitrite as nitrogen in surface water and slightly higher concentrations in spring water samples. Of the 16 total surface water samples collected in 2005, nitrate-nitrite as nitrogen concentrations ranged from <0.15 to 1.06 mg/L. Of the 33 spring water samples collected in 2005, nitrate-nitrite as nitrogen concentrations ranged between <0.15 and 1.90 mg/L. None of the nitrate concentrations detected exceeds the MCL of ten mg/L (nitrate as nitrogen) for drinking water.

Stream samples were not tested for SVOCs or VOCs. Stream water samples are not tested for VOCs because of the inherent volatility of VOCs, making their presence in surface waters rare. Stream samples were tested for organic compounds related to herbicides and pesticides in 2005, with no positive results noted for these compounds.

Water samples from Pinto, San Pedro, San Antonio, Comal, Hueco, and San Marcos springs were analyzed for VOCs in 2005. Five different VOC analytes were detected at San Marcos Springs, Hotel Spring

(LR-67-01-801). The remaining spring groups tested negative for VOC analytes. For San Marcos, Hotel Spring, VOCs were detected in March and November of 2005. VOC concentrations from the November sampling event were well above the MCL for the detected compounds.

VOC detections at San Marcos Springs, Hotel Spring (LR-67-01-801):

March 2005

- 1,2,4-Trimethylbenzene at: 2.59 µg/L
(No MCL or PCL established)
- m,p-Xylene at: 3.79 µg/L
(No MCL or PCL established)
- o-Xylene at: 1.68 µg/L
(No MCL or PCL established)

November 2005

- 1,2-Dichloroethane at: 13.4 µg/L
(MCL = 5.0 µg/L)
- 1,2 Dichloropropane at: 69.8 µg/L
(MCL = 5.0 µg/L)

Detections of non-naturally occurring compounds in a karst system such as the Edwards Aquifer are problematic. Contaminants may pass through the system quickly. As such, sample collection events that occur once every several months may not coincide with the flux of a contaminant at the sample point. In addition, when a contaminant is detected, without a continuous type sample, it is impossible to ascertain whether the sample result reflects the low, middle, or high end of the contaminant flux. This process, proven with tracer studies in karst systems, helps to explain why a contaminant may be detected once but is often not detected again during the next sampling event, when the subsequent event is performed several weeks or months later. The VOC detections at San Marcos Springs provide a good example of this characteristic, where contaminants are detected intermittently or results are not reproduced between sampling events.

The five major spring groups and one of the Pinto Springs samples were analyzed for SVOCs in 2005; however, Fort Clark Springs was not. The two samples not analyzed for SVOCs were TWDB samples that do not include this analysis. Two SVOC analytes were detected in the spring water, bis(2-ethylhexyl)adipate and benzoic acid. These SVOCs were detected at San Marcos Springs, Hotel Spring, and at San Pedro Springs, respectively. Remaining spring-sample analyses did not indicate the presence of any SVOC compounds. Detected compounds are summarized below.

San Marcos Springs Hotel Spring (LR-67-01-801):

- Bis(2-ethylhexyl)adipate at: 4.44 µg/L
(No MCL or PCL established).

San Pedro Springs:

- Benzoic acid at: 12.0 µg/L
(No MCL or PCL established).

Phthalates are common post-sample-collection contaminants. Bis(2-ethylhexyl)adipate is a common ingredient in plastic and could be a post-sample collection contaminant. However, because of its widespread use, it is possible that this compound may have been present at the time of sample collection. Benzoic acid is similar, in that it is in widespread use and could be a post-sample collection contaminant. The Authority will continue monitoring for the presence of contaminants at these spring sites in order to determine whether any trends develop related to contaminants.

Surface water samples and spring water samples from the five major spring groups, as well as Pinto Springs, were tested for herbicides, pesticides, and PCBs in 2005. Results for all surface and spring water samples in this category were negative for calendar year 2005.

SUMMARY

This report presents the results of the Authority's Edwards Aquifer Data Collection Program for calendar year 2005. During 2005, the Authority collected a wide variety of data regarding the Edwards Aquifer, including:

- Groundwater level data
- Precipitation measurement data
- Groundwater recharge data
- Groundwater discharge and -usage data
- Water quality data from groundwater, surface water, and springs

Groundwater Level Data

Water levels remained above the historical mean value at the Bexar County (J-17) index well throughout 2005. Other wells in the region exhibited similar behavior. In 2005 aquifer (groundwater) levels remained above historical mean values but generally decreased for most of the year.

Precipitation Measurement Data

Precipitation in the Edwards Aquifer region was below mean in 2005, with rainfall amounts ranging from approximately 0.5 inch below mean in Hondo, to 13.89 inches below mean in San Antonio. However, according to the calibrated NEXRAD radar data for 2005, rainfall in the drainage area (the northernmost counties in the region) was higher than that recorded within the recharge and artesian zones of the aquifer.

Groundwater Recharge Data

Total recharge to the Edwards Aquifer was 764,000 acre-feet in 2005, approximately 30 percent above the median of 585,700 acre-feet for the period of record (1934–2005). The lowest annual recharge to the aquifer was 43,700 acre-feet in 1956, and the highest annual recharge to the aquifer was 2,486,000 acre-feet in 1992. Compared with the period of record, recharge in 2005 was above the (1934–2005) median value for all eight basins for which USGS estimates that recharge is contributed to the Edwards Aquifer.

Groundwater Discharge and Usage Data

In calendar year 2005, groundwater discharge from the Edwards Aquifer through wells and springs totaled 1,035,700 acre-feet. This amount is approximately 52 percent above the median of 681,500 acre-feet for the period of record (1934–2004). The lowest total annual discharge through wells and springs was 388,800 acre-feet in 1955, and the highest annual discharge was 1,130,000 acre-feet in 1992.

Discharge from wells in 2005 was estimated to be 388,527 acre-feet, within approximately one percent of the 382,800 acre-foot ten-year median (1996–2005). The lowest annual discharge from wells for the period of record (1934–2004) was 101,900 acre-feet in 1934, and the highest was 542,400 acre-feet in 1989.

Discharge from springs in 2005 was estimated to be 647,146 acre-feet, approximately 32 percent more than the ten-year mean of 488,500 acre-feet. The lowest annual discharge from springs for the period of record (1934–2005) was 69,800 acre-feet in 1956, and the highest was 802,800 acre-feet in 1992. For the period of record, 2005 experienced the second-highest annual discharge from springs, exceeded only by the 1992 discharge value. Spring discharge for years 2005, 2004, 2003, and 2002 represents the second-, third-, fourth-, and fifth-highest discharge amounts for the period of record.

Water Quality Data from Groundwater, Surface Water, and Springs

In 2005, the Authority collected water quality samples from 97 wells, eight streams, and seven spring groups. In 2005, wells were generally sampled once, streams were generally sampled twice, and spring groups were generally sampled four times (Pinto and Fort Clark Springs were sampled only once). Not all parameter groups were analyzed during each sampling event. Water samples from most sampling events were analyzed for major ions, metals, TDS, hardness, and nutrients. Water samples from 45 wells and six spring groups were also analyzed for VOCs. Water samples

from 25 wells and six spring groups were also analyzed for SVOCs. Water samples collected from 38 wells, eight stream locations, and six spring groups were also analyzed for pesticides and herbicides.

Concentrations of major ions are relatively uniform throughout the freshwater parts of the Edwards Aquifer, which consistently yield very hard, calcium bicarbonate water, with low TDS and few detectable metals. The saline-water part of the aquifer (saline zone) contains water with more than 1,000 mg/L of TDS, which is largely made up of major anions and cations. In addition, samples from the saline zone commonly contain detectable levels of regulated metals, such as antimony, strontium, and thallium, at concentrations less than their MCLs. Like groundwater from the freshwater part of the aquifer, water from streams and springs also contains low concentrations of TDS and few detectable metals.

For well water samples collected in 2005, lead was detected at one location at 28.6 µg/L, well above the 15.0 µg/L MCL. Other metals detected include strontium, iron, and manganese at concentrations above their respective PCLs, or secondary standards. Surface and spring water sample analyses did not indicate the presence of any analyzed metals above their respective standards.

For samples collected in 2005, nitrate-nitrite as nitrogen concentrations ranged from below the laboratory reporting limit of 0.015 mg/L to 7.34 mg/L in samples from wells, streams, and springs in the Edwards Aquifer region. Well water samples showed the greatest variation, ranging from below the laboratory reporting limit to 7.34 mg/L. Surface water samples ranged from below the reporting limit to 1.06 mg/L, whereas spring water samples ranged from below the reporting limit to 1.90 mg/L (nitrate as nitrogen). None of the samples collected exceeded the MCL of ten mg/L of nitrate as nitrogen.

In 2005, 45 wells and six spring groups were analyzed for VOCs. One VOC was detected at or above its associated MCL in the 45 wells sampled. The compound tetrachloroethene (PCE) was detected at 30.5 µg/L in Bexar County well AY-68-36-1DR. The MCL for PCE is five µg/L. One additional VOC was detected in a well sample below the MCL in Bexar County.

Several VOC compounds were detected in San Marcos Springs during the March and November sample events.

In 2005, 25 wells and six spring groups were sampled for SVOC's. The compounds phenol and n-nitrosodi-n-propylamine were detected in well samples, whereas the compounds bis(2-ethylhexyl)adipate and benzoic acid were detected in spring water samples.

In 2005, samples from 38 wells and six spring groups were analyzed for herbicides, pesticides, and PCB's. No sample tested positive for these compounds.

Edwards Aquifer water is generally of such high quality that it normally requires only chlorination to meet public drinking water standards. However, the detection of nitrates and organic compounds, as well as trace quantities of metals, in the aquifer is a concern, and the Authority will continue to monitor for these compounds to determine possible sources and trends. Nitrate as nitrogen was detected frequently in all sample types; however, well samples had the highest concentrations, with 31 of 95 wells sampled testing positive for nitrate-nitrite at 2.0 mg/L or higher. Five of the 95 wells had nitrate-nitrite concentrations above 5.0 mg/L; the MCL for nitrate-nitrite is 10 mg/L. Quantification of many compounds can be problematic at concentrations below the laboratory reporting limit, which sometimes occurs with samples collected from the Edwards Aquifer. Whereas this number differs for various compounds, it is the lower limit for which the laboratory can confidently quantify the concentration of a compound or substance, and it generally ranges from less than 1 milligram per liter to less than 1 microgram per liter in concentration. For samples collected in 2005, few compounds were detected in this range.

Confirmed detections of VOCs, such as PCE from a Bexar County well and 1,2,4-trimethylbenzene, xylene, and 1,2-dichloroethane at the San Marcos Springs, are a concern and warrant continued monitoring in the future. The Authority's aquiferwide water-quality sampling program will continue to monitor wells, streams, and springs for indications of water-quality impacts throughout the region.

DEFINITIONS

Technical terms and abbreviations used in this report are defined as follows:

acre-foot	Quantity of water required to cover one acre to a depth of one foot, equivalent to 43,560 ft ³ (cubic feet), about 325,851 gal (gallons), or 1,233 m ³ (cubic meters).
aquifer	A body of rock that contains sufficiently saturated permeable material to conduct groundwater and to yield economically significant quantities of groundwater to wells and springs.
artesian well	A well tapping confined groundwater. Water in the well rises above the level of the confined water-bearing strata under artesian pressure but does not necessarily reach the land surface.
artesian zone	An area where the water level from a confined aquifer stands above the top of the strata in which the aquifer is located.
average	A number representing the sum of a group of added figures divided by the number of figures.
bacteria	Microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike, often clumped in colonies. Some bacteria are pathogenic (causing disease), whereas others perform an essential role in nature in the recycling of materials (measured in colonies/100 mL).
conductivity	A measure of the ease with which an electrical current can be caused to flow through an aqueous solution under the influence of an applied electric field. Expressed as the algebraic reciprocal of electrical resistance (measured in microSiemens per centimeter (μS/cm) at ambient temperature). Generally, in water, the greater the total dissolved solids content, the greater the value of conductivity. See also specific conductance.
confined aquifer	An artesian aquifer or an aquifer bound above and below by impermeable strata or by strata with lower permeability than the aquifer itself.
discharge	Volume of water that passes a given point within a given period of time.
drainage area	Area or watershed where runoff from precipitation flows downgradient to the recharge zone of the Edwards Aquifer. Also known as the “Texas Hill Country.”

drainage basin	An area bounded by a divide and occupied by a drainage system. It consists of a surface stream or a body of impounded surface water, together with all tributary surface streams and bodies of impounded surface water.
Edwards Aquifer Authority (EAA or Authority)	Regional governmental entity established by the Texas Legislature in 1993 to “manage, enhance, and protect the Edwards Aquifer system.”
Edwards Underground Water District (euwd)	Regional governmental entity that preceded the Edwards Aquifer Authority.
freshwater/saline-water interface	Interface or boundary that separates total dissolved solids (TDS) values less than 1,000 mg/L (freshwater) from TDS values greater than 1,000 mg/L (saline water). Commonly referred to as the “bad-water line.”
gauging station	A particular site that systematically collects hydrologic data, such as streamflow, springflow, or precipitation.
groundwater divide	A ridge or mound in the water table or potentiometric surface from which the groundwater moves in opposite directions.
mean	Arithmetic average of a population of numbers. Described mathematically as $\text{Mean} = (X_1 + X_2 + X_3 + \dots + X_n) / n$
median	Numerical value at the “center” or “middle” of a data set, where one-half of the sample population is less than, and one-half is greater than, the median value.
method blank	Laboratory-grade water taken through the entire sample preparation and analytical procedure as part of the batch of samples to determine the presence or absence of target constituents or interferences. The blank is used to assess possible background contamination from the analytical process. This blank may also be referred to as a laboratory blank.
micrograms per liter (µg/l)	A unit for expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water; 1,000 micrograms per liter is equal to 1 milligram per liter.
milligrams per liter (mg/l)	A unit for expressing the concentration of chemical constituents in solution as mass (milligrams) of solute per unit volume (liter) of water; 1,000 milligrams per liter is equal to one gram per liter.
potentiometric surface	An imaginary surface representing the total head of groundwater and defined by the level to which water will rise in a well. Under confined conditions, the water level will rise above the producing aquifer.
real time data	Instantaneous or near-instantaneous information used to monitor a current condition such as precipitation, streamflow, spring discharge, etc.
recharge	Process involved in absorption and addition of water to the zone of saturation.

recharge zone	Area in which water infiltrates into the ground and eventually reaches the zone of saturation in one or more aquifers.
semivolatile organic compounds (svoc)	Class of naturally occurring and synthetic organic compounds, such as polynuclear aromatic hydrocarbons and chlorinated hydrocarbons and pesticides; typically analyzed using gas chromatograph/mass spectrometers.
specific conductance	A measure of the ability of an aqueous solution to conduct an electrical current. Specific conductance is the given value of conductivity adjusted to a standard temperature of 25°C. Expressed in microSiemens per centimeter ($\mu\text{S}/\text{cm}$). See also conductivity.
ten-year floating average	Calculated mean of the current year plus the previous nine years in a graph.
total dissolved solids (TDS)	Concentration of dissolved minerals in water, usually expressed in units of milligrams per liter (mg/L).
transect wells	A group of Edwards Aquifer monitoring wells positioned in a linear transect to monitor for changes in water quality along the freshwater/saline-water interface.
trip blank	Laboratory-grade water taken from the laboratory to the sampling site and returned to the laboratory unopened whenever samples are collected for analyses of volatile organic compounds. This blank is used to measure cross-contamination from the container and preservative during transport, field handling, and storage. It is analyzed for volatile organic compounds.
unconfined aquifer	An aquifer, or a part of an aquifer, having a water table and containing groundwater that is not under pressure beneath relatively impermeable rocks.
underflow	Movement of water flowing beneath the land surface within the bed or alluvial plain of a surface stream.
volatile organic compounds (VOC)	Class of naturally occurring and synthetic organic compounds with boiling points below 200°C, typically analyzed using gas chromatograph/mass spectrometers; includes solvents such as trichloroethene or benzene.
water table	Interface between the zone of saturation and the zone of aeration, where the surface pressure of unconfined groundwater is equal to the atmospheric pressure. The water table is also known as the piezometric surface.
water level observation well	A water well used to measure the water level or potentiometric surface of water-bearing strata such as the Edwards Aquifer, Leona Gravel Aquifer, and Lower Glen Rose (Trinity) Aquifer.
zone of aeration	Subsurface zone where voids and pore spaces may contain water under less pressure than that of the atmosphere. Also known as the vadose zone.
zone of saturation	Subsurface zone in which all voids and pore spaces are filled with water under pressure greater than that of the atmosphere. Also known as the phreatic zone.

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Internet Resources:

MCL Information and Tables:

[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.ViewTAC?tac_view=4&ti=30&pt=1&ch=290](http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=4&ti=30&pt=1&ch=290)

TRRP Rules and PCL Tables:

<http://www.tnrcc.state.tx.us/permitting/trrp.htm>

Population and Census data:

<http://quickfacts.census.gov/qfd/>

APPENDIX A

Year 2005 Water Level Data for Selected Wells

Table A-1. City of Uvalde Index Well J-27 (YP-69-50-302) Daily High Water Levels (in feet above msl), 2005

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	884.9	885.1	885.3	885.4	884.0	883.1	881.2	880.4	880.9	880.7	881.2	881.1
2	884.9	885.0	885.3	885.3	884.0	883.0	881.1	880.4	880.9	880.7	881.2	881.1
3	884.9	885.0	885.3	885.4	884.0	883.1	881.2	880.5	880.9	880.8	881.2	881.1
4	885.0	885.1	885.3	885.4	884.0	883.1	881.0	880.5	881.0	880.8	881.2	881.1
5	885.0	885.1	885.5	885.3	883.9	883.1	881.0	880.5	880.9	880.9	881.2	881.0
6	885.0	885.1	885.5	885.2	883.9	883.0	881.0	880.5	880.9	880.9	881.2	881.0
7	885.0	885.1	885.5	885.2	883.9	883.0	880.9	880.5	880.9	880.9	881.2	881.0
8	884.9	885.1	885.5	885.2	883.8	882.9	880.8	880.5	880.9	880.9	881.2	881.0
9	885.0	885.1	885.5	885.2	883.8	882.8	880.7	880.5	880.9	880.9	881.2	881.0
10	885.0	885.1	885.5	885.2	883.7	882.7	880.7	880.7	880.9	881.0	881.1	881.0
11	885.0	885.1	885.5	885.2	883.7	882.8	880.6	880.7	880.9	881.0	881.1	881.0
12	885.1	885.2	885.6	885.1	883.6	882.7	880.5	880.7	881.0	881.0	881.2	881.0
13	885.0	885.2	885.6	885.0	883.6	882.7	880.4	880.8	881.0	881.1	881.1	881.0
14	884.9	885.2	885.6	884.9	883.5	882.6	880.4	880.8	881.0	881.1	881.2	881.0
15	884.9	885.2	885.6	884.8	883.5	882.4	880.4	880.8	881.0	881.1	881.2	881.0
16	884.9	885.2	885.6	884.8	883.6	882.3	880.5	880.8	880.9	881.1	881.1	880.9
17	884.9	885.1	885.6	884.8	883.6	882.2	880.5	880.9	880.9	881.1	881.1	881.0
18	885.0	885.1	885.6	884.8	883.6	882.1	880.5	880.9	880.9	881.2	881.1	881.0
19	885.0	885.2	885.6	884.8	883.6	882.0	880.5	880.9	880.9	881.2	881.1	881.0
20	885.0	885.2	885.6	884.7	883.5	882.0	880.5	880.9	880.9	881.1	881.1	881.0
21	885.0	885.2	885.6	884.7	883.5	881.9	880.4	880.9	880.8	881.1	881.1	880.9
22	885.0	885.2	885.5	884.7	883.4	881.8	880.3	880.9	880.8	881.1	881.1	880.9
23	884.9	885.2	885.5	884.6	883.4	881.7	880.3	880.9	880.8	881.1	881.1	880.9
24	884.9	885.3	885.5	884.6	883.3	881.7	880.3	880.9	880.8	881.1	881.1	881.0
25	885.0	885.3	885.5	884.6	883.2	881.6	880.2	880.9	880.8	881.1	881.1	881.0
26	884.9	885.3	885.5	884.5	883.1	881.6	880.2	880.9	880.8	881.1	881.1	881.0
27	885.0	885.3	885.5	884.4	883.0	881.5	880.2	880.9	880.8	881.2	881.2	881.0
28	885.1	885.3	885.5	884.4	883.1	881.3	880.4	880.9	880.7	881.1	881.1	881.0
29	885.0		885.6	884.2	883.1	881.3	880.4	881.0	880.7	881.2	881.1	880.9
30	885.1		885.5	884.1	883.1	881.3	880.4	881.0	880.7	881.2	881.1	880.9
31	885.0		885.5		883.1		880.4	881.0		881.2		880.9

Table A-2. City of Hondo Index Well (TD-69-47-306) Daily High Water Levels (in feet above msl), 2005

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	772.2	770.5	772.8	773.6	755.3	759.8	739.8	746.6	743.4	742.9	745.2	743.4
2	772.4	770.5	772.9	773.5	755.5	760.7	740.1	746.3	743.4	742.6	745.2	743.5
3	772.4	770.6	772.9	773.2	755.5	761.3	741.1	746.4	743.5	743.0	745.2	743.6
4	772.5	770.8	773.1	773.3	756.1	761.7	741.8	745.9	743.4	743.3	745.0	743.5
5	772.5	771.0	773.1	773.0	755.6	761.8	741.4	746.0	743.8	743.1	745.0	743.3
6	772.2	771.2	773.5	772.6	754.8	761.8	740.2	746.4	743.6	743.1	744.6	743.3
7	772.3	771.2	773.9	772.2	754.1	761.7	739.7	746.5	743.8	742.9	744.3	743.3
8	772.0	771.7	774.0	772.0	756.0	761.0	739.3	746.6	744.5	743.4	744.1	743.3
9	772.0	771.8	774.3	771.4	757.4	760.5	739.8	746.1	744.6	743.8	744.1	743.2
10	772.0	771.8	774.7	771.2	757.9	758.8	740.9	746.2	744.4	744.0	744.0	743.3
11	772.0	772.1	774.8	771.1	758.7	757.3	741.2	747.0	745.7	744.4	744.1	743.1
12	772.1	772.5	775.2	770.7	758.6	755.3	740.2	747.4	746.7	744.9	744.1	743.2
13	771.7	772.6	775.3	770.0	758.3	754.5	739.7	747.9	747.3	745.0	744.1	743.2
14	771.2	772.5	775.0	768.2	758.2	752.6	739.9	748.4	747.5	745.2	744.2	743.3
15	771.1	772.5	775.1	767.6	758.8	750.2	740.5	748.6	747.6	745.3	744.1	743.1
16	771.0	772.4	775.0	766.9	760.2	748.2	741.6	748.6	747.4	745.4	743.7	743.2
17	771.0	772.3	775.2	766.8	761.0	747.2	743.0	748.5	747.4	745.4	743.8	743.3
18	771.0	772.2	775.2	767.3	761.4	745.5	743.7	748.4	747.3	745.4	743.8	743.1
19	770.9	772.2	775.1	767.8	761.4	745.3	744.3	748.1	746.7	745.3	743.9	743.2
20	770.7	772.0	774.9	767.5	761.4	745.2	745.0	747.8	746.2	744.7	743.7	743.2
21	770.5	771.9	775.0	767.1	760.8	743.3	745.4	747.5	745.7	744.4	743.7	742.9
22	770.2	771.8	774.9	766.2	759.9	742.5	745.8	747.0	745.9	744.2	743.6	742.4
23	769.9	771.7	774.5	765.0	758.8	740.8	746.0	746.9	745.8	744.0	743.5	742.1
24	770.0	771.7	774.6	764.4	756.1	739.9	746.1	745.7	745.5	744.1	743.4	741.8
25	769.9	771.7	773.9	764.5	754.1	739.8	746.4	745.1	744.6	744.2	743.5	742.0
26	769.7	772.0	774.0	762.9	753.5	741.0	746.2	744.5	744.2	744.5	743.8	741.7
27	769.5	772.5	774.0	760.2	753.3	742.0	745.8	744.6	743.9	744.4	744.3	741.2
28	769.7	772.6	774.3	758.3	754.3	740.9	746.3	744.5	743.5	744.6	744.0	740.6
29	770.0		774.4	757.3	756.7	740.7	746.7	744.7	743.4	744.9	743.6	740.4
30	770.4		774.2	755.4	758.0	739.8	746.4	744.4	743.4	745.1	743.7	740.2
31	770.4		774.0		758.9		746.7	743.8		745.2		739.8

Appendix A (cont.)

Table A-3. City of Castroville Well (TD-68-41-301) Daily High Water Levels (in feet above msl), 2005

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	737.70	736.84	N/D	N/D	727.62	726.97	722.63	725.64	724.91	724.64	725.23	725.06
2	737.71	736.07	738.17	738.38	727.65	727.08	722.60	725.53	725.01	724.58	725.25	725.05
3	737.73	736.11	738.23	738.16	727.53	727.23	722.66	725.56	724.94	724.58	725.26	725.09
4	737.66	736.21	738.23	738.03	727.56	727.31	722.78	725.47	725.01	724.63	725.25	725.09
5	737.76	736.49	739.04	738.02	727.57	727.34	722.65	725.40	725.05	724.66	725.26	725.03
6	737.58	736.72	739.04	737.66	727.49	727.35	724.01	725.44	724.94	724.60	725.19	725.01
7	737.62	737.51	739.13	737.27	727.39	727.35	724.00	725.43	725.04	724.63	725.13	725.04
8	737.43	737.05	739.02	737.07	727.97	727.35	723.94	725.20	725.06	724.75	725.06	725.01
9	737.36	737.17	739.23	N/D	727.80	727.35	723.86	725.36	725.05	724.82	725.03	725.01
10	737.34	737.19	739.24	N/D	728.01	727.35	723.95	725.38	725.03	724.88	725.03	725.05
11	737.26	737.43	N/D	N/D	728.10	727.35	724.04	725.49	725.23	724.98	725.05	725.03
12	N/D	737.89	N/D	N/D	728.16	727.35	723.85	725.63	725.41	725.08	725.08	725.04
13	N/D	738.03	N/D	N/D	728.18	727.36	723.79	725.68	725.58	725.13	725.04	725.05
14	736.69	737.92	N/D	N/D	726.44	727.36	723.79	725.81	725.68	725.19	725.04	725.09
15	736.60	737.93	N/D	N/D	726.49	727.36	723.92	725.85	725.69	725.25	725.04	725.06
16	736.51	737.95	N/D	N/D	726.60	724.90	724.19	725.86	725.67	725.27	724.97	725.08
17	736.42	737.78	739.89	N/D	726.73	724.60	724.46	725.88	725.65	725.25	724.99	725.11
18	736.20	737.64	740.00	N/D	726.78	724.60	724.72	725.87	725.63	725.25	724.99	725.08
19	736.34	737.88	N/D	N/D	726.79	724.60	724.90	725.77	725.52	725.25	725.06	725.09
20	736.40	737.75	N/D	N/D	726.77	724.59	725.05	725.72	725.38	725.21	725.03	725.07
21	736.31	737.60	N/D	N/D	726.65	723.71	725.11	725.60	725.35	725.12	725.03	725.02
22	735.89	737.43	N/D	N/D	726.53	723.34	725.19	725.58	725.36	725.09	724.99	724.96
23	735.38	737.32	739.54	N/D	726.49	723.14	725.30	725.46	725.36	725.09	724.99	724.94
24	735.38	739.91	N/D	N/D	725.84	723.01	725.31	725.44	725.30	725.09	724.96	724.93
25	735.38	737.17	N/D	N/D	725.56	722.93	725.47	725.36	725.12	725.09	724.96	724.88
26	735.35	738.10	N/D	N/D	725.32	722.93	725.50	725.27	724.90	725.10	725.08	724.88
27	N/D	N/D	739.26	733.72	725.80	723.02	725.51	725.14	724.79	725.12	725.15	725.15
28	N/D	N/D	739.35	728.40	726.07	722.90	725.62	725.11	724.73	725.11	725.11	725.11
29	N/D		739.39	728.10	726.21	722.87	725.61	725.10	724.67	725.17	725.04	725.04
30	N/D		739.20	727.68	726.50	722.75	725.61	725.06	724.67	725.24	725.06	725.06
31	N/D		N/D		726.70		725.67	724.99		725.25		725.25

Table. A-4. Bexar County Index Well J-17 (AY-68-37-203) Daily High Water Levels (in feet above msl), 2005

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	697.3	695.6	697.1	697.8	689.8	690.5	678.5	681.6	677.2	676.2	678.8	678.3
2	697.3	695.9	697.2	697.6	689.5	690.9	678.2	681.0	677.5	676.1	678.9	678.3
3	697.0	695.9	697.4	697.5	689.2	691.0	678.1	680.9	678.2	675.8	678.8	678.3
4	697.0	695.9	697.5	697.1	689.3	691.2	677.8	680.4	678.8	676.0	678.7	678.7
5	697.0	696.2	697.3	697.0	689.3	691.4	677.5	680.0	678.8	676.1	678.8	678.3
6	697.0	696.3	697.9	696.7	688.9	691.0	677.0	680.2	678.5	676.1	678.7	678.3
7	696.9	696.8	698.1	696.4	688.6	690.8	676.7	680.0	678.8	676.5	678.1	678.4
8	696.9	697.3	698.5	696.0	688.9	690.4	676.4	679.5	678.9	677.0	678.0	678.6
9	697.0	697.7	698.5	696.1	689.4	690.0	676.2	678.9	678.8	677.3	678.0	678.6
10	696.7	697.8	699.3	695.9	689.8	689.5	676.1	680.0	679.1	677.2	677.9	678.8
11	696.6	698.0	699.2	695.7	690.0	689.2	675.9	680.5	680.0	677.9	678.0	678.7
12	696.6	698.3	699.5	695.2	690.0	688.6	675.5	680.8	680.8	678.2	678.1	678.5
13	696.4	698.7	699.6	694.8	689.9	687.8	675.4	681.0	681.2	678.6	678.1	679.0
14	696.2	698.3	699.5	694.5	690.0	687.3	675.5	681.6	681.5	678.8	677.9	679.3
15	696.2	698.3	699.4	694.1	689.9	686.6	675.9	681.5	681.5	679.1	677.7	679.3
16	696.2	698.1	699.6	694.1	689.9	686.0	677.4	681.3	681.4	679.1	677.8	679.2
17	696.1	698.1	699.6	694.0	690.5	685.3	678.6	681.2	680.6	678.8	678.0	679.5
18	695.7	697.4	699.8	693.9	690.4	684.7	679.5	680.9	680.2	678.9	678.0	679.6
19	695.8	697.3	699.7	693.9	690.5	684.1	680.1	680.5	679.6	678.9	678.3	679.5
20	695.8	697.3	699.7	693.9	690.3	683.5	680.6	680.5	679.0	678.8	678.2	679.4
21	695.7	697.1	699.4	693.8	690.0	682.7	681.2	680.3	678.8	678.3	677.9	679.3
22	695.6	696.6	699.3	693.5	689.7	682.2	681.5	679.9	678.9	678.3	677.9	679.2
23	695.4	696.6	699.1	693.3	689.2	681.6	681.6	679.6	678.7	678.6	677.8	679.2
24	695.3	696.6	698.9	693.1	688.7	680.8	681.8	679.2	679.3	678.2	677.7	679.2
25	695.0	696.8	698.7	692.6	688.2	680.6	681.7	678.8	678.8	678.4	678.0	679.3
26	694.7	696.9	698.6	692.3	687.7	680.4	681.4	678.3	677.7	678.4	678.2	679.3
27	694.6	697.1	698.7	691.5	688.0	680.0	681.3	678.1	676.9	678.3	678.7	679.0
28	695.0	697.1	698.7	690.9	688.2	679.7	681.5	678.0	676.4	678.5	678.4	678.8
29	695.6		698.7	690.2	689.2	679.3	681.6	677.6	676.0	678.8	678.2	678.6
30	695.6		698.4	689.6	689.8	678.9	681.8	677.7	676.3	678.9	678.5	678.3
31	695.5		698.1		690.1		681.9	677.4		678.7		678.1

N/D - No Data Available

Appendix A (cont.)

Table A-5. Landa Park Well (DX-68-23-302) Daily High Water Levels (in feet above msl), 2005

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	631.3	630.8	630.7	631.0	630.2	630.3	628.8	628.6	628.2	627.9	627.9	627.7
2	631.2	630.8	630.7	631.0	630.1	629.9	628.8	628.5	628.1	627.8	627.8	627.7
3	631.2	630.7	630.8	631.0	630.1	629.9	628.8	628.5	628.1	627.8	627.8	627.7
4	631.2	630.6	630.7	630.9	630.1	629.9	628.7	628.5	628.1	627.8	627.8	627.7
5	631.1	630.6	631.2	630.9	630.1	629.9	628.7	628.5	628.1	627.8	627.8	627.7
6	631.1	630.7	631.1	630.9	630.0	629.9	628.6	628.4	628.1	627.8	627.8	627.7
7	631.2	630.7	631.3	630.9	630.0	629.9	628.6	628.4	628.1	627.8	627.8	627.7
8	631.0	630.7	631.2	630.8	630.0	629.8	628.5	628.4	628.1	627.8	627.8	627.7
9	631.0	630.7	631.2	630.8	630.0	629.8	628.5	628.4	628.1	627.8	627.8	627.7
10	631.0	630.7	631.2	630.8	630.0	629.8	628.5	628.4	628.1	627.8	627.8	627.7
11	631.0	630.7	631.2	630.8	630.0	629.8	628.5	628.5	628.1	627.8	627.8	627.7
12	631.0	630.7	631.2	630.7	630.0	629.7	628.4	628.5	628.1	627.8	627.8	627.7
13	631.0	630.7	631.3	630.7	630.0	629.7	628.3	628.5	628.1	627.8	627.8	627.7
14	631.0	630.7	631.3	630.7	630.0	629.7	628.3	628.5	628.1	627.8	627.8	627.7
15	631.0	630.8	631.3	630.6	630.0	629.6	628.3	628.5	628.1	627.8	627.7	627.7
16	631.0	630.8	631.3	630.6	630.0	629.6	628.4	628.5	628.1	627.8	627.7	627.7
17	631.0	630.8	631.3	630.6	630.0	629.5	628.5	628.5	628.1	627.8	627.7	627.7
18	631.0	630.7	631.3	630.6	630.0	629.5	628.5	628.5	628.1	627.8	627.7	627.7
19	631.0	630.7	631.1	630.5	630.0	629.5	628.5	628.5	628.1	627.8	627.7	627.7
20	630.9	630.8	631.1	630.5	629.9	629.4	628.5	628.4	628.1	627.9	627.8	627.7
21	630.9	630.8	631.2	630.5	629.9	629.3	628.6	628.4	628.1	627.9	627.8	627.7
22	630.9	630.7	631.1	630.5	629.9	629.3	628.6	628.4	628.1	627.9	627.7	627.7
23	630.8	630.7	631.1	630.5	629.8	629.2	628.6	628.4	628.1	627.9	627.7	627.7
24	630.9	630.7	631.1	630.4	629.8	629.2	628.6	628.3	628.1	627.9	627.7	627.7
25	630.8	630.7	631.1	630.4	629.8	629.1	628.6	628.3	628.0	627.9	627.7	627.7
26	630.8	630.7	631.1	630.4	629.7	629.1	628.6	628.3	628.0	627.9	627.7	627.7
27	630.9	630.8	631.1	630.3	629.7	629.0	628.6	628.2	628.0	627.9	627.8	627.7
28	630.8	630.8	631.1	630.3	629.8	629.0	628.6	628.2	627.9	627.8	627.7	627.7
29	630.9		631.0	630.2	629.9	628.9	628.6	628.2	627.9	627.8	627.7	627.7
30	630.8		631.0	630.2	629.9	628.9	628.6	628.2	627.9	627.9	627.7	627.7
31	630.9		631.0		629.8		628.6	628.2		627.9		627.7

Table A-6. Knispel Well (LR 67-01-809) Daily High Water Levels (in feet above msl), 2005

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	584.7	581.8	582.5	582.7	581.3	579.9	578.6	577.8	577.0	576.6	OOOR	OOOR
2	584.6	582.9	582.5	582.7	581.2	579.8	578.6	577.7	577.0	576.6	OOOR	OOOR
3	584.6	582.8	582.5	582.7	581.2	579.8	578.6	577.7	577.0	576.6	OOOR	OOOR
4	584.8	582.8	582.6	582.6	581.1	579.7	578.5	577.7	577.0	576.6	OOOR	OOOR
5	584.7	582.8	582.6	582.6	581.0	579.7	578.5	577.6	577.0	576.6	OOOR	575.6
6	584.6	582.7	582.8	582.6	581.0	579.6	578.5	577.6	577.0	576.6	OOOR	OOOR
7	584.6	583.1	583.0	582.5	581.0	579.6	578.4	577.6	577.0	576.5	OOOR	OOOR
8	584.2	583.2	583.1	582.4	580.9	579.6	578.3	577.6	577.0	576.5	OOOR	OOOR
9	584.1	583.2	583.1	582.4	580.9	579.5	578.3	577.6	577.0	576.5	576.0	OOOR
10	584.0	583.1	583.2	582.4	580.8	579.5	578.3	577.5	576.9	576.5	OOOR	OOOR
11	583.9	583.1	583.2	582.3	580.8	579.4	578.3	577.5	576.9	576.5	OOOR	OOOR
12	584.3	583.1	583.2	582.2	580.7	579.4	578.2	577.5	576.9	576.5	OOOR	OOOR
13	584.2	583.1	583.2	582.2	580.7	579.3	578.2	577.5	576.9	576.5	OOOR	OOOR
14	584.0	583.1	583.2	582.1	580.7	579.3	578.2	577.4	576.9	576.4	OOOR	OOOR
15	583.9	583.0	583.2	582.1	580.6	579.2	578.1	577.4	576.9	OOOR	OOOR	OOOR
16	583.8	583.0	583.2	582.0	580.6	579.2	578.1	577.4	576.8	OOOR	OOOR	OOOR
17	583.8	582.9	583.2	581.9	580.6	579.2	578.1	577.4	576.8	OOOR	OOOR	OOOR
18	583.7	582.8	583.2	581.9	580.5	579.1	578.1	577.4	576.8	576.3	OOOR	OOOR
19	583.7	582.8	583.2	581.8	580.5	579.1	578.1	577.4	576.8	OOOR	OOOR	OOOR
20	583.6	582.8	583.1	581.8	580.4	579.1	578.1	577.3	576.8	OOOR	OOOR	OOOR
21	583.5	582.8	583.1	581.8	580.4	579.0	578.1	577.3	576.7	OOOR	OOOR	OOOR
22	583.5	582.8	583.1	581.7	580.3	579.0	578.0	577.3	576.7	OOOR	OOOR	OOOR
23	583.3	582.8	583.1	581.6	580.3	578.9	578.0	577.3	576.7	OOOR	OOOR	OOOR
24	583.2	582.7	583.0	581.6	580.2	578.9	578.0	577.2	576.7	OOOR	OOOR	OOOR
25	583.2	582.6	583.0	581.6	580.1	578.9	578.0	577.2	576.6	OOOR	OOOR	OOOR
26	583.1	582.6	583.0	581.6	580.1	578.8	578.0	577.2	576.6	OOOR	OOOR	OOOR
27	583.0	582.6	582.9	581.5	580.0	578.8	577.9	577.1	576.6	OOOR	OOOR	OOOR
28	583.0	582.6	582.9	581.4	580.0	578.7	577.9	577.1	576.6	OOOR	OOOR	OOOR
29	582.9		582.9	581.4	579.9	578.7	577.8	577.1	576.5	OOOR	OOOR	OOOR
30	582.9		582.9	581.3	579.9	578.7	577.8	577.1	576.6	OOOR	OOOR	OOOR
31	582.8		582.8		579.9		577.8	577.1		OOOR	OOOR	OOOR

OOOR - No Data Available (equipment malfunction)

APPENDIX B

Year 2005 Hydrographs for Index Wells and Springs

Figure B-1. Bexar County Index Well J-17 (AY-68-37-203)
Hydrograph of Groundwater Elevation vs. Precipitation at San Antonio International Airport

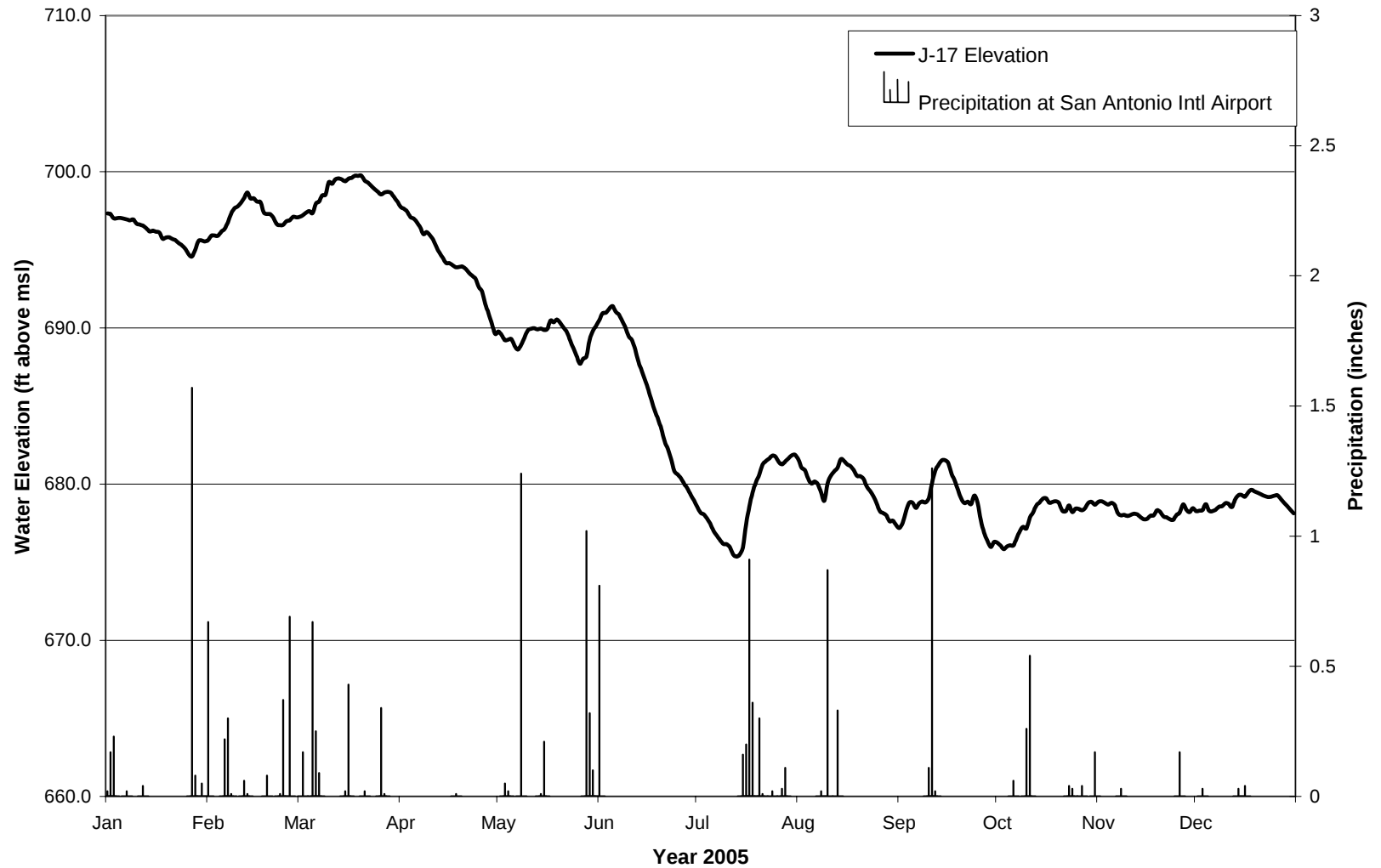


Figure B-2. City of Hondo Index Well (TD-69-47-306)
Hydrograph of Groundwater Elevation vs. Precipitation at Hondo

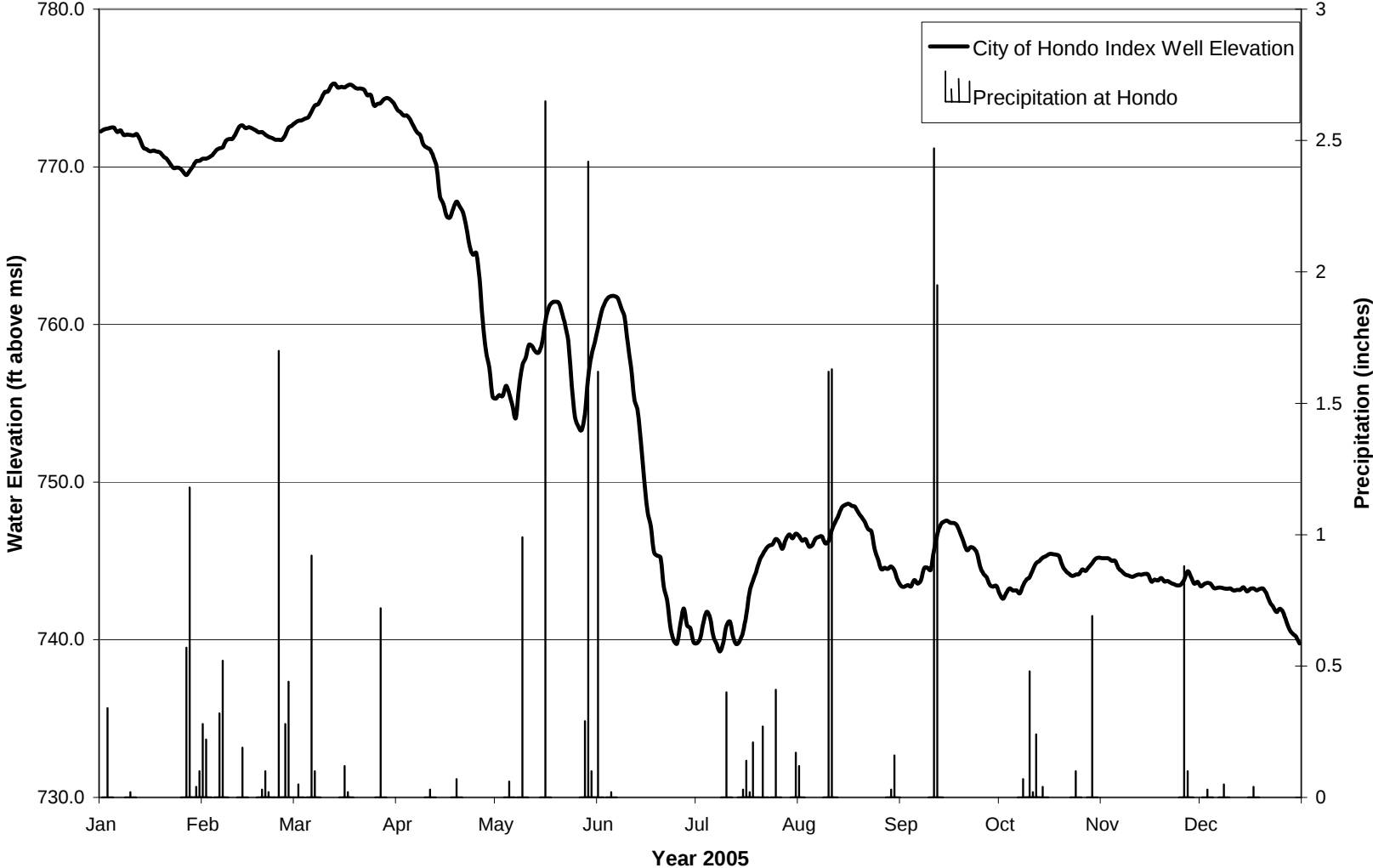


Figure B-3. City of Uvalde Index Well J-27 (YP-69-50-302)
Hydrograph of Groundwater Elevation vs. Precipitation at Uvalde

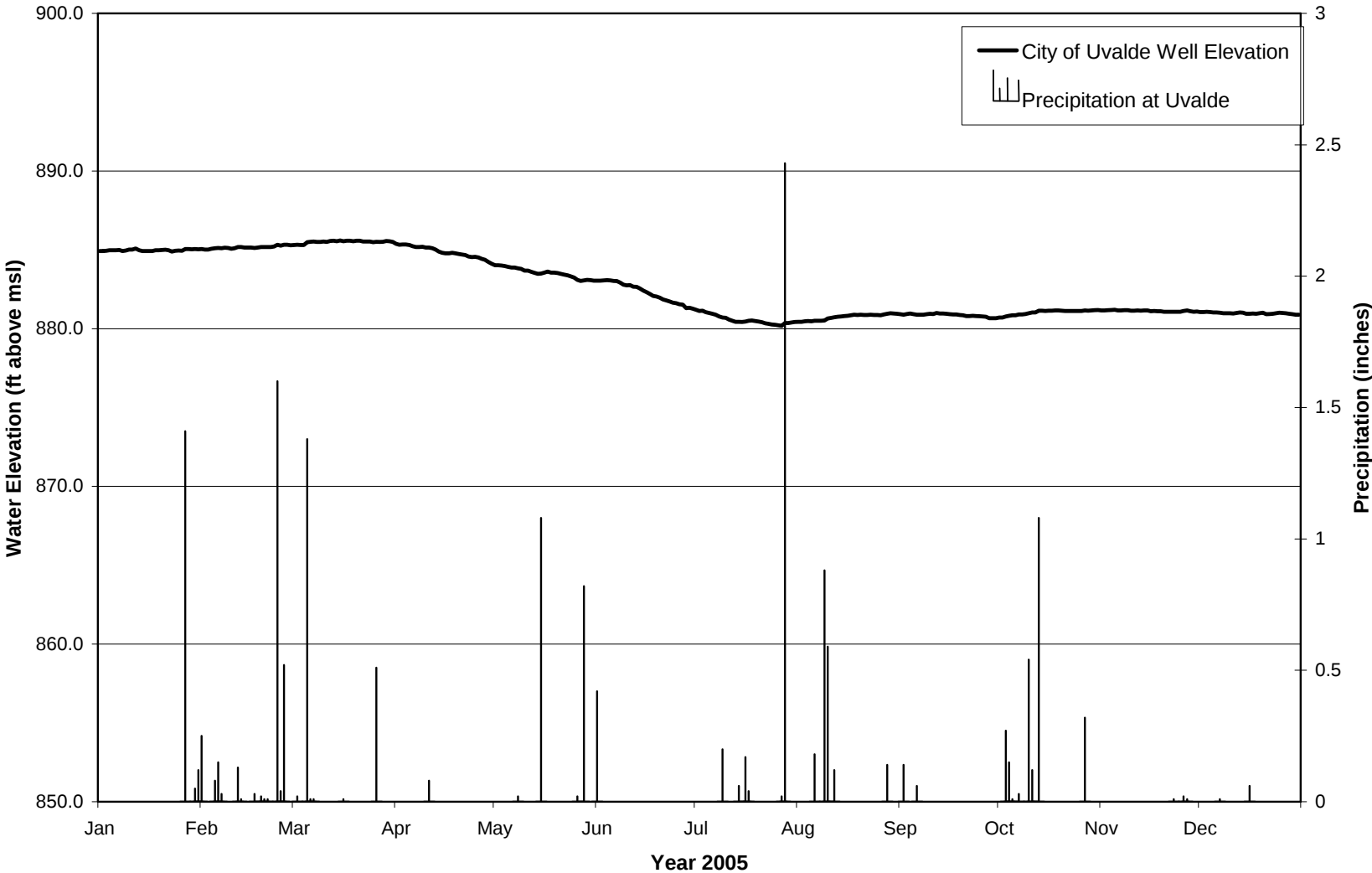


Figure B-4. Comal Springflow
Hydrograph of Springflow vs. Precipitation at San Antonio International Airport

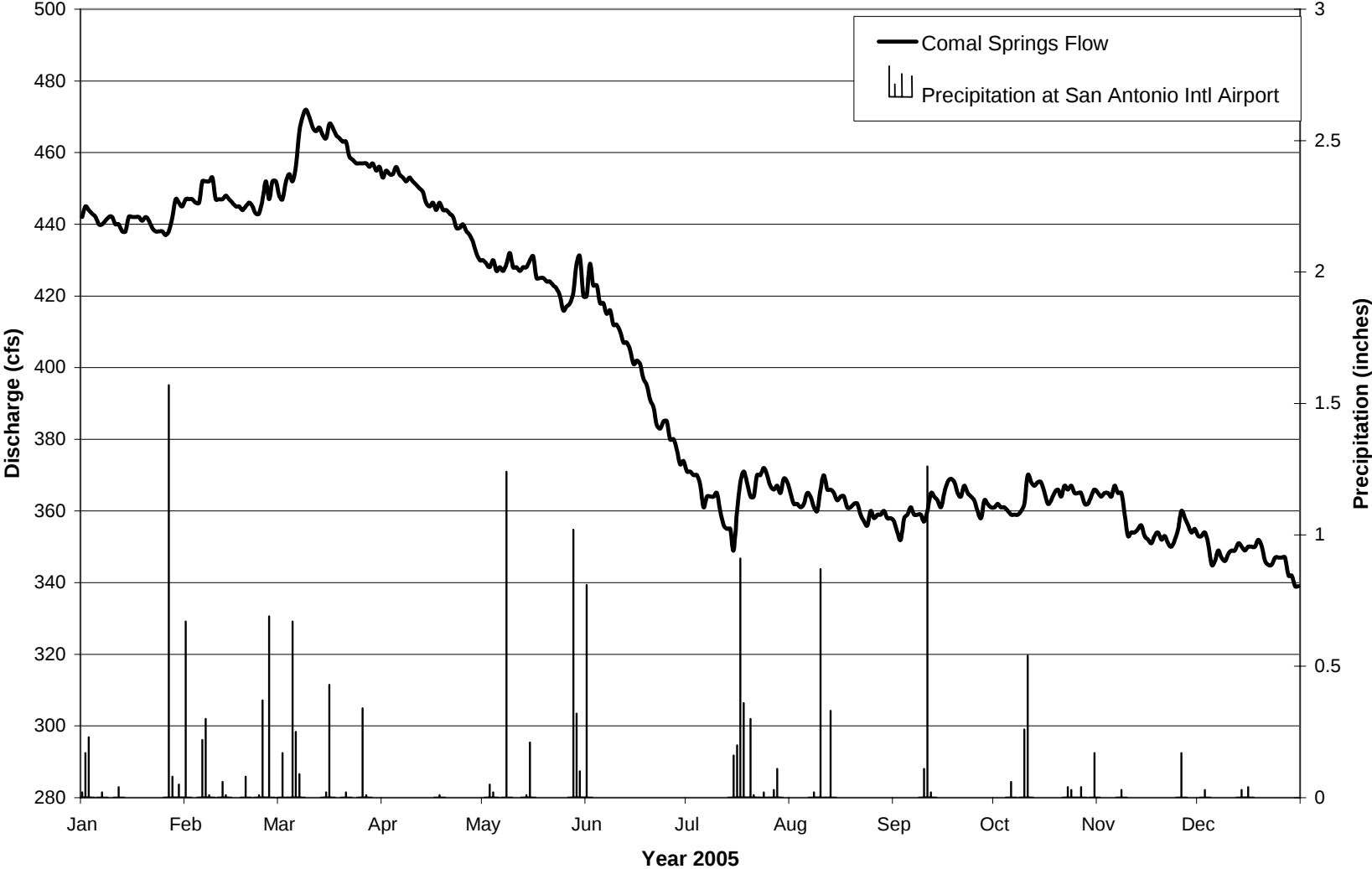
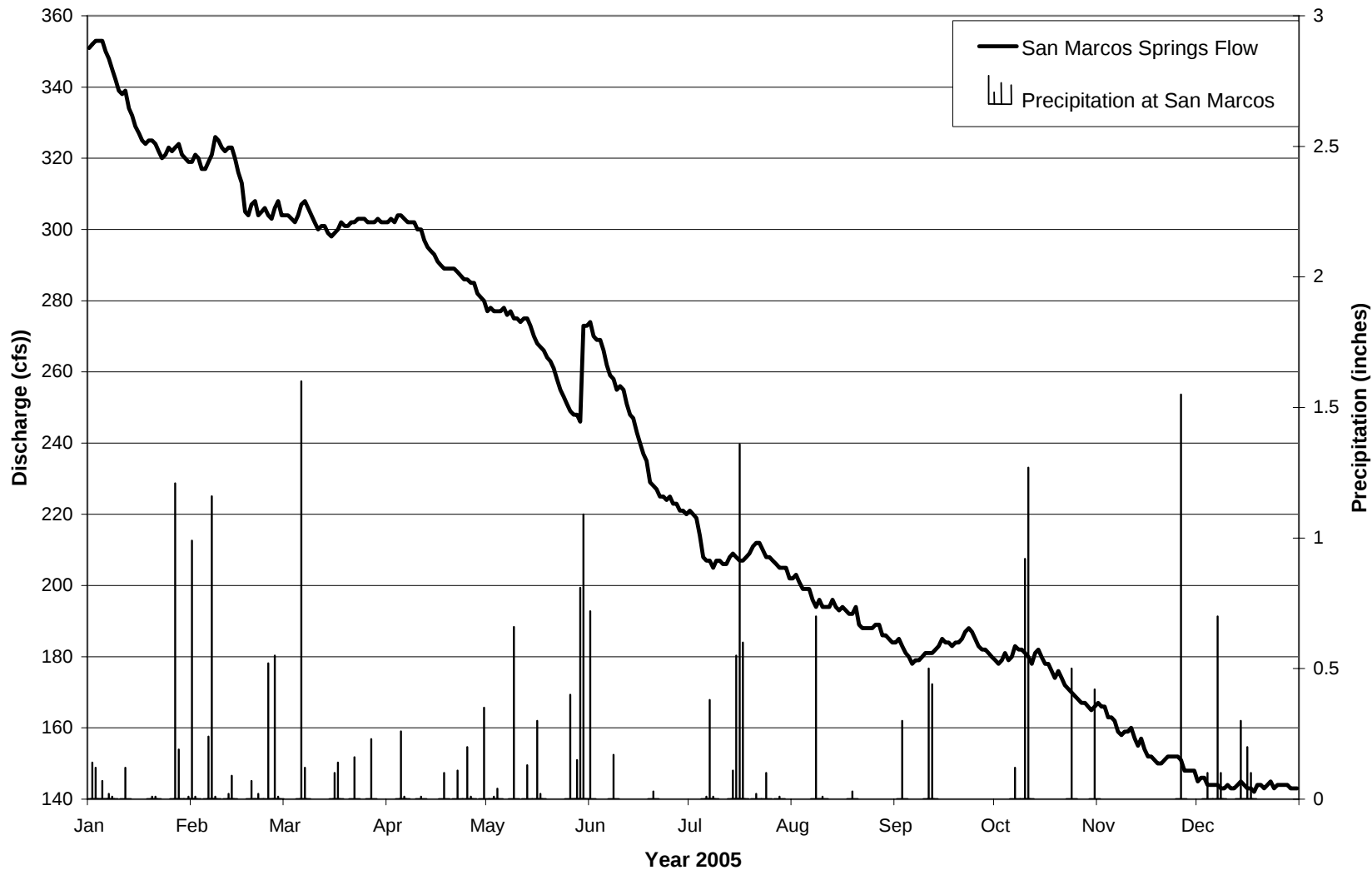


Figure B-5. San Marcos Springflow
Hydrograph of Springflow vs. Precipitation at San Marcos



APPENDIX C — Year 2005 Water Quality Data

Table C-1. Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Time Sampled	Well Depth (ft)	Water Level (ft above msl)	Pump or Flow Period (min)	Flow Rate (gpm)	Water Temp (deg C)	Field Conductivity (µS/cm)	Field pH (std units)
Bexar	AY-68-27-609	01/05/05	11:20	261	124.00	90	3.5	23.10	575	6.98
Bexar	AY-68-29-114	01/10/05	11:15	201	91.87	95	3.5	23.30	692	7.23
Bexar	AY-68-28-515	01/12/05	11:45	306	228.32	110	3.5	23.70	638	6.98
Bexar	AY-68-27-307	01/18/05	10:55	270	129.54	100	3.5	22.90	593	7.02
Bexar	AY-68-29-213	01/20/05	11:25	222	119.69	105	3.5	23.80	684	7.13
Bexar	AY-68-28-211	01/26/05	11:20	300	183.72	100	3.5	23.10	638	6.89
Bexar	AY-68-28-315	02/01/05	12:30	280	163.82	80	3.5	22.70	606	6.69
Bexar	AY-68-28-314	02/02/05	10:15	240	132.60	90	3.5	23.10	672	6.83
Bexar	AY-68-28-609	02/07/05	11:25	260	161.11	90	3.5	22.90	538	6.93
Bexar	AY-68-28-210	02/09/05	12:10	281	137.57	95	3.5	22.30	579	7.06
Bexar	AY-68-29-114	5/11/05	11:25	201	90.12	85	3.5	23.30	757	7.01
Bexar	AY-68-28-203	04/25/05	09:30	435	NA	20	400.0	22.70	742	6.98
Bexar	AY-68-28-205	04/25/05	10:40	485	NA	20	1,200.0	22.20	551	7.17
Bexar	AY-68-28-514	04/25/05	10:35	510	NA	10	1,200.0	22.70	686	6.89
Bexar	AY-38-28-513	04/25/05	10:50	510	NA	10	1,200.0	22.60	649	6.94
Bexar	AY-68-28-210	04/26/05	11:15	281	137.40	120	3.5	23.10	615	6.79
Bexar	AY-68-36-107	07/07/05	13:35	NA	NA	20	1,200.0	22.20	614	7.09
Bexar	AY-68-28-702	07/07/05	14:05	NA	NA	POA	1,200.0	22.00	600	7.08
Bexar	AY-68-28-513	09/23/05	09:55	510	NA	18	1,200.0	22.80	620	6.76
Bexar	AY-68-28-608	09/23/05	10:45	500	NA	45	15.0	22.00	624	6.86
Bexar	AY-68-27-305	11/01/05	11:20	253	NA	75	5.0	22.20	580	7.09
Bexar	AY-68-29-216	11/09/05	10:00	261	189.68	70	3.5	23.80	589	7.01
Bexar	AY-68-28-313	11/09/05	15:00	297	NA	21	7.0	23.70	655	6.78
Bexar	AY-68-28-517	11/16/05	11:15	261	188.71	70	3.5	23.10	566	6.69
Bexar	AY-68-28-519	11/17/05	10:15	279	204.24	75	3.5	23.30	628	6.85
Bexar	AY-68-36-1DR	12/06/05	08:35	NA	NA	20	15.0	17.50	806	7.00

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Time Sampled	Well Depth (ft)	Water Level (ft above msl)	Pump or Flow Period (min)	Flow Rate (gpm)	Water Temp (deg C)	Field Conductivity (µS/cm)	Field pH (std units)
Bexar	AY-68-28-518	12/12/05	09:55	261	182.23	70	3.5	23.70	684	6.91
Comal	DX-68-23-616A	02/15/05	11:30	576	Artesian	100	10.0	25.20	2890	7.04
Comal	DX-68-23-616B	02/15/05	11:45	738	Artesian	115	10.0	26.00	1720	7.16
Comal	DX-68-23-619A	02/15/05	14:05	648	Artesian	95	10.0	25.50	510	7.38
Comal	DX-68-23-619B	02/15/05	14:20	784	Artesian	110	10.0	26.10	520	7.31
Comal	DX-68-23-618	02/17/05	10:35	660	Artesian	95	5.0	22.50	636	7.05
Comal	DX-68-23-617	02/17/05	10:50	917	Artesian	95	10.0	25.10	564	7.46
Comal	DX-68-23-304	03/02/05	13:15	965	Artesian	170	380.0	23.20	566	7.31
Comal	DX-68-23-316	06/13/05	11:05	350	176.4	120	3.5	23.50	582	6.82
Comal	DX-68-23-504	06/14/05	13:55	NA	NA	15	550.0	23.40	584	7.32
Comal	DX-68-22-901	06/23/05	08:20	NA	NA	20	1,450.0	22.20	513	7.08
Comal	DX-68-30-221	08/22/05	08:40	NA	NA	POA	10.0	22.30	623	6.97
Comal	DX-68-16-707	08/22/05	09:35	NA	NA	22	250.0	22.00	601	7.01
Comal	DX-68-23-507	11/03/05	11:15	257	221.82	30	10.0	23.10	532	7.04
Hays	LR-67-01-814A	02/16/05	10:55	556	NA	85	15.5	24.90	14890	6.48
Hays	LR-67-01-814B	02/16/05	11:35	726	NA	85	15.5	26.00	14820	6.47
Hays	LR-67-01-813A	02/16/05	14:05	564	NA	100	15.5	24.70	14900	6.48
Hays	LR-67-01-813B	02/16/05	14:20	699	NA	85	15.5	25.40	14870	6.47
Hays	LR-67-01-812	02/16/05	16:10	543	NA	85	15.5	24.40	14930	6.50
Hays	LR-67-09-113	4/19/05	09:50	280	117.35	80	15.0	22.80	665	7.02
Hays	LR-67-01-816	05/25/05	14:45	NA	NA	POA	350.0	23.00	644	7.01
Hays	LR-67-09-1SM	05/25/05	14:55	NA	NA	20	425.0	23.00	684	6.98
Hays	LR-67-01-303	06/14/05	09:55	NA	NA	10	500.0	24.50	622	7.36
Hays	LR-68-08-902	06/14/05	11:35	335	NA	35	500.0	22.70	604	7.33
Hays	LR-67-01-810	11/08/05	09:20	NA	NA	20	1,295.0	22.50	617	7.09
Hays	LR-67-01-303	11/14/05	09:37	NA	NA	POA	500.0	24.40	624	7.36
Hays	LR-67-09-1HB	11/14/05	11:15	NA	NA	65	5.0	22.80	570	7.26
Hays	LR-67-01-805	11/14/05	14:30	300	NA	17	3,000.0	22.70	615	7.65
Hays	LR-67-01-816	12/06/05	11:15	NA	NA	20	2,000.0	22.30	633	7.12

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Time Sampled	Well Depth (ft)	Water Level (ft above msl)	Pump or Flow Period (min)	Flow Rate (gpm)	Water Temp (deg C)	Field Conductivity (µS/cm)	Field pH (std units)
Hays	LR-67-09-1AA	12/14/05	13:30	250	NA	20	1,400.0	22.00	588	7.13
Kinney	RP-70-45-505	06/29/05	11:40	NA	NA	NA	NA	23.30	428	7.12
Kinney	RP-70-45-1DF	06/29/05	12:45	NA	NA	POA	500.0	28.80	257	7.70
Kinney	RP-70-29-101	06/29/05	16:10	NA	NA	25	5.0	24.20	398	6.79
Kinney	RP-70-45-7LC	06/30/05	09:55	NA	NA	20	4.0	26.90	1843	6.84
Kinney	RP-70-37-502	06/30-05	12:25	NA	NA	POA	5.0	24.60	468	7.11
Kinney	RP-70-37-903	06/30/05	15:30	NA	NA	20	600.0	25.70	450	7.06
Kinney	RP-70-28-3PI	07/28/05	11:30	NA	NA	20	5.0	23.50	432	7.16
Kinney	RP-70-03-CE	07/28/05	14:40	NA	NA	20	5.0	25.70	514	6.71
Kinney	RP-70-38-9GV	07/28/05	16:25	NA	NA	POA	5.0	31.50	421	7.16
Kinney	RP-70-37-706	07/29/05	11:15	NA	NA	POA	5.0	28.00	426	7.25
Kinney	RP-70-46-4DH	07/29/05	14:30	NA	NA	20	5.0	27.70	467	8.13
Uvalde	UV 00447	05/10/05	10:45	NA	NA	POA	1,200.0	22.90	611	7.42
Uvalde	UV 00446	05/10/05	11:10	NA	NA	POA	1,200.0	23.00	503	7.47
Uvalde	UV 00448	05/10/05	11:55	NA	NA	POA	1,200.0	23.40	504	7.49
Uvalde	UV 00572-3	05/10/05	13:50	NA	NA	POA	1,200.0	22.50	791	7.34
Uvalde	UV 00571-2	05/10/05	14:45	NA	NA	POA	1,200.0	23.40	656	7.38
Uvalde	YP-69-50-207	06/03/05	09:35	NA	NA	20	700.0	23.00	554	7.18
Uvalde	YP-69-45-405	06/15/05	11:25	NA	NA	20	770.0	22.90	483	7.27
Uvalde	YP-69-51-114	07/06/05	13:45	NA	NA	POA	180.0	30.40	945	7.00
Uvalde	YP-69-43-606	07/06/05	14:55	NA	NA	POA	900.0	23.40	508	7.28
Uvalde	YP-69-53-701	08/23/05	14:05	NA	Artesian	POA	1,000.0	26.40	317	8.71
Uvalde	YP-69-44-108	08/24/05	10:10	NA	NA	20	1,800.0	22.30	467	7.27
Uvalde	YP-69-36-602	08/31/05	14:02	739	NA	POA	1200.0	22.86	427.7	7.23
Uvalde	YP-69-45-1LV	08/31/05	15:10	NA	NA	NA	NA	26.24	550.4	7.22
Uvalde	YP-69-34-7SW	09/01/05	11:15	NA	NA	6	NA	25.49	384.3	7.16
Uvalde	YP-69-35-602	11/07/05	12:35	NA	63.4	125	5.0	23.50	426	7.33
Uvalde	YP-69-37-101	11/17/05	15:45	500	299.3	40	10.0	20.43	364	7.33
Medina	TD-69-55-604	06/01/05	10:00	NA	NA	20	650.0	23.80	527	7.22

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Time Sampled	Well Depth (ft)	Water Level (ft above msl)	Pump or Flow Period (min)	Flow Rate (gpm)	Water Temp (deg C)	Field Conductivity ($\mu\text{S}/\text{cm}$)	Field pH (std units)
Medina	TD-68-33-502	06/01/05	12:10	NA	NA	20	650.0	23.30	488	7.24
Medina	TD-68-41-102	06/01/05	13:15	NA	NA	20	450.0	24.50	494	7.25
Medina	TD-68-41-901	06/01/05	14:05	NA	NA	20	450.0	26.70	493	7.27
Medina	TD-68-49-301	06/02/05	10:30	NA	NA	20	500.0	32.10	479	7.33
Medina	TD-68-42-506	06/02/05	11:40	NA	NA	20	500.0	25.70	499	7.29
Medina	TD-68-41-303	06/03/05	13:20	NA	NA	20	650.0	23.90	498	7.26
Medina	TD-69-47-303	06/03/05	13:40	NA	NA	POA	650.0	NR	475	7.49
Medina	TD-68-42-806	06/15/05	09:20	NA	NA	POA	850.0	28.60	513	7.28
Medina	TD-68-49-501	06/15/05	13:55	NA	NA	POA	850.0	28.60	513	7.28
Medina	TD-68-42-113	08/15/05	09:35	NA	NA	17	500.0	23.70	501	7.28
Medina	TD-69-47-215	08/15/05	10:25	NA	NA	5	500.0	28.90	364	7.67
Medina	TD-69-47-305	08/15/05	11:15	NA	NA	POA	500.0	24.50	480	7.25
Medina	TD-69-47-301	08/15/05	11:30	NA	NA	20	500.0	24.30	478	6.44
Medina	TD-68-49-201	08/15/05	14:40	NA	NA	15	600.0	27.70	512	6.93
Medina	TD-69-38-906	08/16/05	09:50	NA	NA	20	585.0	24.50	526	7.14
Medina	TD-69-63-103	08/16/05	13:50	NA	NA	175	150.0	43.90	566	7.23

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Field Turbidity (NTU)	Dissolved Oxygen (mg/L)	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)	Total Coliform (colonies/100ml)	E-coli (colonies/100ml)
AY-68-27-609	01/05/05	277	3.06	9.40	<2	<2	NA	NA
AY-68-29-114	01/10/05	311	3.96	4.34	30	750	NA	NA
AY-68-28-515	01/12/05	266	6.87	5.30	<2	<2	NA	NA
AY-68-27-307	01/18/05	306	15.00	6.97	<2	<2	NA	NA
AY-68-29-213	01/20/05	336	0.32	4.29	<2	<2	NA	NA
AY-68-28-211	01/26/05	264	0.53	4.38	<2	<2	NA	NA
AY-68-28-315	02/01/05	298	6.71	3.57	12	38	NA	NA
AY-68-28-314	02/02/05	330	1.26	7.48	<2	<2	NA	NA
AY-68-28-609	02/07/05	270	4.26	4.39	4	4	NA	NA
AY-68-28-210	02/09/05	286	12.20	5.42	<2	21	NA	NA
AY-68-29-114	5/11/05	370	0.79	4.50	2	<2	NA	NA
AY-68-28-203	04/25/05	303	3.17	4.87	<2	<2	NA	NA
AY-68-28-205	04/25/05	293	2.67	4.18	<2	<2	NA	NA
AY-68-28-514	04/25/05	319	0.43	5.03	<2	<2	NA	NA
AY-38-28-513	04/25/05	315	0.07	5.06	<2	<2	NA	NA
AY-68-28-210	04/26/05	307	2.38	5.70	<2	<2	NA	NA
AY-68-36-107	07/07/05	NA	0.79	NA	NA	NA	NA	NA
AY-68-28-702	07/07/05	NA	0.28	NA	NA	NA	NA	NA
AY-68-28-513	09/23/05	295	0.11	8.06	<2	<2	NA	NA
AY-68-28-608	09/23/05	286	1.35	8.31	<2	<2	NA	NA
AY-68-27-305	11/01/05	278	3.27	NA	8	244	NA	NA
AY-68-29-216	11/09/05	295	1.01	NA	NA	NA	NA	NA
AY-68-28-313	11/09/05	315	19.20	NA	NA	NA	NA	NA
AY-68-28-517	11/16/05	275	1.20	NA	<2	<2	NA	NA
AY-68-28-519	11/17/05	328	3.25	NA	<2	<2	NA	NA
AY-68-36-1DR	12/06/05	335	0.20	5.97	<2	<2	NA	NA
AY-68-28-518	12/12/05	323	0.13	7.47	<2	<2	NA	NA

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Field Turbidity (NTU)	Dissolved Oxygen (mg/L)	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)	Total Coliform (colonies/100ml)	E-coli (colonies/100ml)
DX-68-23-616A	02/15/05	312	0.47	0.71	<2	<2	NA	NA
DX-68-23-616B	02/15/05	268	0.24	0.17	<2	<2	NA	NA
DX-68-23-619A	02/15/05	219	0.18	0.28	<2	<2	NA	NA
DX-68-23-619B	02/15/05	251	0.32	0.28	<2	<2	NA	NA
DX-68-23-618	02/17/05	221	0.91	0.66	<2	<2	NA	NA
DX-68-23-617	02/17/05	256	0.89	0.75	<2	<2	NA	NA
DX-68-23-304	03/02/05	266	1.11	3.38	24	10	NA	NA
DX-68-23-316	06/13/05	284	0.01	4.07	4	14	NA	NA
DX-68-23-504	06/14/05	266	1.20	3.49	<2	<2	NA	NA
DX-68-22-901	06/23/05	232	0.22	4.11	<2	<2	NA	NA
DX-68-30-221	08/22/05	272	0.12	5.89	<2	<2	NA	NA
DX-68-16-707	08/22/05	268	0.04	6.07	<2	<2	NA	NA
DX-68-23-507	11/03/05	258	0.53	NA	NA	NA	NA	NA
LR-67-01-814A	02/16/05	387	2.21	0.20	<2	<2	NA	NA
LR-67-01-814B	02/16/05	389	1.01	0.15	<2	<2	NA	NA
LR-67-01-813A	02/16/05	383	0.33	0.22	<2	<2	NA	NA
LR-67-01-813B	02/16/05	391	0.28	1.10	<2	16	NA	NA
LR-67-01-812	02/16/05	395	0.91	0.18	NA	NA	NA	NA
LR-67-09-113	4/19/05	276	5.11	NA	<2	<2	NA	NA
LR-68-16-603	05/25/05	290	0.67	3.15	NA	NA	NA	NA
LR-67-09-1SM	05/25/05	301	1.48	3.15	NA	NA	NA	NA
LR-67-01-303	06/14/05	272	0.11	0.47	<2	<2	NA	NA
LR-68-08-902	06/14/05	292	0.36	4.23	<2	<2	NA	NA
LR-67-01-810	11/08/05	305	0.13	NA	<2	<2	NA	NA
LR-67-01-303	11/14/05	281	0.20	NA	<2	92	NA	NA
LR-67-09-1HB	11/14/05	287	0.16	NA	<2	<2	NA	NA
LR-67-01-805	11/14/05	288	0.15	NA	<2	<2	NA	NA
LR-67-01-816	12/06/05	299	0.14	5.21	<2	<2	NA	NA

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Field Turbidity (NTU)	Dissolved Oxygen (mg/L)	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)	Total Coliform (colonies/100ml)	E-coli (colonies/100ml)
LR-67-09-1AA	12/14/05	284	0.08	7.05	<2	<2	NA	NA
RP-70-45-505	06/29/05	200	0.44	4.16	NA	NA	NA	NA
RP-70-45-1DF	06/29/05	224	0.14	3.13	NA	NA	NA	NA
RP-70-29-101	06/29/05	180	1.11	3.86	NA	NA	NA	NA
RP-70-45-7LC	06/30/05	347	4.27	0.77	NA	NA	NA	NA
RP-70-37-502	06/30/05	207	1.33	NA	NA	NA	NA	NA
RP-70-37-903	06/30/05	218	1.06	1.40	NA	NA	NA	NA
RP-70-28-3PI	07/28/05	193	0.77	6.90	NA	NA	NA	NA
RP-70-03-CE	07/28/05	237	0.11	5.53	NA	NA	NA	NA
RP-70-38-9GV	07/28/05	209	0.11	0.83	NA	NA	NA	NA
RP-70-37-706	07/29/05	205	0.10	3.30	NA	NA	NA	NA
RP-70-46-4DH	07/29/05	256	0.13	0.71	NA	NA	NA	NA
UV 00447	05/10/05	225	0.39	4.36	NA	NA	NA	NA
UV 00446	05/10/05	215	0.89	4.23	NA	NA	NA	NA
UV 00448	05/10/05	234	1.47	4.25	NA	NA	NA	NA
UV 00572-3	05/10/05	256	0.29	3.50	NA	NA	NA	NA
UV 00571-2	05/10/05	226	0.27	3.96	NA	NA	NA	NA
YP-69-50-207	06/03/05	220	0.27	3.78	<2	4	NA	NA
YP-69-45-405	06/15/05	218	0.30	4.87	<2	<2	NA	NA
YP-69-51-114	07/06/05	206	6.40	2.96	NA	NA	NA	NA
YP-69-43-606	07/06/05	210	10.80	4.59	NA	NA	NA	NA
YP-69-53-701	08/23/05	129	0.11	0.29	NA	NA	NA	NA
YP-69-44-108	08/24/05	252	0.12	8.17	NA	NA	NA	NA
YP-69-36-602	08/31/05	185	0.67	6.91	NA	NA	NA	NA
YP-69-45-1LV	08/31/05	219	0.23	0.38	NA	NA	NA	NA
YP-69-34-7SW	09/01/05	173	NA	NA	NA	NA	NA	NA
YP-69-35-602	11/07/05	225	0.11	NA	<2	<2	NA	NA
YP-69-37-101	11/17/05	236	NA	NA	NA	NA	NA	NA

Table C-1. (cont.) Field Measurements and Bacteria Counts in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Field Alkalinity (mg/L)	Field Turbidity (NTU)	Dissolved Oxygen (mg/L)	Fecal Coliform (colonies/100ml)	Fecal Strep (colonies/100ml)	Total Coliform (colonies/100ml)	E-coli (colonies/100ml)
TD-69-55-604	06/01/05	216	0.14	3.99	<2	<2	NA	NA
TD-68-33-502	06/01/05	194	0.25	2.20	<2	<2	NA	NA
TD-68-41-102	06/01/05	210	0.38	4.48	<2	<2	NA	NA
TD-68-41-901	06/01/05	202	0.16	3.80	<2	<2	NA	NA
TD-68-49-301	06/02/05	194	0.44	4.21	<2	<2	NA	NA
TD-68-42-506	06/02/05	206	0.42	4.10	<2	<2	NA	NA
TD-68-41-303	06/03/05	212	0.29	4.64	<2	<2	NA	NA
TD-69-47-303	06/03/05	212	0.18	NA	<2	<2	NA	NA
TD-68-42-806	06/15/05	202	0.08	1.66	<2	<2	NA	NA
TD-68-49-501	06/15/05	206	0.23	3.97	<2	<2	NA	NA
TD-68-42-113	08/15/05	198	0.33	6.45	<2	<2	NA	NA
TD-69-47-215	08/15/05	172	5.30	2.44	<2	<2	NA	NA
TD-69-47-305	08/15/05	200	0.09	7.24	<2	<2	NA	NA
TD-69-47-301	08/15/05	NA	0.15	7.02	NA	NA	NA	NA
TD-68-49-201	08/15/05	200	0.09	5.77	NA	NA	NA	NA
TD-69-38-906	08/16/05	220	0.09	5.62	<2	<2	NA	NA
TD-69-63-103	08/16/05	176	0.18	0.32	<2	<2	NA	NA

NA = Not Analyzed

NR = Not Recorded

POA = Pump in Continuous Operation Prior to Sampling

S = Freshwater / Saline-Water Transect Monitoring Well

Table C-2. Analytical Data for Major Ions in Water Samples in Water samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
Bexar	AY-68-27-305	11/01/05	161.0	10.20	15.10	1.330	9.99	36.90	<0.5000	18.000	348
Bexar	AY-68-27-307	01/18/05	108.0	6.28	7.67	0.996	10.70	13.70	<0.5000	5.110	340
Bexar	AY-68-27-609	01/05/05	102.0	7.57	11.00	0.731	17.20	15.60	<0.5000	5.050	325
Bexar	AY-68-28-203	04/25/05	112.0	18.10	7.22	0.938	51.20	15.20	<0.5000	13.600	394
Bexar	AY-68-28-205	04/25/05	80.3	6.60	15.70	0.972	51.60	15.20	<0.5000	12.100	260
Bexar	AY-68-28-210	02/09/05	122.0	9.89	4.63	0.608	15.00	8.64	<0.5000	11.500	364
Bexar	AY-68-28-210	04/26/05	111.0	9.40	3.92	0.613	15.40	12.00	<0.5000	12.300	382
Bexar	AY-68-28-211	01/26/05	11.5	1.15	1.45	0.186	17.30	47.80	<0.5000	4.350	288
Bexar	AY-68-28-314	02/02/05	141.0	6.27	2.85	<0.166	14.40	6.73	<0.5000	6.320	344
Bexar	AY-68-28-315	02/01/05	132.0	4.30	3.37	1.730	9.08	11.40	<0.5000	6.230	302
Bexar	AY-68-28-513	09/23/05	100.0	7.43	7.12	0.808B	16.90	9.71	0.1110	5.260	400
Bexar	AY-68-28-514	04/25/05	112.0	10.60	7.45	0.994	26.80	12.00	<0.5000	12.600	344
Bexar	AY-68-28-515	01/12/05	101.0	9.75	9.90	1.030	18.10	25.40	<0.5000	4.690	368
Bexar	AY-68-28-517	11/16/05	261.0	23.60	11.30	3.190	13.80	13.00	<0.5000	34.000	330
Bexar	AY-68-28-518	12/12/05	133.0	12.90	5.58	0.822	26.70	8.50	<0.5000	14.000	210
Bexar	AY-68-28-519	11/17/05	332.0	22.00	11.00	4.160	14.50	8.14	<0.5000	35.000	355
Bexar	AY-68-28-608	09/23/05	113.0	8.62	5.56	0.895B	14.80	15.40	0.0822B	5.950	390
Bexar	AY-68-28-609	02/07/05	112.0	3.67	3.97	1.810	6.01	7.42	<0.5000	13.700	314
Bexar	AY-68-29-114	01/10/05	121.0	8.24	15.90	1.240	17.90	9.98	<0.5000	6.000	355
Bexar	AY-68-29-114	05/11/05	125.0	10.30	17.10	0.930	25.40	9.71	<0.5000	14.100	422
Bexar	AY-68-29-213	01/20/05	114.0	7.42	19.60	0.991	18.50	10.60	<0.5000	11.700	304
Bexar	AY-68-29-216	11/09/05	282.0	23.70	25.40	3.540	8.90	6.19	<0.5000	33.000	403
Bexar	AY-68-29-415	11/09/05	308.0	28.20	9.56	4.370	15.10	8.04	<0.5000	35.000	411
Bexar	AY-68-36-1DR	12/06/05	307.0	74.00	7.84	4.390	38.10	20.30	<0.5000	63.000	488
Comal	DX-68-16-707	08/22/05	94.8	8.20	17.60	<0.166	7.93	13.50	<0.5000	11.000	367

Table C-2. (cont.) Analytical Data for Major Ions in Water Samples in Water samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
Comal	DX-68-22-901	06/23/05	*85.9	*6.86	*11.30	*0.887	*10.50	*16.20	*0.1550	*19.300	NA
Comal	DX-68-23-304	03/02/05	86.0	10.70	17.90	1.280	17.80	25.10	<0.5000	12.200	277
Comal	DX-68-23-316	06/13/05	*101.0	*6.25	*13.40	*0.942	*9.68	*10.80	*0.1410	*12.700	NA
Comal	DX-68-23-504	06/14/05	*90.9	*10.10	*16.10	*1.330	*15.10	*22.60	*0.2220	*12.400	NA
Comal	DX-68-23-507	11/03/05	99.0	3.10	7.94	0.557	7.67	5.82	<0.5000	13.000	317
Comal	DX-68-23-616A	02/15/05	160.0	302.00	101.00	15.200	498.00	515.00	3.3700	15.500	1770
Comal	DX-68-23-616B	02/15/05	98.8	144.00	62.40	6.260	249.00	273.00	3.2700	13.400	1000
Comal	DX-68-23-617	02/17/05	57.9	9.36	27.00	1.310	16.10	7.42	1.1000	11.800	344
Comal	DX-68-23-618	02/17/05	50.8	23.30	30.70	<0.166	44.90	53.50	2.5600	13.500	576
Comal	DX-68-23-619A	02/15/05	49.0	11.50	28.60	<0.166	21.80	43.90	2.1200	12.800	304
Comal	DX-68-23-619B	02/15/05	58.5	9.14	25.00	0.341	16.60	47.60	1.2700	12.100	260
Comal	DX-68-30-221	08/22/05	105.0	12.90	11.70	<0.166	8.44	15.80	<0.5000	13.000	366
Hays	LR-67-01-303	06/14/05	53.0	7.10	33.80	1.190	9.38	58.50	2.1200	12.300	360
Hays	LR-67-01-303	11/14/05	141.0	24.40	83.20	3.920	9.80	67.20	2.3400	29.000	401
Hays	LR-67-01-805	11/14/05	244.0	35.90	43.20	4.040	17.70	22.80	<0.5000	32.000	350
Hays	LR-67-01-810	11/08/05	98.0	9.80	17.20	1.130	17.40	25.10	0.0900	12.000	348
Hays	LR-67-01-812	02/16/05	912.0	1910.00	455.00	79.000	3890.00	2450.00	<0.5000	14.600	10100
Hays	LR-67-01-813A	02/16/05	883.0	1870.00	446.00	75.300	3860.00	2450.00	2.8000	14.700	9720
Hays	LR-67-01-813B	02/16/05	891.0	1890.00	453.00	80.200	3990.00	2480.00	<0.5000	14.300	10400
Hays	LR-67-01-814A	02/16/05	900.0	1870.00	449.00	74.900	4000.00	2480.00	<0.5000	14.900	10200
Hays	LR-67-01-814B	02/16/05	873.0	1820.00	438.00	76.300	3870.00	2500.00	3.6000	13.900	10400
Hays	LR-67-01-816	12/06/05	240.0	29.80	41.10	3.770	15.60	24.30	<0.5000	32.000	365
Hays	LR-67-09-113	04/19/05	109.0	15.50	17.20	1.670	31.30	43.40	<0.5000	12.100	432
Hays	LR-67-09-1AA	12/14/05	95.0	7.00	17.40	1.030	8.43	18.60	<0.5000	13.000	215
Hays	LR-67-09-1HR	11/14/05	264.0	29.00	47.00	3.630	10.30	16.00	<0.5000	35.000	342

Table C-2. (cont.) Analytical Data for Major Ions in Water Samples in Water samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
Hays	LR-67-09-1SM	05/25/05	96.8	15.40	16.00	2.350	27.90	<0.50	<0.5000	11.900	414
Hays	LR-68-08-902	06/14/05	92.3	11.00	10.90	0.934	24.30	6.10	<0.5000	11.900	296
Hays	LR-68-16-603	05/25/05	93.0	12.30	15.40	1.560	21.00	29.20	<0.5000	11.700	376
Kinney	RP-70-28-3PI	07/28/05	71.7	6.00	5.44	0.288	9.03	5.60	<0.5000	12.900	260
Kinney	RP-70-29-101	06/29/05	*68.4	*5.31	*6.55	*0.779	*8.40	*4.23	*0.1420	*14.700	NA
Kinney	RP-70-36-2EW	07/28/05	98.4	6.40	4.68	0.435	10.70	5.54	<0.5000	13.000	280
Kinney	RP-70-37-502	06/30/05	82.1	8.70	2.67	0.634	19.50	9.73	<0.5000	12.900	312
Kinney	RP-70-37-706	07/29/05	69.2	5.00	5.82	<0.166	7.75	9.97	<0.5000	11.200	174
Kinney	RP-70-37-903	06/30/05	77.7	5.50	3.60	0.642	8.28	6.58	<0.5000	11.100	230
Kinney	RP-70-38-9GV	07/28/05	72.0	5.00	4.68	0.286	7.75	5.97	<0.5000	11.000	190
Kinney	RP-70-45-1DF	06/29/05	86.5	6.40	5.04	1.370	8.22	7.36	<0.5000	13.300	272
Kinney	RP-70-45-505	06/29/05	*76.0	*5.59	*6.43	*0.768	*8.61	*5.71	*0.1250	*12.900	NA
Kinney	RP-70-457-LC	06/30/05	186.0	125.00	56.90	12.900	97.90	516.00	1.7100	13.400	1240
Kinney	RP-70-46-4DH	07/29/05	70.8	11.40	11.90	1.770	12.90	31.50	1.4000	12.200	308
Medina	TD-68-33-502	06/01/05	*65.9	*6.88	*16.10	*1.140	*11.00	*42.70	*0.2200	*11.800	NA
Medina	TD-68-41-102	06/01/05	*65.5	*9.30	*15.00	*0.964	*19.00	*16.00	*0.2110	*12.100	NA
Medina	TD-68-41-303	06/02/05	*66.4	*9.80	*14.70	*0.939	*20.40	*16.00	*0.2160	*11.800	NA
Medina	TD-68-41-901	06/01/05	*62.5	*9.64	*15.80	*0.872	*22.80	*14.30	*0.2450	*11.900	NA
Medina	TD-68-42-113	08/15/05	69.9	10.90	16.40	<0.166	18.80	15.00	<0.5000	11.000	288H
Medina	TD-68-42-506	06/02/05	*63.7	*9.85	*15.20	*0.873	*23.50	*14.00	*0.2270	*11.700	NA
Medina	TD-68-42-806	06/15/05	*67.8	*10.10	*17.10	*0.996	*21.10	*17.50	*1.4900	*13.700	NA
Medina	TD-68-49-201	08/15/05	74.7	11.40	17.50	<0.166	22.30	15.60	<0.5000	12.000	282H
Medina	TD-68-49-301	06/02/05	*54.3	*8.75	*18.70	*0.891	*18.60	*22.70	*0.6160	*12.600	NA
Medina	TD-68-49-501	06/15/05	*69.2	*11.90	*16.20	*0.985	*25.30	*18.50	*0.2690	*12.900	NA
Medina	TD-69-38-906	08/16/05	85.0	9.40	14.00	<0.166	9.52	10.80	<0.5000	12.000	302

Table C-2. (cont.) Analytical Data for Major Ions in Water Samples in Water samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
Medina	TD-69-47-215	08/15/05	45.5	9.30	17.10	2.700	11.30	7.49	<0.5000	7.000	227H
Medina	TD-69-47-303	06/03/05	*62.9	*7.68	*15.70	*0.927	*13.60	*16.50	*0.2200	*12.200	NA
Medina	TD-69-47-305	08/15/05	65.8	9.10	17.50	<0.166	11.20	15.30	<0.5000	11.000	299H
Medina	TD-69-55-604	06/01/05	*72.1	*11.70	*14.60	*0.963	*26.40	*15.80	*0.1880	*12.200	NA
Medina	TD-69-63-103	08/16/05	59.0	13.70	23.00	<0.166	14.50	5920.00	0.8130	18.000	384
Uvalde	UV00446	05/10/05	73.9	10.70	12.40	1.210	21.80	13.10	<0.5000	11.800	230
Uvalde	UV00447	05/10/05	82.0	13.50	13.40	1.070	57.70	13.10	<0.5000	11.800	370
Uvalde	UV00448	05/10/05	70.5	14.80	11.90	0.772	17.30	12.20	<0.5000	11.700	262
Uvalde	UV00572-3	05/10/05	96.3	43.30	11.40	1.410	61.10	40.00	<0.5000	12.600	446
Uvalde	YP-69-34-7SW	09/01/05	76.3	4.00	3.16	<0.166	10.50	3.94	<0.5000	10.000	203
Uvalde	YP-69-35-602	11/07/05	59.0	5.20	18.80	0.849	9.67	12.40	<0.5000	13.000	188
Uvalde	YP-69-36-601	08/31/05	62.1	8.30	14.50	0.611	10.60	18.10	<0.5000	12.000	185
Uvalde	YP-69-36-9AA	08/31/05	63.2	7.90	14.00	0.654	11.60	15.90	<0.5000	11.000	254
Uvalde	YP-69-37-101	11/17/05	161.0	15.80	34.30	3.390	8.60	19.30	<0.5000	35.000	321
Uvalde	YP-69-43-606	07/06/05	*77.2	*11.30	*10.40	*1.010	*22.90	*13.10	*0.1200	*13.600	NA
Uvalde	YP-69-44-108	08/24/05	76.1	7.50	15.10	<0.166	14.70	1.61	<0.5000	11.000	263
Uvalde	YP-69-45-1LV	08/31/05	55.9	13.90	29.50	<0.166	13.20	47.80	2.5200	12.000	349
Medina	YP-69-45-405	06/15/05	*75.1	*8.69	*14.60	*1.020	*12.00	*18.50	*0.2070	*13.500	NA
Uvalde	YP-69-50-207	06/03/05	*80.6	*14.60	*9.84	*0.893	*29.90	*16.40	*0.1370	*12.400	NA
Uvalde	YP-69-50-3BB	05/10/05	90.3	21.30	9.93	1.370	54.60	17.90	<0.5000	12.200	408
Uvalde	YP-69-51-114	07/06/05	*126.0	*42.40	*14.50	*1.300	*94.80	*50.10	*0.5100	*17.400	NA
Uvalde	YP-69-53-701	08/23/05	11.0	21.40	17.90	2.990	48.20	1.61	1.7100	<0.006	164

* = Sample collected by EAA and analyzed by the TWDB

NA = Not Analyzed

H = Sample Analyzed after Holding Time Expired

Table C-3. Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Bromide (mg/L)	Cadmium (mg/L)
Bexar	AY-68-27-305	11/01/05	<0.00022	<0.00084	<0.00073	0.0362	<0.00083	NA	<0.002	<0.00065
Bexar	AY-68-27-307	01/18/05	<0.00022	<0.00084	<0.00073	0.0381	<0.00083	NA	NA	<0.00065
Bexar	AY-68-27-609	01/05/05	0.00061	<0.00084	<0.00073	0.0428	<0.00083	NA	NA	<0.00065
Bexar	AY-68-28-203	04/25/05	<0.00022	<0.00084	<0.00073	0.0548	<0.00083	NA	0.120	<0.00065
Bexar	AY-68-28-205	04/25/05	<0.00022	<0.00084	<0.00073	0.0322	<0.00083	NA	0.054	<0.00065
Bexar	AY-68-28-210	02/09/05	<0.00022	<0.00084	0.00147	0.0578	<0.00083	NA	NA	<0.00065
Bexar	AY-68-28-210	04/26/05	<0.00022	<0.00084	<0.00073	0.0502	<0.00083	NA	0.094	<0.00065
Bexar	AY-68-28-211	01/26/05	<0.00022	<0.00084	<0.00073	0.0471	<0.00083	NA	NA	<0.00065
Bexar	AY-68-28-314	02/02/05	0.00203	<0.00084	<0.00073	0.0693	<0.00083	NA	NA	<0.00065
Bexar	AY-68-28-315	02/01/05	0.00337	<0.00084	<0.00073	0.0384	<0.00083	NA	NA	<0.00065
Bexar	AY-68-28-513	09/23/05	NA	<0.00600	<0.01000	0.0363	<0.0050	NA	NA	<0.0100
Bexar	AY-68-28-514	04/25/05	<0.00022	<0.00084	<0.00073	0.0428	<0.00083	NA	0.082	<0.00065
Bexar	AY-68-28-515	01/12/05	<0.00022	<0.00084	<0.00073	0.0395	<0.00083	NA	NA	<0.00065
Bexar	AY-68-28-517	11/16/05	<0.00022	<0.00084	<0.00073	0.0297	<0.00083	NA	0.015	<0.00065
Bexar	AY-68-28-518	12/12/05	<0.00022	<0.00084	<0.00073	0.0470	<0.00083	NA	<0.002	<0.00065
Bexar	AY-68-28-519	11/17/05	<0.00022	<0.00084	<0.00073	0.0325	<0.00083	NA	<0.002	<0.00065
Bexar	AY-68-28-608	09/23/05	NA	<0.00600	<0.01000	0.0444	<0.0050	NA	NA	<0.0100
Bexar	AY-68-28-609	02/07/05	0.001	<0.00084	<0.00073	0.0404	<0.00083	NA	NA	<0.00065
Bexar	AY-68-29-114	01/10/05	<0.00022	<0.00084	<0.00073	0.0484	<0.00083	NA	NA	<0.00065
Bexar	AY-68-29-114	05/11/05	<0.00022	<0.00084	<0.00073	0.0514	<0.00084	NA	0.176	<0.00065
Bexar	AY-68-29-213	01/20/05	<0.00022	<0.00084	<0.00073	0.0493	<0.00083	NA	NA	<0.00065
Bexar	AY-68-29-216	11/09/05	<0.00022	<0.00084	<0.00073	0.0326	<0.00083	NA	0.034	<0.00065
Bexar	AY-68-29-415	11/09/05	<0.00022	<0.00084	<0.00073	0.0650	<0.00083	NA	0.020	<0.00065

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Bromide (mg/L)	Cadmium (mg/L)
Bexar	AY-68-36-1DR	12/06/05	<0.00022	<0.00084	<0.00073	0.1420	<0.00083	NA	0.3370	<0.00065
Comal	DX-68-16-707	08/22/05	<0.00022	<0.00084	<0.00073	0.0385	<0.00083	NA	0.0840	<0.00065
Comal	DX-68-22-901	06/23/05	*<0.00408	*<0.00102	*<0.00204	*0.0297	*<0.00102	*0.0647	*0.0880	*<0.00102
Comal	DX-68-23-304	03/02/05	0.00045	<0.00084	<0.00073	0.0607	<0.00083	NA	0.0910	<0.00065
Comal	DX-68-23-316	06/13/05	*<0.00408	*<0.00102	*<0.00204	*0.0349	*<0.00102	*0.0638	*0.0580	*<0.00102
Comal	DX-68-23-504	06/14/05	*<0.00408	*<0.00102	*<0.00204	*0.0452	*<0.00102	*0.0886	*0.0860	*<0.00102
Comal	DX-68-23-507	11/03/05	<0.00022	<0.00084	<0.00073	0.0321	<0.00083	NA	<0.0020	<0.00065
Comal	DX-68-30-221	08/22/05	<0.00022	<0.00084	<0.00073	0.0462	<0.00083	NA	0.1180	<0.00065
Hays	LR-67-01-303	06/14/05	<0.00022	<0.00084	<0.00073	0.0868	<0.00083	NA	0.0210	<0.00065
Hays	LR-67-01-303	11/14/05	<0.00022	<0.00084	<0.00073	0.0810	<0.00083	NA	<0.0020	<0.00065
Hays	LR-67-01-805	11/14/05	<0.00022	<0.00084	<0.00073	0.0384	<0.00083	NA	<0.0020	<0.00065
Hays	LR-67-01-810	11/08/05	<0.00022	<0.00084	<0.00073	0.0375	<0.00083	NA	<0.0020	<0.00065
Hays	LR-67-01-816	12/06/05	<0.00022	<0.00084	<0.00073	0.0363	<0.00083	NA	0.0090	<0.00065
Hays	LR-67-09-113	04/19/05	<0.00022	<0.00084	<0.00073	0.0453	<0.00083	NA	0.1520	<0.00065
Hays	LR-67-09-1AA	12/14/05	<0.00022	<0.00084	<0.00073	0.0379	<0.00083	NA	0.0600	<0.00065
Hays	LR-67-09-1HR	11/14/05	<0.00022	<0.00084	<0.00073	0.0343	<0.00083	NA	0.0030	<0.00065
Hays	LR-67-09-1SM	05/25/05	<0.00022	<0.00084	<0.00073	0.0424	<0.00084	NA	0.0050	<0.00065
Hays	LR-68-08-902	06/14/05	<0.00022	<0.00084	<0.00073	0.0323	<0.00083	NA	0.0200	<0.00065
Hays	LR-68-16-603	05/25/05	<0.00022	<0.00084	<0.00073	0.0412	<0.00084	NA	0.1350	<0.00065
Kinney	RP-70-28-3PI	07/28/05	<0.00022	<0.00084	<0.00073	0.0709	<0.00083	NA	0.0540	<0.00065
Kinney	RP-70-29-101	06/29/05	*<0.00408	*<0.00102	*<0.00204	*0.0604	*<0.00102	*0.0736	*0.0570	*<0.00102
Kinney	RP-70-36-2EW	07/28/05	<0.00022	<0.00084	<0.00073	0.0718	<0.00083	NA	0.0510	<0.00065
Kinney	RP-70-37-502	06/30/05	<0.00022	<0.00084	<0.00073	0.0636	<0.00083	NA	0.0500	<0.00065

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Bromide (mg/L)	Cadmium (mg/L)
Kinney	RP-70-37-706	07/29/05	<0.00022	<0.00084	<0.00073	0.3820	<0.00083	NA	0.059	<0.00065
Kinney	RP-70-37-903	06/30/05	<0.00022	<0.00084	<0.00073	0.0581	<0.00083	NA	0.0370	<0.00065
Kinney	RP-70-38-9GV	07/28/05	<0.00022	<0.00084	<0.00073	0.0446	<0.00083	NA	0.0470	<0.00065
Kinney	RP-70-45-1DF	06/29/05	0.05240	<0.00084	0.00075	0.3460	<0.00083	NA	0.0300	<0.00065
Kinney	RP-70-45-505	06/29/05	*<0.00408	*<0.00102	*<0.00204	*0.0369	*<0.00102	*0.0695	*0.0600	*<0.00102
Kinney	RP-70-457-LC	06/30/05	<0.00022	<0.00084	<0.00073	0.0223	<0.00083	NA	<0.0020	<0.00065
Kinney	RP-70-46-4DH	07/29/05	<0.00022	<0.00084	<0.00073	0.0872	<0.00083	NA	0.0940	<0.00065
Medina	TD-68-33-502	06/01/05	*<0.00408	*<0.00102	*<0.00204	*0.0298	*<0.00102	*0.0662	*0.0830	*<0.00102
Medina	TD-68-41-102	06/01/05	*<0.00408	*<0.00102	*<0.00204	*0.0449	*<0.00102	*0.0511	*0.0830	*<0.00102
Medina	TD-68-41-303	06/02/05	*<0.00408	*<0.00102	*<0.00204	*0.0446	*<0.00102	*0.0618	*0.0920	*<0.00102
Medina	TD-68-41-901	06/01/05	*<0.00408	*<0.00102	*<0.00204	*0.0800	*<0.00102	*0.0647	*0.0970	*<0.00102
Medina	TD-68-42-113	08/15/05	<0.00022	0.00092	<0.00073	0.0531	<0.00083	NA	0.1060	<0.00065
Medina	TD-68-42-506	06/02/05	*<0.00408	*<0.00102	*<0.00204	*0.0651	*<0.00102	*0.0609	*0.0970	*<0.00102
Medina	TD-68-42-806	06/15/05	*<0.00408	*<0.00102	*<0.00204	*0.0955	*<0.00102	*0.0805	*0.0870	*<0.00102
Medina	TD-68-49-201	08/15/05	<0.00022	<0.00084	<0.00073	0.1170	<0.00083	NA	0.0670	<0.00065
Medina	TD-68-49-301	06/02/05	*<0.00408	*<0.00102	*<0.00204	*0.1500	*<0.00102	*0.0674	*<0.0200	*<0.00102
Medina	TD-68-49-501	06/15/05	*<0.00408	*<0.00102	*<0.00204	*0.1240	*<0.00102	*0.114	*0.0520	*<0.00102
Medina	TD-69-38-906	08/16/05	<0.00022	<0.00084	<0.00073	0.0477	<0.00083	NA	0.0580	<0.00065
Medina	TD-69-47-215	08/15/05	<0.00022	0.00158	<0.00073	0.1260	<0.00083	NA	0.0710	<0.00065
Medina	TD-69-47-303	06/03/05	*<0.00408	*<0.00102	*<0.00204	*0.0428	*<0.00102	*0.0556	*0.0650	*<0.00102
Medina	TD-69-47-305	08/15/05	<0.00022	<0.00084	<0.00073	0.0414	<0.00083	NA	0.0560	<0.00065
Medina	TD-69-55-604	06/01/05	*<0.00408	*<0.00102	*<0.00204	*0.0526	*<0.00102	*0.0631	*0.1120	*<0.00102
Medina	TD-69-63-103	08/16/05	<0.00022	<0.00084	0.0009	0.1120	<0.00083	NA	0.0540	<0.00065

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Bromide (mg/L)	Cadmium (mg/L)
Uvalde	UV00446	05/10/05	<0.00022	<0.00084	<0.00073	0.0479	<0.00084	NA	0.1720	<0.00065
Uvalde	UV00447	05/10/05	<0.00022	0.00163	<0.00073	0.0725	<0.00084	NA	0.2500	<0.00065
Uvalde	UV00448	05/10/05	<0.00022	<0.00084	<0.00073	0.0473	<0.00084	NA	0.1700	<0.00065
Uvalde	UV00572-3	05/10/05	<0.00022	<0.00084	<0.00073	0.0739	<0.00084	NA	0.2800	<0.00065
Uvalde	YP-69-34-7SW	09/01/05	<0.00022	<0.00084	<0.00073	0.0350	<0.00083	NA	0.0530	<0.00065
Uvalde	YP-69-35-602	11/07/05	<0.00022	<0.00084	<0.00073	0.0348	<0.00083	NA	<0.0020	<0.00065
Uvalde	YP-69-36-601	08/31/05	<0.00022	<0.00084	<0.00073	0.0326	<0.00083	NA	<0.0020	<0.00065
Uvalde	YP-69-36-9AA	08/31/05	<0.00022	<0.00084	<0.00073	0.0331	<0.00083	NA	0.0520	<0.00065
Uvalde	YP-69-37-101	11/17/05	0.00356	<0.00084	<0.00073	0.0289	<0.00083	NA	0.0060	<0.00065
Uvalde	YP-69-43-606	07/06/05	*<0.00408	*<0.00102	*<0.00204	*0.0475	*<0.00102	*0.0801	*0.0980	*<0.00102
Uvalde	YP-69-44-108	08/24/05	<0.00022	<0.00084	<0.00073	0.0416	<0.00083	NA	0.0800	<0.00065
Uvalde	YP-69-45-1LV	08/31/05	<0.00022	<0.00084	<0.00073	0.0810	<0.00083	NA	0.0450	<0.00065
Medina	YP-69-45-405	06/15/05	*<0.00408	*<0.00102	*<0.00204	*0.0379	*<0.00102	*0.1120	*0.0670	*<0.00102
Uvalde	YP-69-50-207	06/03/05	*<0.00408	*<0.00102	*<0.00204	*0.0472	*<0.00102	*0.0732	*0.1230	*<0.00102
Uvalde	YP-69-50-3BB	05/10/05	<0.00022	<0.00084	<0.00073	0.0637	<0.00084	NA	0.2410	<0.00065
Uvalde	YP-69-51-114	07/06/05	*<0.00408	*<0.00102	*<0.00204	*0.1050	*<0.00102	*0.1850	*0.3250	*<0.00102
Uvalde	YP-69-53-701	08/23/05	<0.00022	<0.00084	<0.00073	0.0198	<0.00083	NA	0.2200	<0.00065

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
Bexar	AY-68-27-305	11/01/05	<0.00117	NA	0.00439	0.00546	0.00375	NA	0.00372	<0.00114
Bexar	AY-68-27-307	01/18/05	<0.00117	NA	<0.00090	0.00164	<0.00084	NA	0.00043	<0.00114
Bexar	AY-68-27-609	01/05/05	<0.00117	NA	<0.00090	0.00503	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-28-203	04/25/05	<0.00117	NA	0.00396	0.00268	0.00102	NA	0.00056	<0.00114
Bexar	AY-68-28-205	04/25/05	<0.00117	NA	0.00402	0.00218	0.00602	NA	0.00024	<0.00114
Bexar	AY-68-28-210	02/09/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00031	<0.00114
Bexar	AY-68-28-210	04/26/05	<0.00117	NA	<0.00090	0.00362	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-28-211	01/26/05	<0.00117	NA	<0.00090	0.00150	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-28-314	02/02/05	<0.00117	NA	<0.00090	0.00224	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-28-315	02/01/05	<0.00117	NA	<0.00090	0.00136	<0.00084	NA	0.00017	<0.00114
Bexar	AY-68-28-513	09/23/05	<0.01000	NA	0.0042B	0.0262B	<0.01000	NA	<0.01000	<0.00020
Bexar	AY-68-28-514	04/25/05	<0.00117	NA	0.00374	<0.00074	0.00086	NA	<0.00014	<0.00114
Bexar	AY-68-28-515	01/12/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-28-517	11/16/05	<0.00117	NA	<0.00090	0.00366	<0.00084	NA	<0.00014	0.00170
Bexar	AY-68-28-518	12/12/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-28-519	11/17/05	<0.00117	NA	<0.00090	0.00372	<0.00084	NA	<0.00014	0.00172
Bexar	AY-68-28-608	09/23/05	<0.01000	NA	0.07560	0.0799B	<0.01000	NA	<0.01000	<0.00020
Bexar	AY-68-28-609	02/07/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-29-114	01/10/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-29-114	05/11/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-29-213	01/20/05	<0.00117	NA	<0.00090	0.00224	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-29-216	11/09/05	<0.00117	NA	<0.00090	0.00087	<0.00084	NA	<0.00014	<0.00114
Bexar	AY-68-29-415	11/09/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00018	<0.00114

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
Bexar	AY-68-36-1DR	12/06/05	<0.00117	NA	0.00280	0.00078	0.00100	NA	0.00059	<0.00114
Comal	DX-68-16-707	08/22/05	<0.00117	NA	0.00233	<0.00074	0.00098	NA	<0.00014	<0.00114
Comal	DX-68-22-901	06/23/05	*<0.00102	*<0.00102	*0.00181	*<0.05100	*<0.00102	*<0.00204	*<0.00102	NA
Comal	DX-68-23-304	03/02/05	<0.00117	NA	<0.00090	0.00531	<0.00084	NA	0.00119	<0.00114
Comal	DX-68-23-316	06/13/05	*0.00175	*<0.00102	*<0.00102	*<0.05100	*<0.00102	*0.00205	*<0.00102	NA
Comal	DX-68-23-504	06/14/05	*<0.00102	*<0.00102	*0.00261	*<0.05100	*<0.00102	*0.00544	*<0.00102	NA
Comal	DX-68-23-507	11/03/05	<0.00117	NA	0.00146	0.00353	<0.00084	NA	<0.00014	<0.00114
Comal	DX-68-30-221	08/22/05	<0.00117	NA	0.00307	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hays	LR-67-01-303	06/14/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hays	LR-67-01-303	11/14/05	<0.00117	NA	<0.00090	0.01970	<0.00084	NA	0.00018	<0.00114
Hays	LR-67-01-805	11/14/05	<0.00117	NA	0.00188	<0.00074	0.0009	NA	<0.00014	<0.00114
Hays	LR-67-01-810	11/08/05	<0.00117	NA	0.00104	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hays	LR-67-01-816	12/06/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hays	LR-67-09-113	04/19/05	<0.00117	NA	0.00481	0.05540	<0.00084	NA	0.00116	<0.00114
Hays	LR-67-09-1AA	12/14/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hays	LR-67-09-1HR	11/14/05	<0.00117	NA	0.00150	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hays	LR-67-09-1SM	05/25/05	<0.00117	NA	0.00181	<0.00074	0.00378	NA	<0.00014	<0.00114
Hays	LR-68-08-902	06/14/05	<0.00117	NA	0.0033	<0.00074	0.00221	NA	<0.00014	<0.00114
Hays	LR-68-16-603	05/25/05	<0.00117	NA	0.00183	0.00126	0.00335	NA	<0.00014	<0.00114
Kinney	RP-70-28-3PI	07/28/05	<0.00117	NA	<0.0009	<0.00074	<0.00084	NA	<0.00014	<0.00114
Kinney	RP-70-29-101	06/29/05	*<0.00102	*<0.00102	*0.00185	*<0.05100	*<0.00102	*<0.00204	*<0.00102	NA
Kinney	RP-70-36-2EW	07/28/05	<0.00117	NA	0.00794	<0.00074	0.0012	NA	<0.00014	<0.00114
Kinney	RP-70-37-502	06/30/05	<0.00117	NA	0.00486	0.02890	<0.00084	NA	0.00191	<0.00114

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
Kinney	RP-70-37-706	07/29/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00036	<0.00114
Kinney	RP-70-37-903	06/30/05	<0.00117	NA	0.00175	0.00161	0.00416	NA	0.00021	<0.00114
Kinney	RP-70-38-9GV	07/28/05	<0.00117	NA	0.00308	<0.00074	0.00171	NA	0.00114	<0.00114
Kinney	RP-70-45-1DF	06/29/05	<0.00117	NA	0.00100	0.00406	0.00210	NA	0.00448	<0.00114
Kinney	RP-70-45-505	06/29/05	*<0.00102	*<0.00102	*<0.00102	*<0.05100	*<0.00102	*<0.00204	*<0.00102	NA
Kinney	RP-70-457-LC	06/30/05	<0.00117	NA	<0.00090	0.00394	<0.00084	NA	0.00908	<0.00114
Kinney	RP-70-46-4DH	07/29/05	<0.00117	NA	<0.00090	0.00604	<0.00084	NA	0.00124	<0.00114
Medina	TD-68-33-502	06/01/05	*0.00222	*<0.00102	*0.00190	*<0.05100	*<0.00102	*0.00460	*<0.00102	NA
Medina	TD-68-41-102	06/01/05	*0.00256	*<0.00102	*0.00765	*<0.05100	*0.00136	*0.00347	*<0.00102	NA
Medina	TD-68-41-303	06/02/05	*0.00196	*<0.00102	*0.00218	*<0.05100	*<0.00102	*0.00390	*<0.00102	NA
Medina	TD-68-41-901	06/01/05	*0.00226	*<0.00102	*0.00143	*<0.05100	*<0.00102	*0.00375	*<0.00102	NA
Medina	TD-68-42-113	08/15/05	<0.00117	NA	0.00131	<0.00074	<0.00084	NA	<0.00014	<0.00114
Medina	TD-68-42-506	06/02/05	*0.00218	*<0.00102	*0.00141	*<0.05100	*<0.00102	*0.00358	*<0.00102	NA
Medina	TD-68-42-806	06/15/05	*0.00136	*<0.00102	*0.00267	*<0.05100	*<0.00102	*0.00373	*<0.00102	NA
Medina	TD-68-49-201	08/15/05	<0.00117	NA	0.00175	<0.00074	0.00156	NA	<0.00014	<0.00114
Medina	TD-68-49-301	06/02/05	*0.00192	*<0.00102	*0.00388	*<0.05100	*<0.00102	*0.00443	*<0.00102	NA
Medina	TD-68-49-501	06/15/05	*<0.00102	*<0.00102	*0.00429	*<0.05100	*<0.00102	*0.00419	*<0.00102	NA
Medina	TD-69-38-906	08/16/05	<0.00117	NA	0.00446	<0.00074	0.00368	NA	<0.00014	<0.00114
Medina	TD-69-47-215	08/15/05	<0.00117	NA	<0.00090	1.04000	0.00390	NA	0.00877	<0.00114
Medina	TD-69-47-303	06/03/05	*0.00216	*<0.00102	*0.00192	*<0.05100	*0.00277	*0.00315	*<0.00102	NA
Medina	TD-69-47-305	08/15/05	<0.00117	NA	0.00170	0.00124	<0.00084	NA	<0.00014	<0.00114
Medina	TD-69-55-604	06/01/05	*0.00273	*<0.00102	*0.00222	*<0.05100	*0.00210	*0.00357	*<0.00102	NA
Medina	TD-69-63-103	08/16/05	<0.00117	NA	<0.00090	0.53700	<0.00084	NA	0.012	<0.00114

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
Uvalde	UV00446	05/10/05	<0.00117	NA	<0.00090	<0.00074	0.0015	NA	<0.00014	<0.00114
Uvalde	UV00447	05/10/05	<0.00117	NA	<0.00090	0.00206	<0.00084	NA	<0.00014	<0.00114
Uvalde	UV00448	05/10/05	<0.00117	NA	0.00144	<0.00074	0.00188	NA	<0.00014	<0.00114
Uvalde	UV00572-3	05/10/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Uvalde	YP-69-34-7SW	09/01/05	<0.00117	NA	0.01220	0.00345	0.00313	NA	0.00048	<0.00114
Uvalde	YP-69-35-602	11/07/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Uvalde	YP-69-36-601	08/31/05	<0.00117	NA	0.00119	<0.00074	0.00138	NA	<0.00014	<0.00114
Uvalde	YP-69-36-9AA	08/31/05	<0.00117	NA	<0.00090	0.00973	<0.00084	NA	0.00048	<0.00114
Uvalde	YP-69-37-101	11/17/05	<0.00117	NA	0.00325	0.01240	0.00184	NA	0.00062	0.00163
Uvalde	YP-69-43-606	07/06/05	*0.00361	*<0.00102	*0.00137	*<0.05100	*<0.00102	*0.00266	*<0.00102	NA
Uvalde	YP-69-44-108	08/24/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Uvalde	YP-69-45-1LV	08/31/05	<0.00117	NA	0.00133	0.14000	<0.00084	NA	0.00109	<0.00114
Medina	YP-69-45-405	06/15/05	*<0.00102	*<0.00102	*0.00179	*<0.05100	*<0.00102	*0.00290	*<0.00102	NA
Uvalde	YP-69-50-207	06/03/05	*0.00241	*<0.00102	*0.00295	*<0.05100	*<0.00102	*0.00315	*<0.00102	NA
Uvalde	YP-69-50-3BB	05/10/05	<0.00117	NA	0.00138	<0.00074	0.02860	NA	<0.00014	<0.00114
Uvalde	YP-69-51-114	07/06/05	*0.00483	*<0.00102	*0.03740	*<0.05100	*<0.00102	*0.00902	*0.00164	NA
Uvalde	YP-69-53-701	08/23/05	<0.00117	NA	<0.00090	0.04150	<0.00084	NA	0.09000	<0.00114

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
Bexar	AY-68-27-305	11/01/05	NA	<0.00062	<0.00099	<0.00089	0.2010	<0.00036	NA	3.77000
Bexar	AY-68-27-307	01/18/05	NA	<0.00062	<0.00099	<0.00089	0.1180	<0.00036	NA	0.00857
Bexar	AY-68-27-609	01/05/05	NA	<0.00062	<0.00099	<0.00089	0.2570	<0.00036	NA	0.00080
Bexar	AY-68-28-203	04/25/05	NA	<0.00062	0.00194	<0.00089	0.2010	<0.00036	NA	0.00369
Bexar	AY-68-28-205	04/25/05	NA	<0.00062	0.00142	<0.00089	0.5390	<0.00036	NA	0.05960
Bexar	AY-68-28-210	02/09/05	NA	<0.00062	<0.00099	<0.00089	0.1370	<0.00036	NA	0.00393
Bexar	AY-68-28-210	04/26/05	NA	<0.00062	0.00185	<0.00089	0.1250	<0.00036	NA	<0.00068
Bexar	AY-68-28-211	01/26/05	NA	<0.00062	0.00142	<0.00089	0.2340	<0.00036	NA	0.00167
Bexar	AY-68-28-314	02/02/05	NA	<0.00062	<0.00099	<0.00089	0.0772	<0.00036	NA	0.00198
Bexar	AY-68-28-315	02/01/05	NA	<0.00062	<0.00099	<0.00089	0.0792	<0.00036	NA	<0.00068
Bexar	AY-68-28-513	09/23/05	NA	0.0073B	0.01700	<0.00500	0.2510	<0.00200	NA	0.0079B
Bexar	AY-68-28-514	04/25/05	NA	<0.00062	0.00108	<0.00089	0.2140	<0.00036	NA	0.00552
Bexar	AY-68-28-515	01/12/05	NA	<0.00062	<0.00099	<0.00089	0.2240	<0.00036	NA	0.00149
Bexar	AY-68-28-517	11/16/05	NA	<0.00062	0.00113	<0.00089	0.1020	<0.00036	NA	0.00096
Bexar	AY-68-28-518	12/12/05	NA	<0.00062	<0.00099	<0.00089	0.1280	<0.00036	NA	0.00177
Bexar	AY-68-28-519	11/17/05	NA	<0.00062	0.00102	<0.00089	0.0758	<0.00036	NA	<0.00068
Bexar	AY-68-28-608	09/23/05	NA	0.0095B	0.01600	<0.00500	0.1950	<0.00200	NA	0.01340
Bexar	AY-68-28-609	02/07/05	NA	<0.00062	<0.00099	<0.00089	0.0819	<0.00036	NA	0.00154
Bexar	AY-68-29-114	01/10/05	NA	<0.00062	<0.00099	<0.00089	0.1310	<0.00036	NA	0.00153
Bexar	AY-68-29-114	05/11/05	NA	<0.00062	0.00171	<0.00089	0.1530	0.00039	NA	<0.00068
Bexar	AY-68-29-213	01/20/05	NA	<0.00062	<0.00099	<0.00089	0.1430	<0.00036	NA	0.00259
Bexar	AY-68-29-216	11/09/05	NA	<0.00062	0.00100	<0.00089	0.0931	<0.00036	NA	<0.00068
Bexar	AY-68-29-415	11/09/05	NA	<0.00062	<0.00099	<0.00089	0.0874	<0.00036	NA	0.00208

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
Bexar	AY-68-36-1DR	12/06/05	NA	<0.00062	0.00218	<0.00089	0.3390	<0.00036	NA	0.21000
Comal	DX-68-16-707	08/22/05	NA	<0.00062	<0.00099	<0.00089	0.3920	<0.00036	NA	0.00498
Comal	DX-68-22-901	06/23/05	*<0.00102	NA	*<0.00408	NA	*0.1450	*<0.00102	*0.00226	*0.00489
Comal	DX-68-23-304	03/02/05	NA	0.00086	<0.00099	<0.00089	0.6710	<0.00036	NA	0.01440
Comal	DX-68-23-316	06/13/05	*<0.00102	NA	*<0.00408	NA	*0.1840	*<0.00102	*0.00264	*<0.00408
Comal	DX-68-23-504	06/14/05	*<0.00102	NA	*<0.00408	NA	*0.5110	*<0.00102	*0.00248	*0.00443
Comal	DX-68-23-507	11/03/05	NA	<0.00062	0.00148	<0.00089	0.0844	<0.00036	NA	0.02030
Comal	DX-68-30-221	08/22/05	NA	<0.00062	0.00116	<0.00089	0.2030	<0.00036	NA	0.00441
Hays	LR-67-01-303	06/14/05	NA	<0.00062	<0.00099	<0.00089	32.7000	<0.00036	NA	0.00562
Hays	LR-67-01-303	11/14/05	NA	<0.00062	<0.00099	<0.00089	30.2000	<0.00036	NA	0.00486
Hays	LR-67-01-805	11/14/05	NA	<0.00062	<0.00099	<0.00089	0.4760	<0.00036	NA	0.00195
Hays	LR-67-01-810	11/08/05	NA	<0.00062	0.00104	<0.00089	0.4730	<0.00036	NA	0.00118
Hays	LR-67-01-816	12/06/05	NA	<0.00062	<0.00099	<0.00089	0.5060	<0.00036	NA	0.00205
Hays	LR-67-09-113	04/19/05	NA	<0.00062	0.00137	<0.00089	0.5980	<0.00036	NA	0.01140
Hays	LR-67-09-1AA	12/14/05	NA	<0.00062	0.00102	<0.00089	0.4770	<0.00036	NA	0.00091
Hays	LR-67-09-1HR	11/14/05	NA	<0.00062	0.00111	<0.00089	0.3750	<0.00036	NA	0.00220
Hays	LR-67-09-1SM	05/25/05	NA	<0.00062	0.00151	<0.00089	0.5960	<0.00036	NA	0.00946
Hays	LR-68-08-902	06/14/05	NA	<0.00062	0.00164	<0.00089	0.1420	<0.00036	NA	0.01380
Hays	LR-68-16-603	05/25/05	NA	<0.00062	0.00185	<0.00089	0.5410	<0.00036	NA	0.00553
Kinney	RP-70-28-3PI	07/28/05	NA	<0.00062	0.00151	<0.00089	0.1580	<0.00036	NA	0.00244
Kinney	RP-70-29-101	06/29/05	*<0.00102	NA	*<0.00408	NA	*0.0761	*<0.00102	*0.00466	*0.01870
Kinney	RP-70-36-2EW	07/28/05	NA	<0.00062	<0.00099	<0.00089	0.1940	<0.00036	NA	0.00734
Kinney	RP-70-37-502	06/30/05	NA	<0.00062	0.00141	<0.00089	0.2240	0.00039	NA	0.01460

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
Kinney	RP-70-37-706	07/29/05	NA	<0.00062	0.00305	<0.00089	2.6200	0.00049	NA	0.00234
Kinney	RP-70-37-903	06/30/05	NA	<0.00062	0.00119	<0.00089	0.5140	<0.00036	NA	0.00151
Kinney	RP-70-38-9GV	07/28/05	NA	<0.00062	<0.00099	<0.00089	0.1080	<0.00036	NA	0.16200
Kinney	RP-70-45-1DF	06/29/05	NA	<0.00062	0.00848	<0.00089	0.5220	0.00188	NA	0.00404
Kinney	RP-70-45-505	06/29/05	*<0.00102	NA	*<0.00408	NA	*0.1460	*<0.00102	*0.00382	*<0.00408
Kinney	RP-70-457-LC	06/30/05	NA	<0.00062	0.00115	<0.00089	7.4500	<0.00036	NA	0.00132
Kinney	RP-70-46-4DH	07/29/05	NA	<0.00062	<0.00099	<0.00089	8.4100	<0.00036	NA	0.00119
Medina	TD-68-33-502	06/01/05	*<0.00102	NA	*<0.00408	NA	*0.5510	*<0.00102	*0.00271	*<0.00408
Medina	TD-68-41-102	06/01/05	*<0.00102	NA	*<0.00408	NA	*0.6240	*<0.00102	*0.00356	*0.08740
Medina	TD-68-41-303	06/02/05	*<0.00102	NA	*<0.00408	NA	*0.5010	*<0.00102	*0.00353	*0.00537
Medina	TD-68-41-901	06/01/05	*<0.00102	NA	*<0.00408	NA	*1.4400	*<0.00102	*0.00422	*0.01320
Medina	TD-68-42-113	08/15/05	NA	<0.00062	0.00141	<0.00089	0.5930	<0.00036	NA	0.00656
Medina	TD-68-42-506	06/02/05	*<0.00102	NA	*<0.00408	NA	*1.1700	*<0.00102	*0.00401	*0.00678
Medina	TD-68-42-806	06/15/05	*0.0327	NA	*<0.00408	NA	*2.2500	*<0.00102	*0.0107	*0.01240
Medina	TD-68-49-201	08/15/05	NA	<0.00062	<0.00099	<0.00089	2.0400	<0.00036	NA	0.00687
Medina	TD-68-49-301	06/02/05	*0.00825	NA	*<0.00408	NA	*6.6000	*<0.00102	*0.00796	*0.00910
Medina	TD-68-49-501	06/15/05	*<0.00102	NA	*<0.00408	NA	*2.5600	*<0.00102	*0.00358	*0.01480
Medina	TD-69-38-906	08/16/05	NA	<0.00062	<0.00099	<0.00089	0.2670	<0.00036	NA	0.00606
Medina	TD-69-47-215	08/15/05	NA	<0.00062	<0.00099	<0.00089	0.2920	<0.00036	NA	0.02250
Medina	TD-69-47-303	06/03/05	*<0.00102	NA	*<0.00408	NA	*0.3520	*<0.00102	*0.00357	*0.00793
Medina	TD-69-47-305	08/15/05	NA	<0.00062	<0.00099	<0.00089	0.3210	<0.00036	NA	0.00488
Medina	TD-69-55-604	06/01/05	*<0.00102	NA	*<0.00408	NA	*0.9090	*<0.00102	*0.00395	*<0.00408
Medina	TD-69-63-103	08/16/05	NA	<0.00062	<0.00099	<0.00089	22.8000	<0.00036	NA	0.00311

Table C-3. (cont.) Analytical Data for Metals in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
Uvalde	UV00446	05/10/05	NA	<0.00062	0.00210	<0.00089	0.2660	0.00044	NA	0.00510
Uvalde	UV00447	05/10/05	NA	0.00073	0.00403	<0.00089	0.3220	0.00055	NA	0.01130
Uvalde	UV00448	05/10/05	NA	<0.00062	0.00182	<0.00089	0.2560	<0.00036	NA	0.00493
Uvalde	UV00572-3	05/10/05	NA	<0.00062	0.00335	<0.00089	0.2940	0.00052	NA	0.00130
Uvalde	YP-69-34-7SW	09/01/05	NA	<0.00062	0.00166	<0.00089	0.1020	<0.00036	NA	0.19200
Uvalde	YP-69-35-602	11/07/05	NA	<0.00062	0.00160	<0.00089	0.5740	<0.00036	NA	<0.00068
Uvalde	YP-69-36-601	08/31/05	NA	<0.00062	<0.00099	<0.00089	0.3360	<0.00036	NA	0.00325
Uvalde	YP-69-36-9AA	08/31/05	NA	<0.00062	<0.00099	<0.00089	0.3450	<0.00036	NA	<0.00068
Uvalde	YP-69-37-101	11/17/05	NA	<0.00062	0.00100	<0.00089	0.3300	<0.00036	NA	0.25000
Uvalde	YP-69-43-606	07/06/05	*<0.00102	NA	*<0.00408	NA	*0.3790	*<0.00102	*0.00456	*<0.00408
Uvalde	YP-69-44-108	08/24/05	NA	<0.00062	0.00135	<0.00089	0.3100	<0.00036	NA	<0.00068
Uvalde	YP-69-45-1LV	08/31/05	NA	0.00141	<0.00099	<0.00089	11.2000	<0.00036	NA	0.00375
Medina	YP-69-45-405	06/15/05	*<0.00102	NA	*<0.00408	NA	*0.3440	*<0.00102	*0.00261	*0.00548
Uvalde	YP-69-50-207	06/03/05	*<0.00102	NA	*<0.00408	NA	*0.2390	*<0.00102	*0.00546	*0.00777
Uvalde	YP-69-50-3BB	05/10/05	NA	<0.00062	0.00248	<0.00089	0.2980	0.00064	NA	0.01320
Uvalde	YP-69-51-114	07/06/05	*0.00204	NA	*<0.00408	NA	*3.2400	*<0.00102	*0.00738	*0.06530
Uvalde	YP-69-53-701	08/23/05	NA	<0.00062	<0.00099	<0.00089	5.0200	<0.00036	NA	<0.00068

* = Sample Collected by the Authority and Analyzed by TWDB

NA = Not Analyzed

B = Estimated Result between Method Detection Limit and Reporting Limit

Table C-4. Analytical Data for Nutrients in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Nitrate-N (mg/L)	Orthophosphate (mg/L)	Phosphorus (mg/L)
Bexar	AY-68-27-305	11/01/05	2.1600	NA	NA
Bexar	AY-68-27-307	01/18/05	1.4300	NA	NA
Bexar	AY-68-27-609	01/05/05	<0.1500	NA	NA
Bexar	AY-68-28-203	04/25/05	2.2000	<0.15	NA
Bexar	AY-68-28-205	04/25/05	1.0400	<0.15	NA
Bexar	AY-68-28-210	02/09/05	1.2700	NA	NA
Bexar	AY-68-28-210	04/26/05	1.2800	<0.15	NA
Bexar	AY-68-28-211	01/26/05	<0.1500	NA	NA
Bexar	AY-68-28-314	02/02/05	2.2700	NA	NA
Bexar	AY-68-28-315	02/01/05	<0.1500	NA	NA
Bexar	AY-68-28-513	09/23/05	1.6000	NA	<1.00
Bexar	AY-68-28-514	04/25/05	1.8300	<0.15	NA
Bexar	AY-68-28-515	01/12/05	2.4300	NA	NA
Bexar	AY-68-28-517	11/16/05	2.0500	NA	NA
Bexar	AY-68-28-518	12/12/05	1.5900	NA	NA
Bexar	AY-68-28-519	11/17/05	1.2400	NA	NA
Bexar	AY-68-28-608	09/23/05	1.8500	NA	<1
Bexar	AY-68-28-609	02/07/05	<0.1500	NA	NA
Bexar	AY-68-29-114	01/10/05	<0.1500	NA	NA
Bexar	AY-68-29-114	05/11/05	2.3200	NA	NA
Bexar	AY-68-29-213	01/20/05	2.1300	NA	NA
Bexar	AY-68-29-216	11/09/05	2.3000	NA	NA
Bexar	AY-68-29-415	11/09/05	3.0300	NA	NA
Bexar	AY-68-36-107	07/07/05	NA	NA	NA
Bexar	AY-68-36-1DR	12/06/05	<0.1500	NA	NA
Comal	DX-68-16-707	08/22/05	1.6700	NA	NA
Comal	DX-68-22-901	06/23/05	*2.6600	NA	NA
Comal	DX-68-23-304	03/02/05	1.7200	NA	<0.33
Comal	DX-68-23-316	06/13/05	*1.5880	NA	NA
Comal	DX-68-23-504	06/14/05	*1.8900	NA	NA
Comal	DX-68-23-507	11/03/05	5.3800	NA	NA
Comal	DX-68-23-616A	02/15/05	0.3860	NA	NA
Comal	DX-68-23-616B	02/15/05	<0.1500	NA	NA
Comal	DX-68-23-617	02/17/05	0.7250	NA	NA
Comal	DX-68-23-618	02/17/05	<0.1500	NA	NA
Comal	DX-68-23-619A	02/15/05	<0.1500	NA	NA
Comal	DX-68-23-619B	02/15/05	0.4180	NA	NA
Comal	DX-68-30-221	08/22/05	4.7400	NA	NA

Table C-4. (cont.) Analytical Data for Nutrients in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Nitrate-N (mg/L)	Orthophosphate (mg/L)	Phosphorus (mg/L)
Hays	LR-67-01-303	06/14/05	<0.1500	NA	NA
Hays	LR-67-01-303	11/14/05	<0.1500	NA	NA
Hays	LR-67-01-805	11/14/05	<0.1500	NA	NA
Hays	LR-67-01-810	11/08/05	1.3000	NA	NA
Hays	LR-67-01-812	02/16/05	6.7300	NA	NA
Hays	LR-67-01-813A	02/16/05	<0.1500	NA	NA
Hays	LR-67-01-813B	02/16/05	<0.1500	NA	NA
Hays	LR-67-01-814A	02/16/05	<0.1500	NA	NA
Hays	LR-67-01-814B	02/16/05	<0.1500	NA	NA
Hays	LR-67-01-816	12/06/05	1.3500	NA	NA
Hays	LR-67-09-113	04/19/05	1.6600	<0.15	NA
Hays	LR-67-09-1AA	12/14/05	1.1000	NA	NA
Hays	LR-67-09-1HR	11/14/05	<0.1500	NA	NA
Hays	LR-67-09-1SM	05/25/05	1.8900	NA	NA
Hays	LR-68-08-902	06/14/05	1.0400	NA	NA
Hays	LR-68-08-902	09/22/05	NA	NA	NA
Hays	LR-68-16-603	05/25/05	1.6700	NA	NA
Kinney	RP-70-28-3PI	07/28/05	1.6700	NA	NA
Kinney	RP-70-29-101	06/29/05	*2.6320	NA	NA
Kinney	RP-70-36-2EW	07/28/05	1.9600	NA	NA
Kinney	RP-70-37-502	06/30/05	2.9700	NA	NA
Kinney	RP-70-37-706	07/29/05	1.3500	NA	NA
Kinney	RP-70-37-903	06/30/05	1.3000	NA	NA
Kinney	RP-70-38-9GV	07/28/05	1.1600	NA	NA
Kinney	RP-70-45-1DF	06/29/05	<0.1500	NA	NA
Kinney	RP-70-45-505	06/29/05	*1.4540	NA	NA
Kinney	RP-70-457-LC	06/30/05	<0.1500	NA	NA
Kinney	RP-70-46-4DH	07/29/05	0.4080	NA	NA
Medina	TD-68-33-502	06/01/05	*0.7206	NA	NA
Medina	TD-68-41-102	06/01/05	*2.0130	NA	NA
Medina	TD-68-41-303	06/02/05	*2.0740	NA	NA
Medina	TD-68-41-901	06/01/05	*2.1220	NA	NA
Medina	TD-68-42-113	08/15/05	1.7700	NA	NA
Medina	TD-68-42-506	06/02/05	*2.2630	NA	NA
Medina	TD-68-42-806	06/15/05	*1.2400	NA	NA
Medina	TD-68-49-201	08/15/05	1.9100	NA	NA
Medina	TD-68-49-301	06/02/05	*1.2870	NA	NA

Table C-4. (cont.) Analytical Data for Nutrients in Water Samples from Wells Completed in the Edwards Aquifer, 2005

County	State Well Number	Date Sampled	Nitrate-N (mg/L)	Orthophosphate (mg/L)	Phosphorus (mg/L)
Medina	TD-68-49-501	06/15/05	*2.2320	NA	NA
Medina	TD-69-38-906	08/16/05	3.6300	NA	NA
Medina	TD-69-47-215	08/13/05	NA	NA	NA
Medina	TD-69-47-215	08/15/05	0.7800	NA	NA
Medina	TD-69-47-301	08/15/05	NA	NA	NA
Medina	TD-69-47-303	06/03/05	*1.5180	NA	NA
Medina	TD-69-47-305	08/15/05	1.5000	NA	NA
Medina	TD-69-47-305	08/15/05	NA	NA	NA
Medina	TD-69-55-604	06/01/05	*2.7520	NA	NA
Medina	TD-69-63-103	08/16/05	<0.1500	NA	NA
Uvalde	UV00446	05/10/05	2.5000	NA	NA
Uvalde	UV00447	05/10/05	3.4800	NA	NA
Uvalde	UV00448	05/10/05	3.1100	NA	NA
Uvalde	UV00572-3	05/10/05	6.7300	NA	NA
Uvalde	YP-69-34-7SW	09/01/05	<0.1500	NA	NA
Uvalde	YP-69-35-602	11/07/05	1.0900	NA	NA
Uvalde	YP-69-36-601	08/31/05	1.4000	NA	NA
Uvalde	YP-69-36-9AA	08/31/05	1.6400	NA	NA
Uvalde	YP-69-37-101	11/17/05	0.7650	NA	NA
Uvalde	YP-69-43-606	07/06/05	*2.5350	NA	NA
Uvalde	YP-69-44-108	08/24/05	1.4000	NA	NA
Uvalde	YP-69-45-1LV	08/31/05	<0.1500	NA	NA
Medina	YP-69-45-405	06/15/05	*1.5540	NA	NA
Uvalde	YP-69-50-207	06/03/05	*3.0340	NA	NA
Uvalde	YP-69-50-3BB	05/10/05	5.0100	NA	NA
Uvalde	YP-69-51-114	07/06/05	*7.3400	NA	NA
Uvalde	YP-69-53-701	08/23/05	<0.1500	NA	NA

NA = Not Analyzed

* = Sample Collected by the Authority and Analyzed by TWDB

Table C-5. Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	Alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)
AY-68-27-305	11/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-307	01/18/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-27-609	01/05/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-210	02/09/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-210	04/26/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-211	01/26/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-314	02/02/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-315	02/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-513	09/23/05	NA	<0.050	<0.050	<0.050	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-515	01/12/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-517	11/16/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-518	12/12/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-519	11/17/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-28-608	09/23/05	NA	<0.050	<0.050	<0.050	<0.50	<0.50	<0.50	<0.50	<0.50
AY-68-28-609	02/07/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-114	01/10/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-114	05/11/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-213	01/20/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
AY-68-29-216	11/09/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	Alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)
AY-68-29-415	11/09/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
DX-68-23-304	03/02/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
DX-68-23-507	11/03/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-805	11/14/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-810	11/08/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-01-816	12/06/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-113	04/19/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1AA	12/14/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
LR-67-09-1HR	11/14/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
RP-70-37-706	07/29/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-34-7SW	09/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-35-602	11/07/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-36-601	08/31/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-36-9AA	08/31/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-37-101	11/17/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-44-108	08/24/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-45-1LV	08/31/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-51-114	12/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00
YP-69-53-701	08/23/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00	<1.00

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos-methyl (µg/L)	Bentazon (µg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)	Chloro-pyrifos (µg/L)	Coumaphos (µg/L)
AY-68-27-305	11/01/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
AY-68-27-307	01/18/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-27-609	01/05/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-28-210	02/09/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-28-210	04/26/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
AY-68-28-211	01/26/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-28-314	02/02/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-28-315	02/01/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-28-513	09/23/05	<0.50	<0.50	<2.00	<1.00	<2.0	<0.050	<1.00	<1.00	<1.00
AY-68-28-515	01/12/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-28-517	11/16/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
AY-68-28-518	12/12/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
AY-68-28-519	11/17/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
AY-68-28-608	09/23/05	<0.50	<0.50	<2.00	<1.00	<2.0	<0.050	<1.00	<1.00	<1.00
AY-68-28-609	02/07/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-29-114	01/10/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-29-114	05/11/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
AY-68-29-213	01/20/05	<1.00	<1.00	<2.40	<0.10	NA	<0.013	NA	<0.05	NA
AY-68-29-216	11/09/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos-methyl (µg/L)	Bentazon (µg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)	Chloro-pyrifos (µg/L)	Coumaphos (µg/L)
AY-68-29-415	11/09/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
DX-68-23-304	03/02/05	<1.00	<1.00	<2.40	<0.50	NA	<0.013	NA	<0.50	NA
DX-68-23-507	11/03/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
LR-67-01-805	11/14/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
LR-67-01-810	11/08/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
LR-67-01-816	12/06/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
LR-67-09-113	04/19/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
LR-67-09-1AA	12/14/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
LR-67-09-1HR	11/14/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
RP-70-37-706	07/29/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-34-7SW	09/01/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-35-602	11/07/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-36-601	08/31/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-36-9AA	08/31/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-37-101	11/17/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-44-108	08/24/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-45-1LV	08/31/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-51-114	12/01/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30
YP-69-53-701	08/23/05	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50	<0.50	<0.30

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	2,4-D (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)	Diazinon (µg/L)	Dichloro- vos (µg/L)	Dieldrin (µg/L)
AY-68-27-305	11/01/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-27-307	01/18/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-27-609	01/05/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-28-210	02/09/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-28-210	04/26/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-211	01/26/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-28-314	02/02/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-28-315	02/01/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-28-513	09/23/05	<0.50	<0.100	<0.100	<0.100	<0.050	<2.50	<1.00	<2.00	<0.100
AY-68-28-515	01/12/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-28-517	11/16/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-518	12/12/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-519	11/17/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-28-608	09/23/05	<0.50	<0.100	<0.100	<0.100	<0.050	<2.50	<1.00	<2.00	NA
AY-68-28-609	02/07/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-29-114	01/10/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-29-114	05/11/05	<50.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
AY-68-29-213	01/20/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.40	<0.50	NA	<0.025
AY-68-29-216	11/09/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	2,4-D (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)	Diazinon (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)
AY-68-29-415	11/09/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
DX-68-23-304	03/02/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	NA	<0.025
DX-68-23-507	11/03/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
LR-67-01-805	11/14/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
LR-67-01-810	11/08/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
LR-67-01-816	12/06/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
LR-67-09-113	04/19/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
LR-67-09-1AA	12/14/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
LR-67-09-1HR	11/14/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
RP-70-37-706	07/29/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-34-7SW	09/01/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-35-602	11/07/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-36-601	08/31/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-36-9AA	08/31/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-37-101	11/17/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-44-108	08/24/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-45-1LV	08/31/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-51-114	12/01/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025
YP-69-53-701	08/23/05	<100.00	<0.020	<0.007	<0.022	<0.011	<0.50	<0.40	<0.40	<0.025

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Dimethoate (µg/L)	Dinoseb (µg/L)	Disulfoton (µg/L)	Endosulfan I (µg/L)	Endo-sulfan II (µg/L)	Endosulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)
AY-68-27-305	11/01/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-27-307	01/18/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-27-609	01/05/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-210	02/09/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-210	04/26/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-211	01/26/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-314	02/02/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-315	02/01/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-513	09/23/05	<2.000	<6.0	<2.00	<0.050	<0.100	<0.100	<0.100	<0.100	<0.100
AY-68-28-515	01/12/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-517	11/16/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-518	12/12/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-519	11/17/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-28-608	09/23/05	<2.000	<6.0	<2.00	<0.050	<0.100	<0.100	<0.100	<0.100	<0.100
AY-68-28-609	02/07/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-29-114	01/10/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-29-114	05/11/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-29-213	01/20/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Dimethoate (µg/L)	Dinoseb (µg/L)	Disulfoton (µg/L)	Endosulfan I (µg/L)	Endo-sulfan II (µg/L)	Endosulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)
AY-68-29-216	11/09/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
AY-68-29-415	11/09/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
DX-68-23-304	03/02/05	NA	NA	NA	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
DX-68-23-507	11/03/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
LR-67-01-805	11/14/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
LR-67-01-810	11/08/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
LR-67-01-816	12/06/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
LR-67-09-113	04/19/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
LR-67-09-1AA	12/14/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
LR-67-09-1HR	11/14/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
RP-70-37-706	07/29/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-34-7SW	09/01/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-35-602	11/07/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-36-601	08/31/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-36-9AA	08/31/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-37-101	11/17/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-44-108	08/24/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-45-1LV	08/31/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-51-114	12/01/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129
YP-69-53-701	08/23/05	<0.400	<100.0	<0.40	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	EPN (µg/L)	Ethoprop (µg/L)	Fensulfothion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)
AY-68-27-305	11/01/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
AY-68-27-307	01/18/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-27-609	01/05/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-28-210	02/09/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-28-210	04/26/05	<0.400	<0.70	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50
AY-68-28-211	01/26/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-28-314	02/02/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-28-315	02/01/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-28-513	09/23/05	<1.000	<0.50	<5.00	<1.00	<0.050	<0.050	<0.050	<0.050	<1.00
AY-68-28-515	01/12/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-28-517	11/16/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
AY-68-28-518	12/12/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
AY-68-28-519	11/17/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
AY-68-28-608	09/23/05	<1.000	<0.50	<5.00	<1.00	<0.050	<0.050	<0.050	<0.050	<1.00
AY-68-28-609	02/07/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-29-114	01/10/05	NA	NA	NA	NA	<0.012	NA	<0.010	<0.015	<0.10
AY-68-29-114	05/11/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
AY-68-29-213	01/20/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.10
AY-68-29-216	11/09/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	EPN (µg/L)	Ethoprop (µg/L)	Fensulfothion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)
AY-68-29-415	11/09/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
DX-68-23-304	03/02/05	NA	NA	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.50
DX-68-23-507	11/03/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
LR-67-01-805	11/14/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
LR-67-01-810	11/08/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
LR-67-01-816	12/06/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
LR-67-09-113	04/19/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
LR-67-09-1AA	12/14/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
LR-67-09-1HR	11/14/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
RP-70-37-706	07/29/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-34-7SW	09/01/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-35-602	11/07/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-36-601	08/31/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-36-9AA	08/31/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-37-101	11/17/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-44-108	08/24/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-45-1LV	08/31/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-51-114	12/01/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50
YP-69-53-701	08/23/05	<0.400	<0.70	<0.70	<0.30	<0.012	NA	<0.010	<0.015	<0.50

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Merphos (µg/L)	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
AY-68-27-305	11/01/05	<0.300	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
AY-68-27-307	01/18/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-27-609	01/05/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-28-210	02/09/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-28-210	04/26/05	<0.300	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
AY-68-28-211	01/26/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-28-314	02/02/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-28-315	02/01/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-28-513	09/23/05	<1.000	<0.500	<0.50	NA	<10.	<5.00	<1.00	<1.00	<1.00
AY-68-28-515	01/12/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-28-517	11/16/05	<0.300	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
AY-68-28-518	12/12/05	<0.300	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
AY-68-28-519	11/17/05	<0.300	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
AY-68-28-608	09/23/05	<1.000	<0.500	<0.50	NA	<10.00	<5.00	<1.00	<1.00	<1.00
AY-68-28-609	02/07/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-29-114	01/10/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA
AY-68-29-114	05/11/05	<0.300	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
AY-68-29-213	01/20/05	NA	<0.008	<0.50	<0.030	NA	NA	<0.10	<1.29	NA

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Merphos (µg/L)	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
AY-68-29-216	11/09/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
AY-68-29-415	11/09/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
DX-68-23-304	03/02/05	NA	<0.008	<0.50	<0.03	NA	NA	<0.50	<1.29	NA
DX-68-23-507	11/03/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
LR-67-01-805	11/14/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
LR-67-01-810	11/08/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
LR-67-01-816	12/06/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
LR-67-09-113	04/19/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
LR-67-09-1AA	12/14/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
LR-67-09-1HR	11/14/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
RP-70-37-706	07/29/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-34-7SW	09/01/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-35-602	11/07/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-36-601	08/31/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-36-9AA	08/31/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-37-101	11/17/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-44-108	08/24/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-45-1LV	08/31/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-51-114	12/01/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
YP-69-53-701	08/23/05	<0.300	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Picloram (µg/L)	Ronnel (µg/L)	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (µg/L)	TEPP (µg/L)	Tokuthion (µg/L)	Total PCBs (µg/L)
AY-68-27-305	11/01/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
AY-68-27-307	01/18/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-27-609	01/05/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-28-210	02/09/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-28-210	04/26/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
AY-68-28-211	01/26/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-28-314	02/02/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-28-315	02/01/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-28-513	09/23/05	<0.50	<1.00	<2.00	<1.00	<0.50	<0.50	NA	<1.00	NA
AY-68-28-515	01/12/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-28-517	11/16/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
AY-68-28-518	12/12/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
AY-68-28-519	11/17/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
AY-68-28-608	09/23/05	<0.50	<1.00	<2.00	<1.00	<0.50	<0.50	NA	<1.00	NA
AY-68-28-609	02/07/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-29-114	01/10/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-29-114	05/11/05	<100.00	<0.40	<0.30	<0.40	<0.40	<100.00	<0.400	<0.40	<7.00
AY-68-29-213	01/20/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
AY-68-29-216	11/09/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Picloram (µg/L)	Ronnel (µg/L)	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (µg/L)	TEPP (µg/L)	Tokuthion (µg/L)	Total PCBs (µg/L)
AY-68-29-415	11/09/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
DX-68-23-304	03/02/05	NA	NA	NA	NA	NA	NA	NA	NA	<7.00
DX-68-23-507	11/03/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
LR-67-01-805	11/14/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
LR-67-01-810	11/08/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
LR-67-01-816	12/06/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
LR-67-09-113	04/19/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	NA
LR-67-09-1AA	12/14/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
LR-67-09-1HR	11/14/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
RP-70-37-706	07/29/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-34-7SW	09/01/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-35-602	11/07/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-36-601	08/31/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-36-9AA	08/31/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-37-101	11/17/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-44-108	08/24/05	<100.00	<0.40	<0.30	<0.40	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-45-1LV	08/31/05	<100.00	<0.40	<0.30	<0.4	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-51-114	12/01/05	<100.00	<0.40	<0.30	<0.4	<0.40	<50.00	<0.400	<0.40	<7.00
YP-69-53-701	08/23/05	<100.00	<0.40	<0.30	<0.4	<0.40	<50.00	<0.400	<0.40	<7.00

Table C-5. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Toxaphene (µg/L)	2,4,5-TP (µg/L)	Trichloro-nate (µg/L)
AY-68-27-305	11/01/05	<0.770	<50.00	<0.40
AY-68-27-307	01/18/05	<0.770	<100.00	NA
AY-68-27-609	01/05/05	<0.770	<100.00	NA
AY-68-28-210	02/09/05	<0.770	<100.00	NA
AY-68-28-210	04/26/05	<0.770	<50.00	<0.40
AY-68-28-211	01/26/05	<0.770	<100.00	NA
AY-68-28-314	02/02/05	<0.770	<100.00	NA
AY-68-28-315	02/01/05	<0.770	<100.00	NA
AY-68-28-513	09/23/05	<0.600	<0.50	<1.00
AY-68-28-515	01/12/05	<0.770	<100.00	NA
AY-68-28-517	11/16/05	<0.770	<50.00	<0.40
AY-68-28-518	12/12/05	<0.770	<50.00	<0.40
AY-68-28-519	11/17/05	<0.770	<50.00	<0.40
AY-68-28-608	09/23/05	<0.600	<0.50	<1.00
AY-68-28-609	02/07/05	<0.770	<100.00	NA
AY-68-29-114	01/10/05	<0.770	<100.00	NA
AY-68-29-114	05/11/05	<0.770	<50.00	<0.40
AY-68-29-213	01/20/05	<0.770	<100.00	NA
AY-68-29-216	11/09/05	<0.770	<50.00	<0.40

Table C-5. (cont.) Analytical Data for Pesticides,
Herbicides, and PCB (Aroclors) in Water Samples from
Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Toxaphene (µg/L)	2,4,5-TP (µg/L)	Trichloro- nate (µg/L)
AY-68-29-415	11/09/05	<0.770	<50.00	<0.40
DX-68-23-304	03/02/05	<0.770	<100.00	NA
DX-68-23-507	11/03/05	<0.770	<50.00	<0.40
LR-67-01-805	11/14/05	<0.770	<50.00	<0.40
LR-67-01-810	11/08/05	<0.770	<50.00	<0.40
LR-67-01-816	12/06/05	<0.770	<50.00	<0.40
LR-67-09-113	04/19/05	NA	<50.00	<0.40
LR-67-09-1AA	12/14/05	<0.770	<50.00	<0.40
LR-67-09-1HR	11/14/05	<0.770	<50.00	<0.40
RP-70-37-706	07/29/05	<0.770	<50.00	<0.40
YP-69-34-7SW	09/01/05	<0.770	<50.00	<0.40
YP-69-35-602	11/07/05	<0.770	<50.00	<0.40
YP-69-36-601	08/31/05	<0.770	<50.00	<0.40
YP-69-36-9AA	08/31/05	<0.770	<50.00	<0.40
YP-69-37-101	11/17/05	<0.770	<50.00	<0.40
YP-69-44-108	08/24/05	<0.770	<50.00	<0.40
YP-69-45-1LV	08/31/05	<0.770	<50.00	<0.40
YP-69-51-114	12/01/05	<0.770	<50.00	<0.40
YP-69-53-701	08/23/05	<0.770	<50.00	<0.40

Table C-6. Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)	Bromobenzene (µg/L)
AY-68-27-305	11/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-27-307	01/18/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-27-609	01/05/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-210	02/09/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-210	04/26/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-211	01/26/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-314	02/02/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-315	02/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-513	09/23/05	<20.00	NA	NA	NA	NA	<1	NA	NA	NA
AY-68-28-515	01/12/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-517	11/16/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-518	12/12/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-519	11/17/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-608	09/23/05	<20.00	NA	NA	NA	NA	<1	NA	NA	NA
AY-68-28-609	02/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-28-702	07/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-29-114	01/10/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-29-114	05/11/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-29-213	01/20/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-29-216	11/09/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-29-415	11/09/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-36-107	07/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
AY-68-36-1DR	12/06/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)	Bromobenzene (µg/L)
DX-68-23-304	03/02/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
DX-68-23-507	11/03/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
LR-67-01-805	11/14/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
LR-67-01-810	11/08/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
LR-67-01-816	12/06/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
LR-67-09-113	04/19/05	<4.97	<5.00	<5.00	<5.00	<5.00	43R	<5.00	<5.00	<1.27
LR-67-09-113	09/22/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
LR-67-09-1AA	12/14/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
LR-67-09-1HR	11/14/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
RP-70-37-706	07/29/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
TD-69-47-215	08/13/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
TD-69-47-301	08/15/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
TD-69-47-305	08/15/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-34-7SW	09/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-35-602	11/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-36-601	08/31/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-36-9AA	08/31/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-37-101	11/17/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-44-108	08/24/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-45-1LV	08/31/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-51-114	12/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27
YP-69-53-701	08/23/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00	<1.27

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Butanone (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)
AY-68-27-305	11/01/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-27-307	01/18/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-27-609	01/05/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-210	02/09/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-210	04/26/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-211	01/26/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-314	02/02/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-315	02/01/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-513	09/23/05	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	NA	<1.00
AY-68-28-515	01/12/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-517	11/16/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-518	12/12/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-519	11/17/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-608	09/23/05	<1.00	<1.00	<1.00	<2.00	<5.00	<1.00	<1.00	NA	<1.00
AY-68-28-609	02/07/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-28-702	07/07/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-29-114	01/10/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-29-114	05/11/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.91	<5.00	<1.56
AY-68-29-213	01/20/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-29-216	11/09/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-29-415	11/09/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-36-107	07/07/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
AY-68-36-1DR	12/06/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Butanone (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)
DX-68-23-304	03/02/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
DX-68-23-507	11/03/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
LR-67-01-805	11/14/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
LR-67-01-810	11/08/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
LR-67-01-816	12/06/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
LR-67-09-113	04/19/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
LR-67-09-113	09/22/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
LR-67-09-1AA	12/14/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
LR-67-09-1HR	11/14/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
RP-70-37-706	07/29/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
TD-69-47-215	08/13/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
TD-69-47-301	08/15/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
TD-69-47-305	08/15/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-34-7SW	09/01/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-35-602	11/07/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-36-601	08/31/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-36-9AA	08/31/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-37-101	11/17/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-44-108	08/24/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-45-1LV	08/31/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-51-114	12/01/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56
YP-69-53-701	08/23/05	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908	<5.00	<1.56

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Chloro-ethane (µg/L)	2-Chloro-ethyl vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)	Cyclo-hexane (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	1,3-Dichloro-propene (µg/L)
AY-68-27-305	11/01/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-27-307	01/18/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-27-609	01/05/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-210	02/09/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-210	04/26/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-211	01/26/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-314	02/02/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-315	02/01/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-513	09/23/05	<2.00	NA	<1.00	<2.00	NA	NA	<10	<1.00	NA
AY-68-28-515	01/12/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-517	11/16/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-518	12/12/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-519	11/17/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-608	09/23/05	<2.00	NA	<1.00	<2.00	NA	NA	<10	<1.00	NA
AY-68-28-609	02/07/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-28-702	07/07/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-29-114	01/10/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-29-114	05/11/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-29-213	01/20/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-29-216	11/09/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-29-415	11/09/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-36-107	07/07/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
AY-68-36-1DR	12/06/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Chloro-ethane (µg/L)	2-Chloro-ethyl vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)	Cyclohexane (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	1,3-Dichloro-propene (µg/L)
DX-68-23-304	03/02/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
DX-68-23-507	11/03/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
LR-67-01-805	11/14/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
LR-67-01-810	11/08/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
LR-67-01-816	12/06/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
LR-67-09-113	04/19/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
LR-67-09-113	09/22/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
LR-67-09-1AA	12/14/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
LR-67-09-1HR	11/14/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
RP-70-37-706	07/29/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
TD-69-47-215	08/13/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
TD-69-47-301	08/15/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
TD-69-47-305	08/15/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-34-7SW	09/01/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-35-602	11/07/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-36-601	08/31/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-36-9AA	08/31/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-37-101	11/17/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-44-108	08/24/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-45-1LV	08/31/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-51-114	12/01/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00
YP-69-53-701	08/23/05	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90	NA	<1.68	<5.00

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo-3-chloro-propane (µg/L)	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)
AY-68-27-305	11/01/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-27-307	01/18/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-27-609	01/05/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-210	02/09/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-210	04/26/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-211	01/26/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-314	02/02/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-315	02/01/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-513	09/23/05	<1.00	<1.00	<1.00	<1.00	NA	<2.000	<1.00	<1.00	<1.00
AY-68-28-515	01/12/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-517	11/16/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-518	12/12/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-519	11/17/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-608	09/23/05	<1.00	<1.00	<1.00	<1.00	NA	<2.000	<1.00	<1.00	<1.00
AY-68-28-609	02/07/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-28-702	07/07/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-29-114	01/10/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-29-114	05/11/05	<1.38	<2.14	<1.44	<0.42	<0.57	<0.700	<1.24	<1.20	<1.09
AY-68-29-213	01/20/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-29-216	11/09/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-29-415	11/09/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-36-107	07/07/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
AY-68-36-1DR	12/06/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo-3-chloro-propane (µg/L)	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)
DX-68-23-304	03/02/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
DX-68-23-507	11/03/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
LR-67-01-805	11/14/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
LR-67-01-810	11/08/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
LR-67-01-816	12/06/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
LR-67-09-113	04/19/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
LR-67-09-113	09/22/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
LR-67-09-1AA	12/14/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
LR-67-09-1HR	11/14/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
RP-70-37-706	07/29/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
TD-69-47-215	08/13/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
TD-69-47-301	08/15/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
TD-69-47-305	08/15/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-34-7SW	09/01/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-35-602	11/07/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-36-601	08/31/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-36-9AA	08/31/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-37-101	11/17/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-44-108	08/24/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-45-1LV	08/31/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-51-114	12/01/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09
YP-69-53-701	08/23/05	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24	<1.20	<1.09

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)	1,3-Dichloropropane (µg/L)	2,2-Dichloropropane (µg/L)	1,1-Dichloropropene (µg/L)	Ethylbenzene (µg/L)	Hexachloro-butadiene (µg/L)
AY-68-27-305	11/01/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-27-307	01/18/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-27-609	01/05/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-210	02/09/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-210	04/26/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-211	01/26/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-314	02/02/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-315	02/01/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-513	09/23/05	<1.00	<1.000	<1.00	<1.00	NA	NA	NA	<1.00	<10.00
AY-68-28-515	01/12/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-517	11/16/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-518	12/12/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-519	11/17/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-608	09/23/05	<1.00	<1.000	<1.00	<1.00	NA	NA	NA	<1.00	<10.00
AY-68-28-609	02/07/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-28-702	07/07/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-29-114	01/10/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-29-114	05/11/05	<1.45	<0.670	<0.88	<1.22	<0.65	<1.28	<1.23	<1.24	<3.41
AY-68-29-213	01/20/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-29-216	11/09/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-29-415	11/09/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-36-107	07/07/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
AY-68-36-1DR	12/06/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexachloro-butadiene (µg/L)
DX-68-23-304	03/02/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
DX-68-23-507	11/03/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
LR-67-01-805	11/14/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
LR-67-01-810	11/08/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
LR-67-01-816	12/06/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
LR-67-09-113	04/19/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
LR-67-09-113	09/22/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
LR-67-09-1AA	12/14/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
LR-67-09-1HR	11/14/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
RP-70-37-706	07/29/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
TD-69-47-215	08/13/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
TD-69-47-301	08/15/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
TD-69-47-305	08/15/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-34-7SW	09/01/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-35-602	11/07/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-36-601	08/31/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-36-9AA	08/31/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-37-101	11/17/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-44-108	08/24/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-45-1LV	08/31/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-51-114	12/01/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41
YP-69-53-701	08/23/05	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28	<1.23	<1.24	<3.41

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	2-Hexanone (µg/L)	Iodo-methane (µg/L)	Isopropyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	m,p-Xylene (µg/L)	Methyl-tert-butyl ether (µg/L)	4-Methyl-2-pentanone (µg/L)	Methyl-ene Chloride (µg/L)	Naphthalene (µg/L)
AY-68-27-305	11/01/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-27-307	01/18/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-27-609	01/05/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-210	02/09/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-210	04/26/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-211	01/26/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-314	02/02/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-315	02/01/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-513	09/23/05	<5	NA	<10	NA	NA	<5	<5	<2	<10
AY-68-28-515	01/12/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-517	11/16/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-518	12/12/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-519	11/17/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-608	09/23/05	<5	NA	<10	NA	NA	<5	<5	<2	<10
AY-68-28-609	02/07/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-28-702	07/07/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-29-114	01/10/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-29-114	05/11/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-29-213	01/20/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-29-216	11/09/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-29-415	11/09/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-36-107	07/07/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
AY-68-36-1DR	12/06/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	2-Hexanone (µg/L)	Iodo-methane (µg/L)	Isopropyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	m,p-Xylene (µg/L)	Methyl-tert-butyl ether (µg/L)	4-Methyl-2-pentanone (µg/L)	Methyl-ene Chloride (µg/L)	Naphthalene (µg/L)
DX-68-23-304	03/02/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
DX-68-23-507	11/03/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
LR-67-01-805	11/14/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
LR-67-01-810	11/08/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
LR-67-01-816	12/06/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
LR-67-09-113	04/19/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
LR-67-09-113	09/22/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
LR-67-09-1AA	12/14/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
LR-67-09-1HR	11/14/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
RP-70-37-706	07/29/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
TD-69-47-215	08/13/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
TD-69-47-301	08/15/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
TD-69-47-305	08/15/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-34-7SW	09/01/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-35-602	11/07/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-36-601	08/31/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-36-9AA	08/31/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-37-101	11/17/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-44-108	08/24/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-45-1LV	08/31/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-51-114	12/01/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96
YP-69-53-701	08/23/05	<9.60	<2.40	<1.10	<1.29	<2.88	<0.50	<12.6	<1.75	<3.96

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)	sec-Butyl-benzene (µg/L)	Syrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)
AY-68-27-305	11/01/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-27-307	01/18/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-27-609	01/05/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-210	02/09/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-210	04/26/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-211	01/26/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-314	02/02/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-315	02/01/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-515	01/12/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-517	11/16/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-518	12/12/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-519	11/17/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-609	02/07/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-28-702	07/07/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-29-114	01/10/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-29-114	05/11/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10.0	<1.42
AY-68-29-213	01/20/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-29-216	11/09/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-29-415	11/09/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-36-107	07/07/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
AY-68-36-1DR	12/06/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)	sec-Butyl-benzene (µg/L)	Syrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)
DX-68-23-304	03/02/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
DX-68-23-507	11/03/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
LR-67-01-805	11/14/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
LR-67-01-810	11/08/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
LR-67-01-816	12/06/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
LR-67-09-113	04/19/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
LR-67-09-113	09/22/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
LR-67-09-1AA	12/14/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
LR-67-09-1HR	11/14/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
RP-70-37-706	07/29/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
TD-69-47-215	08/13/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
TD-69-47-301	08/15/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
TD-69-47-305	08/15/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-34-7SW	09/01/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-35-602	11/07/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-36-601	08/31/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-36-9AA	08/31/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-37-101	11/17/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-44-108	08/24/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-45-1LV	08/31/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-51-114	12/01/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42
YP-69-53-701	08/23/05	<5.00	<2.23	<1.22	<1.28	<1.39	<1.37	<1.28	<10	<1.42

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)
AY-68-27-305	11/01/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-27-307	01/18/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-27-609	01/05/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-210	02/09/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-210	04/26/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-211	01/26/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-314	02/02/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-315	02/01/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-513	09/23/05	<1	<1	<1	<1	<1	NA	<1	<1	<1
AY-68-28-515	01/12/05	<0.629	<1.35	1.68	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-517	11/16/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-518	12/12/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-519	11/17/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-608	09/23/05	<1	<1	<1	<1	<1	NA	<1	<1	<1
AY-68-28-609	02/07/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-28-702	07/07/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-29-114	01/10/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-29-114	05/11/05	<0.63	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.80
AY-68-29-213	01/20/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-29-216	11/09/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-29-415	11/09/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-36-107	07/07/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
AY-68-36-1DR	12/06/05	<0.629	30.5	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)	Toluene (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)
DX-68-23-304	03/02/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
DX-68-23-507	11/03/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
LR-67-01-805	11/14/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
LR-67-01-810	11/08/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
LR-67-01-816	12/06/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
LR-67-09-113	04/19/05	<0.629	<1.35	27.4R	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
LR-67-09-113	09/22/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
LR-67-09-1AA	12/14/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
LR-67-09-1HR	11/14/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
RP-70-37-706	07/29/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
TD-69-47-215	08/13/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
TD-69-47-301	08/15/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
TD-69-47-305	08/15/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-34-7SW	09/01/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-35-602	11/07/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-36-601	08/31/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-36-9AA	08/31/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-37-101	11/17/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-44-108	08/24/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-45-1LV	08/31/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-51-114	12/01/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799
YP-69-53-701	08/23/05	<0.629	<1.35	<1.18	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)	1,2,3-Trichloro-propane (µg/L)	1,1,2-Trichloro-trifluoro-ethane (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)
AY-68-27-305	11/01/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-27-307	01/18/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-27-609	01/05/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-210	02/09/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-210	04/26/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-211	01/26/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-314	02/02/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-315	02/01/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-513	09/23/05	<1	<10	NA	<50	NA	NA	NA	<1
AY-68-28-515	01/12/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-517	11/16/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-518	12/12/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-519	11/17/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-608	09/23/05	<1	<10	NA	<50	NA	NA	NA	<1
AY-68-28-609	02/07/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-28-702	07/07/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-29-114	01/10/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-29-114	05/11/05	<1.30	<0.47	<2.80	NA	<1.50	<1.38	<28.3	<1.27
AY-68-29-213	01/20/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-29-216	11/09/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-29-415	11/09/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-36-107	07/07/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
AY-68-36-1DR	12/06/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27

Table C-6. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)	1,2,3-Trichloro-propane (µg/L)	1,1,2-Trichloro-trifluoro-ethane (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)
DX-68-23-304	03/02/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
DX-68-23-507	11/03/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
LR-67-01-805	11/14/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
LR-67-01-810	11/08/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
LR-67-01-816	12/06/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
LR-67-09-113	04/19/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
LR-67-09-113	09/22/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
LR-67-09-1AA	12/14/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
LR-67-09-1HR	11/14/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
RP-70-37-706	07/29/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
TD-69-47-215	08/13/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
TD-69-47-301	08/15/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
TD-69-47-305	08/15/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-34-7SW	09/01/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-35-602	11/07/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-36-601	08/31/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-36-9AA	08/31/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-37-101	11/17/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-44-108	08/24/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-45-1LV	08/31/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-51-114	12/01/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27
YP-69-53-701	08/23/05	<1.30	<0.471	<2.8	NA	<1.5	<1.38	<28.3	<1.27

NA = Not Analyzed

R = Analysis Rejected Because of Quality-Control Problems

Table C-7. Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Acena-phthene (µg/L)	Acena-phthylene (µg/L)	Aniline (µg/L)	Anthracene (µg/L)	Azobenzene (µg/L)	Ben-zidine (µg/L)	Benzo(a) anthracene (µg/L)	Benzo(a) pyrene (µg/L)	Benzo(b) fluor-anthene (µg/L)
AY-68-27-305	11/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-307	01/18/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-27-609	01/05/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-210	02/09/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-210	04/26/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-211	01/26/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-314	02/02/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-315	02/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-513	09/23/05	<10.00	<10.00	NA	<10.00	NA	NA	<10.00	<10.00	<10.00
AY-68-28-515	01/12/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-28-608	09/23/05	<10.00	<10.00	NA	<10.00	NA	NA	<10.00	<10.00	<10.00
AY-68-28-609	02/07/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-29-114	01/10/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-29-114	05/11/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
AY-68-29-213	01/20/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
DX-68-23-304	03/02/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
DX-68-23-507	11/03/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
LR-67-09-113	04/19/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
RP-70-37-706	07/29/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
YP-69-34-7SW	09/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
YP-69-36-601	08/31/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
YP-69-36-9AA	08/31/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
YP-69-44-108	08/24/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
YP-69-45-1LV	08/31/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54
YP-69-53-701	08/23/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01	<1.54

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Benzo (g,h,l) perylene (µg/L)	Benzo (k) fluor-anthene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	Bis (2-chloro-ethoxy) methane (µg/L)	Bis (2-chloro-ethyl-) ether (µg/L)	Bis (2-chloro-isopropyl-) ether (µg/L)	Bis (2-ethyl-hexyl) adipate (µg/L)	Bis (2-ethyl-hexyl) phthalate (µg/L)
AY-68-27-305	11/01/05	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-307	01/18/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-27-609	01/05/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-210	02/09/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-210	04/26/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-211	01/26/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-314	02/02/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-315	02/01/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-513	09/23/05	<10.00	<10.00	NA	NA	<10.00	<10.00	NA	NA	3J
AY-68-28-515	01/12/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-28-608	09/23/05	<10.00	<10.00	NA	NA	<10.00	<10.00	NA	NA	<10.00
AY-68-28-609	02/07/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-29-114	01/10/05	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-29-114	05/11/05	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
AY-68-29-213	01/20/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
DX-68-23-304	03/02/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
DX-68-23-507	11/03/05	<1.12	<1.05	<1.00	<0.54	<0.86	<0.72	<1.66	<2.77	<1.77
LR-67-09-113	04/19/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
RP-70-37-706	07/29/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
YP-69-34-7SW	09/01/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
YP-69-36-601	08/31/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
YP-69-36-9AA	08/31/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
YP-69-44-108	08/24/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
YP-69-45-1LV	08/31/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77
YP-69-53-701	08/23/05	<1.12	<1.05	<1.00	<5.00	<0.86	<0.72	<1.66	<2.77	<1.77

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	4-Bromo-phenyl ether (µg/L)	Butyl benzyl phthalate (µg/L)	4-Chloro-3-methyl-phenol (µg/L)	4-Chloro-aniline (µg/L)	2-Chloro-naphthalene (µg/L)	2-Chloro-phenol (µg/L)	4-Chloro-phenyl ether (µg/L)	Chrysene (µg/L)	Cresols (total) (µg/L)
AY-68-27-305	11/01/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-27-307	01/18/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-27-609	01/05/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-28-210	02/09/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-28-210	04/26/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-28-211	01/26/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-28-314	02/02/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-28-315	02/01/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-28-513	09/23/05	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.000	<10.00	NA
AY-68-28-515	01/12/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-28-608	09/23/05	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.000	<10.00	NA
AY-68-28-609	02/07/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-29-114	01/10/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-29-114	05/11/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
AY-68-29-213	01/20/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
DX-68-23-304	03/02/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
DX-68-23-507	11/03/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
LR-67-09-113	04/19/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
RP-70-37-706	07/29/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
YP-69-34-7SW	09/01/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
YP-69-36-601	08/31/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
YP-69-36-9AA	08/31/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
YP-69-44-108	08/24/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
YP-69-45-1LV	08/31/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02
YP-69-53-701	08/23/05	<0.95	<2.08	<0.73	<0.75	<1.20	<0.74	<1.060	<1.01	<2.02

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Dibenz(a,h) anthracene (µg/L)	Dibenz(a,j) acridine (µg/L)	Dibenzo-furan (µg/L)	3,3'-Dichloro-benzidine (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	2,4-Dichloro-phenol (µg/L)	2,6-Dichloro-phenol (µg/L)
AY-68-27-305	11/01/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-27-307	01/18/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-27-609	01/05/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-28-210	02/09/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-28-210	04/26/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-28-211	01/26/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-28-314	02/02/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-28-315	02/01/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-28-513	09/23/05	<10.00	NA	<10.00	<20.00	<1.00	<1.00	<1.00	<10.00	NA
AY-68-28-515	01/12/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-28-608	09/23/05	<10.00	NA	<10.00	<20.00	<1.00	<1.00	<1.00	<10.00	NA
AY-68-28-609	02/07/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-29-114	01/10/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-29-114	05/11/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
AY-68-29-213	01/20/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
DX-68-23-304	03/02/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
DX-68-23-507	11/03/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
LR-67-09-113	04/19/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
RP-70-37-706	07/29/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
YP-69-34-7SW	09/01/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
YP-69-36-601	08/31/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
YP-69-36-9AA	08/31/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
YP-69-44-108	08/24/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
YP-69-45-1LV	08/31/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91
YP-69-53-701	08/23/05	<1.20	<5.00	<0.99	<2.59	<1.24	<1.20	<1.09	<0.98	<0.91

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Diethyl-phthalate (µg/L)	Dimethyl-phthalate (µg/L)	2,4-Dimethyl-phenol (µg/L)	Di-n-butyl phthalate (µg/L)	4,6-Dinitro-2-methyl-phenol (µg/L)	2,4-Dinitro-phenol (µg/L)	2,4-Dinitro-toluene (µg/L)	2,6-Dinitro-toluene (µg/L)	Di-n-octyl phthalate (µg/L)
AY-68-27-305	11/01/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-27-307	01/18/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-27-609	01/05/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-28-210	02/09/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-28-210	04/26/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-28-211	01/26/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-28-314	02/02/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-28-315	02/01/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-28-513	09/23/05	<10.00	<10.00	<10.00	<10.00	<50.00	<50.00	<10.00	<10.00	<10.00
AY-68-28-515	01/12/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-28-608	09/23/05	<10.00	<10.00	<10.00	<10.00	<50.00	<50.00	<10.00	<10.00	<10.00
AY-68-28-609	02/07/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-29-114	01/10/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-29-114	05/11/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
AY-68-29-213	01/20/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
DX-68-23-304	03/02/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
DX-68-23-507	11/03/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
LR-67-09-113	04/19/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
RP-70-37-706	07/29/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
YP-69-34-7SW	09/01/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
YP-69-36-601	08/31/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
YP-69-36-9AA	08/31/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
YP-69-44-108	08/24/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
YP-69-45-1LV	08/31/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58
YP-69-53-701	08/23/05	<1.10	<0.86	<0.37	<1.07	<1.21	<0.12	<1.11	<1.19	<2.58

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Fluor-anthene (µg/L)	Fluorene (µg/L)	Hexa-chloro-benzene (µg/L)	Hexa-chloro-butadiene (µg/L)	Hexa-chloro-cyclopenta-diene (µg/L)	Hexa-chloro-ethane (µg/L)	Indeno (1,2,3-cd) pyrene (µg/L)	Iso-phorone (µg/L)	2-Methyl-naphthalene (µg/L)
AY-68-27-305	11/01/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-27-307	01/18/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-27-609	01/05/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-28-210	02/09/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-28-210	04/26/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-28-211	01/26/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-28-314	02/02/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-28-315	02/01/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-28-513	09/23/05	<10.00	<10.000	<10.00	<10.00	<20.00	<10.00	<10.00	<10.00	<10.00
AY-68-28-515	01/12/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-28-608	09/23/05	<10.00	<10.000	<10.00	<10.00	<20.00	<10.00	<10.00	<10.00	<10.00
AY-68-28-609	02/07/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-29-114	01/10/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-29-114	05/11/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
AY-68-29-213	01/20/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
DX-68-23-304	03/02/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
DX-68-23-507	11/03/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
LR-67-09-113	04/19/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
RP-70-37-706	07/29/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
YP-69-34-7SW	09/01/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
YP-69-36-601	08/31/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
YP-69-36-9AA	08/31/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
YP-69-44-108	08/24/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
YP-69-45-1LV	08/31/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01
YP-69-53-701	08/23/05	<0.95	<1.150	<1.01	<3.41	<0.81	<1.03	<1.12	<0.80	<1.01

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	2-Methyl-phenol (µg/L)	4-Methyl-phenol (µg/L)	M&P Cresol (µg/L)	Naphthalene (µg/L)	2-Nitro-aniline (µg/L)	3-Nitro-aniline (µg/L)	4-Nitro-aniline (µg/L)	Nitro-benzene (µg/L)	2-Nitro-phenol (µg/L)
AY-68-27-305	11/01/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-27-307	01/18/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-27-609	01/05/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-28-210	02/09/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-28-210	04/26/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-28-211	01/26/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-28-314	02/02/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-28-315	02/01/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-28-513	09/23/05	<10.00	NA	<10.00	<10.00	<50.00	<50.00	<50.00	<10.00	<10.00
AY-68-28-515	01/12/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-28-608	09/23/05	<10.00	NA	<10.00	<10.00	<50.00	<50.00	<50.00	<10.00	<10.00
AY-68-28-609	02/07/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-29-114	01/10/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-29-114	05/11/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
AY-68-29-213	01/20/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
DX-68-23-304	03/02/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
DX-68-23-507	11/03/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
LR-67-09-113	04/19/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
RP-70-37-706	07/29/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
YP-69-34-7SW	09/01/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
YP-69-36-601	08/31/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
YP-69-36-9AA	08/31/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
YP-69-44-108	08/24/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
YP-69-45-1LV	08/31/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13
YP-69-53-701	08/23/05	<1.04	<0.98	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	4-Nitro-phenol (µg/L)	n-Nitro-sodiethyl-amine (µg/L)	n-Nitro-sodimethyl-amine (µg/L)	n-Nitro-sodi-n-propyl-amine (µg/L)	n-Nitro-sodiphenyl-amine (µg/L)	Penta-chloro-benzene (µg/L)	Penta-chloro-phenol (µg/L)	Phenan-threne (µg/L)	Phenol (µg/L)
AY-68-27-305	11/01/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
AY-68-27-307	01/18/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-27-609	01/05/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-28-210	02/09/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-28-210	04/26/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	0.41
AY-68-28-211	01/26/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-28-314	02/02/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-28-315	02/01/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-28-513	09/23/05	<50.00	NA	NA	<10.00	<10.00	NA	<50.00	<10.00	<10.00
AY-68-28-515	01/12/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-28-608	09/23/05	<50.00	NA	NA	<10.00	<10.00	NA	<50.00	<10.00	<10.00
AY-68-28-609	02/07/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-29-114	01/10/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
AY-68-29-114	05/11/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
AY-68-29-213	01/20/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
DX-68-23-304	03/02/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
DX-68-23-507	11/03/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	0.79
LR-67-09-113	04/19/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	0.33
RP-70-37-706	07/29/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
YP-69-34-7SW	09/01/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
YP-69-36-601	08/31/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
YP-69-36-9AA	08/31/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
YP-69-44-108	08/24/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
YP-69-45-1LV	08/31/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
YP-69-53-701	08/23/05	<0.20	<2.00	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27

Table C-7. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water samples from Wells Completed in the Edwards Aquifer, 2005

State Well Number	Date Sampled	Pronamide (µg/L)	Pyrene (µg/L)	Pyridine (µg/L)	1,2,4-Trichloro-benzene (µg/L)	2,4,5-Trichloro-phenol (µg/L)	2,4,6-Trichloro-phenol (µg/L)	o,o,o-Triethyl-phosphoro-thioate (µg/L)
AY-68-27-305	11/01/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-27-307	01/18/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-27-609	01/05/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-28-210	02/09/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-28-210	04/26/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-28-211	01/26/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-28-314	02/02/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-28-315	02/01/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-28-513	09/23/05	<10	<10.00	NA	<1.00	<10.00	<10.00	<10
AY-68-28-515	01/12/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-28-608	09/23/05	<10	<10.00	NA	<1.00	<10.00	<10.00	<10
AY-68-28-609	02/07/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-29-114	01/10/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-29-114	05/11/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
AY-68-29-213	01/20/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
DX-68-23-304	03/02/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
DX-68-23-507	11/03/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
LR-67-09-113	04/19/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
RP-70-37-706	07/29/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
YP-69-34-7SW	09/01/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
YP-69-36-601	08/31/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
YP-69-36-9AA	08/31/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
YP-69-44-108	08/24/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
YP-69-45-1LV	08/31/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA
YP-69-53-701	08/23/05	NA	<2.28	<0.51	<3.23	<1.42	<1.16	NA

NA = Not Analyzed

J = Estimated Result between Method Detection Limit and Reporting Limit

Table C-8. Field Measurements, Bacteria Counts, and Dissolved Oxygen in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

County	Station Name	Date Sampled	Time Sampled	Water Temp (° C)	Field Conductivity (µS/cm)	Field pH (std units)	Field Alkalinity (mg/L)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
Bexar	San Antonio Springs	03/03/05	09:25	24.00	494	7.32	227	0.25	4.65
Bexar	San Antonio Springs	06/09/05	09:05	25.00	493	7.22	233	0.23	4.43
Bexar	San Antonio Springs	09/01/05	09:35	24.30	494	7.30	237	0.22	6.18
Bexar	San Antonio Springs	12/01/05	10:00	24.20	494	7.28	228	0.10	NR
Bexar	San Pedro Springs	03/09/05	09:55	23.90	527	7.47	251	0.59	4.30
Bexar	San Pedro Springs	06/09/05	08:25	24.00	508	7.13	233	0.53	4.06
Bexar	San Pedro Springs	09/01/05	08:35	24.10	514	7.27	243	0.30	5.68
Bexar	San Pedro Springs	12/01/05	08:50	23.80	513	7.25	218	0.24	NR
Comal	Comal Springs #1 (DX-68-23-301)	02/28/05	11:00	21.20	565	6.39	270	0.13	3.67
Comal	Comal Springs #1 (DX-68-23-301)	06/08/05	09:10	23.40	560	7.15	275	0.36	3.77
Comal	Comal Springs #1 (DX-68-23-301)	08/29/05	09:10	23.30	557	7.00	5.87	288.00	0.11
Comal	Comal Springs #1 (DX-68-23-301)	11/30/05							
Comal	Comal Springs #7	03/01/05	11:45	23.70	565	7.37	272	0.13	3.31
Comal	Comal Springs #7	06/08/05	09:55	23.70	562	7.14	255	0.23	3.72
Comal	Comal Springs #7	08/29/05	10:05	23.80	565	7.15	275	0.08	7.15
Comal	Comal Springs #7	11/30/05							
Comal	Hueco Springs A (DX-68-15-901)	03/01/05	10:10	20.70	624	6.40	292	2.64	4.49
Comal	Hueco Springs A (DX-68-15-901)	06/07/05	09:00	21.30	602	6.87	297	3.99	NR
Comal	Hueco Springs A (DX-68-15-901)	08/30/05	09:05	22.20	604	6.97	303	2.75	5.65

Table C-8. (cont.) Field Measurements, Bacteria Counts, and Dissolved Oxygen in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

County	Station Name	Date Sampled	Time Sampled	Water Temp (° C)	Field Conductivity (µS/cm)	Field pH (std units)	Field Alkalinity (mg/L)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
Comal	Hueco Springs A (DX-68-15-901)	11/29/05	10:05	21.30	608	7.04	280	0.67	NR
Comal	Hueco Springs B	03/01/05	10:35	21.00	622	7.17	274	2.57	7.17
Comal	Hueco Springs B	06/07/05	09:20	21.40	600	6.85	304	4.07	NR
Comal	Hueco Springs B	08/30/05	09:40	22.40	635	6.98	307	2.43	7.07
Comal	Hueco Springs B	11/29/05	11:00	18.50	610	7.24	296	1.84	NR
Hays	San Marcos Springs-Deep (LR-67-01-819)	03/07/05	10:15	21.90	615	7.187	295	0.47	3.57
Hays	San Marcos Springs-Deep (LR-67-01-819)	06/06/05	10:30	23.30	613	7.07	291	0.07	3.41
Hays	San Marcos Springs-Deep (LR-67-01-819)	09/01/05	14:00	25.20	611	7.17	294	0.08	4.69
Hays	San Marcos Springs-Deep (LR-67-01-819)	11/28/05	09:40	21.30	631	7.11	298	0.23	NR
Hays	San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	09:50	21.40	617	7.13	283	0.16	3.11
Hays	San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	09:05	21.60	608	6.98	302	0.24	3.22
Hays	San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	09:05	21.60	599	7.09	270	0.11	4.35
Hays	San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	10:15	21.50	599	7.22	278	0.16	NR
Kinney	Pinto Springs at Mariposa	6/30/05	11:40	24.20	492	7.03	243	4.32	2.40
Kinney	Pinto Springs at Shahans	07/29/05	12:20	27.70	467	8.13	248	5.96	
Kinney	Las Moras Springs (RP-70-45-501)	06/29/05	11:20	23.30	428	7.12	204	0.14	2.48

Table C-8. (cont.) Field Measurements, Bacteria Counts, and Dissolved Oxygen in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

County	Station Name	Date Sampled	Time Sampled	Fecal Coliform (colonies/ 100ml)	Fecal Strep (colonies/ 100ml)	Biochemical Oxygen Demand (mg/L)
Bexar	San Antonio Springs	03/03/05	09:25	<2	<2	NA
Bexar	San Antonio Springs	06/09/05	09:05	<2	<2	NA
Bexar	San Antonio Springs	09/01/05	09:35	<2	<2	NA
Bexar	San Antonio Springs	12/01/05	10:00	5	<2	NA
						NA
Bexar	San Pedro Springs	03/09/05	09:55	35	16	NA
Bexar	San Pedro Springs	06/09/05	08:25	6	21	NA
Bexar	San Pedro Springs	09/01/05	08:35	42	30	NA
Bexar	San Pedro Springs	12/01/05	08:50	84	38	NA
						NA
Comal	Comal Springs #1 (DX-68-23-301)	02/28/05	11:00	<2	<2	NA
Comal	Comal Springs #1 (DX-68-23-301)	06/08/05	09:10	<2	26	NA
Comal	Comal Springs #1 (DX-68-23-301)	08/29/05	09:10	<2	2	NA
Comal	Comal Springs #1 (DX-68-23-301)	11/30/05		<2	<2	NA
						NA
Comal	Comal Springs #7	03/01/05	11:45	2	2	NA
Comal	Comal Springs #7	06/08/05	09:55	<2	<2	NA
Comal	Comal Springs #7	08/29/05	10:05	<2	30	NA
Comal	Comal Springs #7	11/30/05	11:00	<2	<2	NA
Comal	Comal Springs #3	11/30/05	10:00	<2	<2	NA
Comal	Hueco Springs A (DX-68-15-901)	03/01/05	10:10	46	56	NA
Comal	Hueco Springs A (DX-68-15-901)	06/07/05	09:00	500	883	NA
Comal	Hueco Springs A (DX-68-15-901)	08/30/05	09:05	10	10	NA

Table C-8. (cont.) Field Measurements, Bacteria Counts, and Dissolved Oxygen in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005)

County	Station Name	Date Sampled	Time Sampled	Fecal Coliform (colonies/ 100ml)	Fecal Strep (colonies/ 100ml)	Biochemical Oxygen Demand (mg/L)
Comal	Hueco Springs A (DX-68-15-901)	11/29/05	10:05	28	12	NA
						NA
Comal	Hueco Springs B	03/01/05	10:35	58	92	NA
Comal	Hueco Springs B	06/07/05	09:20	390	800	NA
Comal	Hueco Springs B	08/30/05	09:40	9	<2	NA
Comal	Hueco Springs B	11/29/05	11:00	3720	834	NA
						NA
Hays	San Marcos Springs-Deep (LR-67-01-819)	03/07/05	10:15	<2	116	NA
Hays	San Marcos Springs-Deep (LR-67-01-819)	06/06/05	10:30	<2	<2	NA
Hays	San Marcos Springs-Deep (LR-67-01-819)	09/01/05	14:00	2	4	NA
Hays	San Marcos Springs-Deep (LR-67-01-819)	11/28/05	09:40	<2	<2	NA
						NA
Hays	San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	0950	<2	4	NA
Hays	San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	09:05	<2	<2	NA
Hays	San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	09:05	34	35	NA
Hays	San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	10:15	9	12	NA
						NA
Kinney	Pinto Springs at Mariposa	6/30/05	11:40	NA	NA	NA
Kinney	Pinto Springs at Shahans	07/29/05	12:20	NA	NA	NA
Kinney	Las Moras Springs (RP-70-45-501)	06/29/05	11:20	NA	NA	NA

Table C-8. (cont.) Field Measurements, Bacterial Counts, and Dissolved Oxygen in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone, 2005

County	Station Name	Date Sampled	Time Sampled	Water Temp (°C)	Field Conductivity (µS/cm)	Field pH (std units)	Field Alkalinity (mg/L)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
Hays	Blanco River at Wimberley [8171000]	05/05/05	09:45	20.2	486	7.99	239	1.65	6.41
Hays	Blanco River at Wimberley [8171000]	10/11/05	10:00	20.5	490	8.51	228	0.65	8.02
Medina	Hondo Creek near Tarpley [8200000]	05/04/05	09:30	19.6	461	7.82	232	0.22	6.03
Medina	Hondo Creek near Tarpley [8200000]	10/06/05	12:25	26.0	377	7.67	167	0.51	4.18
Medina	Medina River at Bandera [8178880]	05/06/05	09:50	20.2	563	7.98	233	2.58	5.59
Medina	Medina River at Bandera [8178880]	10/07/05	10:20	22.5	564	6.98	215	5.28	4.25
Medina	Seco Creek at Miller Ranch [8201500]	05/03/05	14:15	24.1	411	8.09	192	0.79	6.44
Medina	Seco Creek at Miller Ranch [8201500]	10/06/05	11:00	26.4	361	7.69	130	9.62	8.31
Uvalde	Dry Frio River at Reagan Wells [8196000]	05/03/05	08:35	19.8	403	7.38	194	0.29	4.80
Uvalde	Dry Frio River at Reagan Wells[8196000]	10/04/05	13:15	27.7	8.1	7.98	195	0.27	8.10
Uvalde	Frio River at Concan [8195000]	05/03/05	09:30	20.3	417	7.96	208	0.34	5.63
Uvalde	Frio River at Concan [8195000]	10/04/05	12:50	26.8	399	7.92	203	0.27	7.15
Uvalde	Nueces River at Laguna [8190000]	05/02/05	11:55	19.9	415	7.86	189	0.27	5.23
Uvalde	Nueces River at Laguna [8190000]	10/05/05	13:35	26.7	413	7.99	213	0.87	7.45
Uvalde	Sabinal River near Sabinal [8198000]	05/03/05	10:40	19.9	453	7.93	220	0.57	5.88
Uvalde	Sabinal River near Sabinal [8198000]	10/05/05	09:35	26.2	428	7.75	214	0.39	6.28

Table C-8. (cont.) Field Measurements, Bacterial Counts, and Dissolved Oxygen in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone, 2005

County	Station Name	Date Sampled	Time Sampled	Fecal Coliform (colonies/ 100ml)	Fecal Strep (colonies/ 100ml)	Biochemical Oxygen Demand (mg/L)
Hays	Blanco River at Wimberley [8171000]	05/05/05	09:45	84	95	NA
Hays	Blanco River at Wimberley [8171000]	10/11/05	10:00	300	285	NA
Medina	Hondo Creek near Tarpley [8200000]	05/04/05	09:30	98	218	NA
Medina	Hondo Creek near Tarpley [8200000]	10/06/05	12:25	44	77	NA
Medina	Medina River at Bandera [8178880]	05/06/05	09:50	97	93	NA
Medina	Medina River at Bandera [8178880]	10/07/05	10:20	102	175	NA
Medina	Seco Creek at Miller Ranch [8201500]	05/03/05	14:15	86	17	NA
Medina	Seco Creek at Miller Ranch [8201500]	10/06/05	11:00	540	98	NA
Uvalde	Dry Frio River at Reagan Wells [8196000]	05/03/05	08:35	33	66	NA
Uvalde	Dry Frio River at Reagan Wells [8196000]	10/04/05	13:15	NA	NA	NA
Uvalde	Frio River at Concan [8195000]	05/03/05	09:30	17	55	NA
Uvalde	Frio River at Concan [8195000]	10/04/05	12:50	NA	NA	NA
Uvalde	Nueces River at Laguna [8190000]	05/02/05	11:55	6	7	NA
Uvalde	Nueces River at Laguna [8190000]	10/05/05	13:35	NA	3	NA
Uvalde	Sabinal River near Sabinal [8198000]	05/03/05	10:40	80	102	NA
Uvalde	Sabinal River near Sabinal [8198000]	10/05/05	09:35	64	255	NA

NR = Not Recorded

NA = Not Analyzed

() = State Well Number

[] = USGS Gauge Number

Table C-9. Analytical Data for Major Ions in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
Blanco River at Wimberley [8171000]	05/05/05	69.1	7.53	16.30	1.020	10.40	21.90	<0.50	9.96	242
Blanco River at Wimberley [8171000]	10/11/05	111.0	13.30	29.00	2.550	9.12	31.40	0.14J	18.00	283
Dry Frio River at Reagan Wells [8196000]	05/03/05	54.5	6.10	12.30	0.606	9.69	13.20	<0.500	9.55	198
Dry Frio River at Reagan Wells [8196000]	10/04/05	64.5	6.02	14.70	<0.166	7.96	10.70	0.019J	15.00	238
Frio River at Concan [8195000]	05/03/05	55.6	6.60	13.80	0.682	10.20	13.90	<0.500	10.70	206
Frio River at Concan [8195000]	10/04/05	63.8	8.55	17.40	<0.166	9.72	12.90	0.840	17.00	245
Hondo Creek near Tarpley [8200000]	05/04/05	62.5	7.70	10.30	<0.166	9.49	31.80	<0.500	12.30	236
Hondo Creek near Tarpley [8200000]	10/06/05	77.4	16.00	16.80	2.520	10.80	34.80	0.189J	24.00	225
Medina River at Bandera [8178880]	05/06/05	82.6	7.00	18.60	1.370	9.90	74.70	<0.500	10.90	444
Medina River at Bandera [8178880]	10/07/05	130.0	13.80	31.70	2.820	10.10	82.40	0.187	22.00	348
Nueces River at Laguna [8190000]	05/02/05	55.7	7.80	14.10	0.696	12.40	13.90	<0.500	10.90	180
Nueces River at Laguna [8190000]	10/05/05	64.0	8.77	15.20	1.100	11.60	11.80	0.05J	14.00	228
Sabinal River near Sabinal [8198000]	05/03/05	32.1	3.50	6.27	0.312	9.38	20.60	<0.500	12.30	220
Sabinal River near Sabinal [8198000]	10/05/05	71.4	9.09	15.80	<0.166	9.57	20.10	0.082J	20.00	260
Seco Creek at Miller Ranch [8201500]	05/03/05	54.9	7.20	10.20	<0.166	10.20	34.00	<0.500	11.80	204
Seco Creek at Miller Ranch [8201500]	10/06/05	74.8	14.80	17.40	2.280	11.50	<0.50	0.174J	23.00	218
Comal Springs #3	11/30/05	180.0	26.60	35.70	3.800	13.70	23.00	<0.500	31.00	319
Comal Springs #7	06/08/05	77.6	11.00	17.60	0.959	15.30	25.20	<0.500	12.20	264
Comal Springs #7	08/29/05	81.5	8.60	16.30	0.901	15.30	23.50	<0.500	11.00	315
Comal Springs #7	11/30/05	182.0	29.10	38.60	3.930	15.70	25.80	<0.500	32.00	307

Table C-9. (cont.) Analytical Data for Major Ions in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
Comal Springs#1 (DX-68-23-301)	02/28/05	87.6	9.62	16.700	0.737	15.80	22.50	<0.500	11.30	260
Comal Springs#1 (DX-68-23-301)	03/01/05	86.4	10.40	17.500	1.270	17.60	24.40	<0.500	11.50	332
Comal Springs#1 (DX-68-23-301)	06/08/05	80.9	10.00	16.900	1.270	15.30	22.60	<0.500	12.00	314
Comal Springs#1 (DX-68-23-301)	08/29/05	81.1	7.70	15.200	0.661	14.30	21.10	<0.500	11.00	309
Comal Springs#1 (DX-68-23-301)	11/30/05	190.0	28.70	37.800	4.020	13.90	23.20	<0.500	31.00	319
Hueco Springs A (DX-68-15-901)	03/01/05	117.0	8.65	11.100	0.941	14.30	18.30	<0.500	9.74	246
Hueco Springs A (DX-68-15-901)	06/07/05	97.1	8.40	11.100	1.750	10.00	18.00	<0.500	11.30	296
Hueco Springs A (DX-68-15-901)	08/30/05	97.7	6.50	13.100	0.520	11.10	20.50	0.160	12.00	348
Hueco Springs A (DX-68-15-901)	11/29/05	217.0	18.60	41.000	3.970	11.90	23.80	<0.500	31.00	190
Hueco Springs B	03/01/05	115.0	8.57	11.100	1.150	14.00	18.10	<0.500	9.60	306
Hueco Springs B	06/07/05	97.2	8.30	10.900	1.020	12.20	18.10	<0.500	11.50	184
Hueco Springs B	08/30/05	101.0	6.30	13.200	1.840	11.10	20.50	<0.500	12.00	311
Hueco Springs B	11/29/05	218.0	18.90	41.400	4.000	11.90	24.20	<0.500	31.00	181
Las Moras Springs (RP-70-45-501)	06/29/05	*83.2	*5.51	*6.360	*0.768	*8.32	*25.10	*0.533	*15.10	NA
Pinto Springs at Mariposa Ranch	07/29/05	82.1	5.40	1.820	<0.166	8.94	5.79	<0.500	11.60	254
Pinto Springs at Shahan Ranch	06/30/05	93.6	6.20	2.590	1.220	9.61	5.93	<0.500	13.60	288
San Antonio Springs	03/03/05	74.1	9.10	16.200	0.738	17.30	15.50	<0.500	11.60	178
San Antonio Springs	06/09/05	67.2	9.70	16.600	0.663	18.10	17.30	<0.500	13.00	242
San Antonio Springs	09/01/05	71.4	7.40	15.000	0.639	14.90	14.60	<0.500	11.00	204
San Antonio Springs	12/01/05	152.0	26.30	35.100	3.340	15.20	16.30	<0.500	31.00	277

Table C-9. (cont.) Analytical Data for Major Ions in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Calcium (mg/L)	Sodium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	90.5	10.50	19.4	1.260	17.50	22.30	<0.500	10.80	316
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	89.7	10.80	16.4	1.340	16.60	12.20	13.800	12.00	336
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	98.9	8.70	15.6	0.324	17.00	19.10	<0.500	12.00	358
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	262.0	25.10	45.8	4.540	17.00	26.20	<0.500	35.00	292
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	94.1	10.60	16.3	0.673	17.50	22.40	<0.500	11.40	333
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	84.9	10.10	19.2	1.400	15.90	22.00	<0.500	11.10	334
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	90.0	7.90	17.7	1.790	15.20	21.20	<0.500	10.00	250
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	224.0	22.30	49.5	4.320	15.80	25.50	<0.500	33.00	275
San Pedro Springs	03/09/05	73.3	11.10	15.6	0.674	4.70	20.20	<0.500	11.40	372
San Pedro Springs	06/09/05	67.4	10.50	16.4	1.350	18.90	18.70	<0.500	13.50	258
San Pedro Springs	09/01/05	75.0	7.90	14.8	0.606	15.80	16.30	<0.500	11.00	204
San Pedro Springs	12/01/05	162.0	29.00	35.9	3.480	16.40	19.30	<0.500	32.00	295

NA = Not Analyzed

* = Sample Collected by the Authority and analyzed by TWDB

J = Estimated Result between Method Detection Limit and Reporting Limit

Table C-10. Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Bromide (mg/L)	Cadmium (mg/L)
Blanco River at Wimberley [8171000]	05/05/05	0.00164	<0.00084	<0.00073	0.0333	<0.00084	NA	0.0690	<0.00065
Blanco River at Wimberley [8171000]	10/11/05	<0.00022	<0.00084	<0.00073	0.0321	<0.00083	NA	0.0600	<0.00065
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.00022	<0.00084	<0.00073	0.0389	<0.00083	NA	0.0400	<0.00065
Dry Frio River at Reagan Wells [8196000]	10/04/05	0.00219	<0.00084	<0.00073	0.0402	<0.00083	NA	<0.0020	<0.00065
Frio River at Concan [8195000]	05/03/05	<0.00022	<0.00084	<0.00073	0.0358	<0.00083	NA	0.0470	<0.00065
Frio River at Concan [8195000]	10/04/05	0.00070	<0.00084	<0.00073	0.0345	<0.00083	NA	0.0330	<0.00065
Hondo Creek near Tarpley [8200000]	05/04/05	<0.00022	<0.00084	<0.00073	0.0319	<0.00083	NA	0.0500	<0.00065
Hondo Creek near Tarpley [8200000]	10/06/05	0.00040	<0.00084	<0.00073	0.0256	<0.00083	NA	<0.0020	<0.00065
Medina River at Bandera [8178880]	05/06/05	0.00022	<0.00084	<0.00073	0.0354	<0.00084	NA	0.0600	<0.00065
Medina River at Bandera [8178880]	10/07/05	0.00108	<0.00084	<0.00073	0.0358	<0.00083	NA	0.077J	<0.00065
Nueces River at Laguna [8190000]	05/02/05	<0.00022	<0.00084	<0.00073	0.0420	<0.00083	NA	0.0530	<0.00065
Nueces River at Laguna [8190000]	10/05/05	0.00024	<0.00084	<0.00073	0.0368	<0.00083	NA	0.0880	<0.00065
Sabinal River near Sabinal [8198000]	05/03/05	<0.00022	<0.00084	<0.00073	0.0343	<0.00083	NA	0.0570	<0.00065
Sabinal River near Sabinal [8198000]	10/05/05	0.00078	<0.00084	<0.00073	0.0345	<0.00083	NA	0.0520	<0.00065
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.00022	<0.00084	<0.00073	0.0288	<0.00083	NA	0.0480	<0.00065
Seco Creek at Miller Ranch [8201500]	10/06/05	0.00063	<0.00084	<0.00073	0.0236	<0.00083	NA	0.0130	<0.00065
Comal Springs #3	11/30/05	<0.00022	<0.00084	<0.00073	0.0448	<0.00083	NA	0.0460	<0.00065
Comal Springs #7	06/08/05	<0.00022	<0.00084	<0.00073	0.0516	<0.00083	NA	0.0810	<0.00065
Comal Springs #7	08/29/05	<0.00022	<0.00084	<0.00073	0.0658	<0.00083	NA	0.0990	<0.00065
Comal Springs #7	11/30/05	<0.00022	<0.00084	<0.00073	0.0507	<0.00083	NA	0.0050	<0.00065

Table C-10. (cont.) Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Bromide (mg/L)	Cadmium (mg/L)
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.00022	<0.00084	<0.00073	0.0508	<0.00083	NA	0.0780	<0.00065
Comal Springs#1 (DX-68-23-301)	03/01/05	0.00042	<0.00084	<0.00073	0.0577	<0.00083	NA	0.0940	<0.00065
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.00022	<0.00084	<0.00073	0.0455	<0.00083	NA	0.0730	<0.00065
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.00022	<0.00084	<0.00073	0.0565	<0.00083	NA	0.0600	<0.00065
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.00022	<0.00084	<0.00073	0.0433	<0.00083	NA	<0.0020	<0.00065
Hueco Springs A (DX-68-15-901)	03/01/05	<0.00022	0.00104	<0.00073	0.0360	<0.00083	NA	0.0600	<0.00065
Hueco Springs A (DX-68-15-901)	06/07/05	<0.00022	<0.00084	<0.00073	0.0358	<0.00083	NA	0.0640	<0.00065
Hueco Springs A (DX-68-15-901)	08/30/05	<0.00022	<0.00084	<0.00073	0.0416	<0.00083	NA	0.0450	<0.00065
Hueco Springs A (DX-68-15-901)	11/29/05	<0.00022	<0.00084	<0.00073	0.0332	<0.00083	NA	0.0850	<0.00065
Hueco Springs B	03/01/05	0.00029	<0.00084	<0.00073	0.0355	<0.00083	NA	0.0760	<0.00065
Hueco Springs B	06/07/05	<0.00022	<0.00084	<0.00073	0.0368	<0.00083	NA	0.0800	<0.00065
Hueco Springs B	08/30/05	<0.00022	<0.00084	<0.00073	0.0415	<0.00083	NA	0.0630	<0.00065
Hueco Springs B	11/29/05	<0.00022	<0.00084	<0.00073	0.0352	<0.00083	NA	0.0600	<0.00065
Las Moras Springs (RP-70-45-501)	06/29/05	*<0.00408	*<0.00102	*<0.00204	*0.0507	*<0.00102	*0.069	*0.0550	*<0.00102
Pinto Springs at Mariposa	07/29/05	<0.00022	<0.00084	<0.00073	0.0422	<0.00083	NA	0.0530	<0.00065
Pinto Springs at Shahan	06/30/05	0.00401	<0.00084	<0.00073	0.0558	<0.00083	NA	0.0380	<0.00065
San Antonio Springs	03/03/05	0.00130	<0.00084	<0.00073	0.0506	<0.00083	NA	0.0770	<0.00065
San Antonio Springs	06/09/05	<0.00022	<0.00084	<0.00073	0.0461	<0.00083	NA	0.0720	<0.00065
San Antonio Springs	09/01/05	<0.00022	<0.00084	<0.00073	0.0472	<0.00083	NA	0.0340	<0.00065
San Antonio Springs	12/01/05	<0.00022	<0.00084	<0.00073	0.0431	<0.00083	NA	<0.0020	<0.00065

Table C-10. (cont.) Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Bromide (mg/L)	Cadmium (mg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	0.00157	<0.00084	<0.00073	0.0366	<0.00083	NA	0.1200	<0.00065
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.00022	<0.00084	<0.00073	0.0390	<0.00083	NA	0.0980	<0.00065
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.00022	<0.00084	<0.00073	0.0429	<0.00083	NA	0.0040	<0.00065
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	0.00146	<0.00084	<0.00073	0.0321	<0.00083	NA	0.0480	<0.00065
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	0.00081	<0.00084	<0.00073	0.0389	<0.00083	NA	0.0920	<0.00065
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.00022	<0.00084	<0.00073	0.0348	<0.00083	NA	0.1040	<0.00065
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.00022	<0.00084	<0.00073	0.0344	<0.00083	NA	0.0870	<0.00065
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.00022	<0.00084	<0.00073	0.0292	<0.00083	NA	0.0680	<0.00065
San Pedro Springs	03/09/05	0.00046	<0.00084	<0.00073	0.0457	<0.00083	NA	0.0900	<0.00065
San Pedro Springs	06/09/05	<0.00022	0.00232	<0.00073	0.0455	<0.00083	NA	0.0730	<0.00065
San Pedro Springs	09/01/05	<0.00022	<0.00084	<0.00073	0.0467	<0.00083	NA	0.0800	<0.00065
San Pedro Springs	12/01/05	<0.00022	<0.00084	<0.00073	0.0431	<0.00083	NA	<0.0020	<0.00065

Station Name	Date Sampled	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
Blanco River at Wimberley [8171000]	05/05/05	<0.00117	NA	<0.00090	0.00539	<0.00084	NA	0.00136	0.00118
Blanco River at Wimberley [8171000]	10/11/05	<0.00117	NA	<0.00090	0.00216	<0.00084	NA	0.00049	<0.00114
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.00117	NA	<0.00090	0.00077	<0.00084	NA	0.00037	<0.00114
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.00117	NA	<0.00090	0.00274	<0.00084	NA	0.00156	<0.00114
Frio River at Concan [8195000]	05/03/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00022	<0.00114
Frio River at Concan [8195000]	10/04/05	<0.00117	NA	<0.00090	0.00221	<0.00084	NA	0.00097U	<0.00114
Hondo Creek near Tarpley [8200000]	05/04/05	<0.00117	NA	<0.00090	0.00448	<0.00084	NA	0.00080	<0.00114
Hondo Creek near Tarpley [8200000]	10/06/05	<0.00117	NA	<0.00090	0.00227	<0.00084	NA	0.00135	<0.00114

Table C-10. (cont.) Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
Medina River at Bandera [8178880]	05/06/05	<0.00117	NA	<0.00090	0.00725	<0.00084	NA	0.00162	<0.00114
Medina River at Bandera [8178880]	10/07/05	<0.00117	NA	<0.00090	0.00123	<0.00084	NA	0.00096U	<0.00114
Nueces River at Laguna [8190000]	05/02/05	<0.00117	NA	<0.00090	0.00099	<0.00084	NA	0.00015	<0.00114
Nueces River at Laguna [8190000]	10/05/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Sabinal River near Sabinal [8198000]	05/03/05	<0.00117	NA	<0.00090	0.00205	<0.00084	NA	0.00053	<0.00114
Sabinal River near Sabinal [8198000]	10/05/05	<0.00117	NA	<0.00090	0.00312	<0.00084	NA	0.00209	<0.00114
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00040	<0.00114
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.00117	NA	<0.00090	0.00158	<0.00084	NA	0.00054	<0.00114
Comal Springs #3	11/30/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Comal Springs #7	06/08/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Comal Springs #7	08/29/05	<0.00117	NA	0.00496	<0.00074	<0.00084	NA	0.00044	<0.00114
Comal Springs #7	11/30/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00015	<0.00114
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.00117	NA	<0.00090	0.00212	<0.00084	NA	<0.00014	<0.00114
Hueco Springs A (DX-68-15-901)	03/01/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hueco Springs A (DX-68-15-901)	06/07/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hueco Springs A (DX-68-15-901)	08/30/05	<0.00117	NA	<0.00090	0.02390	0.00393	NA	<0.00014	<0.00114
Hueco Springs A (DX-68-15-901)	11/29/05	<0.00117	NA	<0.00090	0.00250	<0.00084	NA	<0.00014	<0.00114

Table C-10. (cont.) Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
Hueco Springs B	03/01/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hueco Springs B	06/07/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
Hueco Springs B	08/30/05	<0.00117	NA	<0.00090	0.01930	0.00355	NA	0.00055	<0.00114
Hueco Springs B	11/29/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00217	<0.00114
Las Moras Springs (RP-70-45-501)	06/29/05	*<0.00102	*<0.00102	*0.00208	*<0.05100	*<0.00102	*0.00272	*<0.00102	NA
Pinto Springs at Mariposa	07/29/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00168	<0.00114
Pinto Springs at Shahan	06/30/05	<0.00117	NA	<0.00090	0.01190	<0.00084	NA	0.00126	<0.00114
San Antonio Springs	03/03/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Antonio Springs	06/09/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Antonio Springs	09/01/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Antonio Springs	12/01/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.00117	NA	<0.00090	0.00212	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.00117	NA	0.00429	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.00117	NA	<0.00090	0.00177	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Pedro Springs	03/09/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00027	<0.00114
San Pedro Springs	06/09/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	<0.00014	<0.00114
San Pedro Springs	09/01/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00026	<0.00114
San Pedro Springs	12/01/05	<0.00117	NA	<0.00090	<0.00074	<0.00084	NA	0.00025	<0.00114

Table C-10. (cont.) Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
Blanco River at Wimberley [8171000]	05/05/05	NA	<0.00062	0.00278	<0.00089	0.369	<0.00036	NA	0.01160
Blanco River at Wimberley [8171000]	10/11/05	NA	<0.00062	<0.00099	<0.00089	0.649	<0.00036	NA	0.00080
Dry Frio River at Reagan Wells [8196000]	05/03/05	NA	<0.00062	0.00143	<0.00089	0.333	<0.00036	NA	0.00756
Dry Frio River at Reagan Wells [8196000]	10/04/05	NA	<0.00062	<0.00099	<0.00089	0.313	<0.00036	NA	0.00617
Frio River at Concan [8195000]	05/03/05	NA	<0.00062	0.00144	<0.00089	0.286	<0.00036	NA	<0.00068
Frio River at Concan [8195000]	10/04/05	NA	<0.00062	<0.00099	<0.00089	0.300	<0.00036	NA	0.00481
Hondo Creek near Tarpley [8200000]	05/04/05	NA	<0.00062	0.00164	<0.00089	0.381	<0.00036	NA	0.00102
Hondo Creek near Tarpley [8200000]	10/06/05	NA	<0.00062	<0.00099	<0.00089	0.367	<0.00036	NA	0.00222
Medina River at Bandera [8178880]	05/06/05	NA	<0.00062	0.00197	<0.00089	0.826	<0.00036	NA	0.00309
Medina River at Bandera [8178880]	10/07/05	NA	<0.00062	<0.00099	<0.00089	0.936	<0.00036	NA	0.00264
Nueces River at Laguna [8190000]	05/02/05	NA	<0.00062	0.00241	<0.00089	0.237	<0.00036	NA	0.00438
Nueces River at Laguna [8190000]	10/05/05	NA	<0.00062	0.00115	<0.00089	0.227	<0.00036	NA	0.00212
Sabinal River near Sabinal [8198000]	05/03/05	NA	<0.00062	0.00196	<0.00089	0.319	<0.00036	NA	<0.00068
Sabinal River near Sabinal [8198000]	10/05/05	NA	<0.00062	<0.00099	<0.00089	0.320	<0.00036	NA	0.01700
Seco Creek at Miller Ranch [8201500]	05/03/05	NA	<0.00062	0.00191	<0.00089	0.371	<0.00036	NA	0.00122
Seco Creek at Miller Ranch [8201500]	10/06/05	NA	<0.00062	<0.00099	<0.00089	0.338	<0.00036	NA	0.00230
Comal Springs #3	11/30/05	NA	<0.00062	0.00132	<0.00089	0.557	<0.00036	NA	<0.00068
Comal Springs #7	06/08/05	NA	<0.00062	0.00220	<0.00089	0.658	<0.00036	NA	<0.00068
Comal Springs #7	08/29/05	NA	<0.00062	0.00153	<0.00089	0.683	<0.00036	NA	0.00526
Comal Springs #7	11/30/05	NA	<0.00062	0.00144	<0.00089	0.655	<0.00036	NA	0.00204

Table C-10. (cont.) Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
Comal Springs#1 (DX-68-23-301)	02/28/05	NA	<0.00062	0.00115	<0.00089	0.535	<0.00036	NA	<0.00068
Comal Springs#1 (DX-68-23-301)	03/01/05	NA	<0.00062	<0.00099	<0.00089	0.632	<0.00036	NA	0.00072
Comal Springs#1 (DX-68-23-301)	06/08/05	NA	<0.00062	0.00235	<0.00089	0.554	0.00056	NA	<0.00068
Comal Springs#1 (DX-68-23-301)	08/29/05	NA	<0.00062	0.00168	<0.00089	0.571	<0.00036	NA	<0.00068
Comal Springs#1 (DX-68-23-301)	11/30/05	NA	<0.00062	0.00126	<0.00089	0.560	<0.00036	NA	0.00101
Hueco Springs A (DX-68-15-901)	03/01/05	NA	<0.00062	0.00118	<0.00089	0.193	<0.00036	NA	<0.00068
Hueco Springs A (DX-68-15-901)	06/07/05	NA	<0.00062	0.00244	<0.00089	0.275	<0.00036	NA	0.00180
Hueco Springs A (DX-68-15-901)	08/30/05	NA	<0.00062	0.00140	<0.00089	0.374	<0.00036	NA	<0.00068
Hueco Springs A (DX-68-15-901)	11/29/05	NA	<0.00062	0.00136	<0.00089	0.476	<0.00036	NA	0.00172
Hueco Springs B	03/01/05	NA	<0.00062	0.00107	<0.00089	0.190	<0.00036	NA	0.00346
Hueco Springs B	06/07/05	NA	<0.00062	0.00224	<0.00089	0.274	<0.00036	NA	0.00386
Hueco Springs B	08/30/05	NA	<0.00062	0.00122	<0.00089	0.368	<0.00036	NA	0.00083
Hueco Springs B	11/29/05	NA	<0.00062	0.00153	<0.00089	0.469	<0.00036	NA	0.00453
Las Moras Springs (RP-70-45-501)	06/29/05	*<0.00102	NA	*<0.00408	NA	*1.690	*<0.00102	*0.0116	*0.00617
Pinto Springs at Mariposa	07/29/05	NA	<0.00062	<0.00099	<0.00089	0.266	<0.00036	NA	<0.00068
Pinto Springs at Shahan	06/30/05	NA	<0.00062	0.00157	<0.00089	0.259	<0.00036	NA	0.00348
San Antonio Springs	03/03/05	NA	<0.00062	<0.00099	<0.00089	0.527	<0.00036	NA	<0.00068
San Antonio Springs	06/09/05	NA	<0.00062	0.00401	<0.00089	0.527	0.00068	NA	<0.00068
San Antonio Springs	09/01/05	NA	<0.00062	<0.00099	<0.00089	0.523	<0.00036	NA	0.00214
San Antonio Springs	12/01/05	NA	<0.00062	0.00178	<0.00089	0.514	<0.00036	NA	<0.00068

Table C-10. (cont.) Analytical Data for Metals in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	NA	<0.00062	<0.00099	<0.00089	0.483	<0.00036	NA	0.00108
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	NA	<0.00062	0.00232	<0.00089	0.494	<0.00036	NA	0.00710
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	NA	<0.00062	0.00106	<0.00089	0.512	<0.00036	NA	0.00363
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	NA	<0.00062	0.00104	<0.00089	0.557	<0.00036	NA	0.00252
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	NA	<0.00062	<0.00099	<0.00089	0.466	<0.00036	NA	0.00088
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	NA	<0.00062	0.00212	<0.00089	0.496	<0.00036	NA	<0.00068
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	NA	<0.00062	0.00103	<0.00089	0.516	<0.00036	NA	0.00071
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	NA	<0.00062	<0.00099	<0.00089	0.567	<0.00036	NA	0.00215
San Pedro Springs	03/09/05	NA	<0.00062	0.00100	<0.00089	0.511	<0.00036	NA	0.00118
San Pedro Springs	06/09/05	NA	<0.00062	0.00405	<0.00089	0.518	0.00075	NA	<0.00068
San Pedro Springs	09/01/05	NA	<0.00062	0.00118	<0.00089	0.525	<0.00036	NA	0.00076
San Pedro Springs	12/01/05	NA	<0.00062	0.00131	<0.00089	0.518	<0.00036	NA	0.00110

NA = Not Analyzed

* = Sample Collected by the Authority and Analyzed by TWDB

Table C-11. Analytical Data for Nutrients in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Nitrate-N (mg/L)	Ortho-phosphate (mg/L)	Phosphorus (mg/L)
Blanco River at Wimberley [8171000]	05/05/05	0.609	NA	0.0262
Blanco River at Wimberley [8171000]	10/11/05	0.540	NA	<0.003
Dry Frio River at Reagan Wells [8196000]	05/03/05	0.718	<0.15	0.0368
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.150	NA	<0.003
Frio River at Concan [8195000]	05/03/05	0.760	<0.15	<0.003
Frio River at Concan [8195000]	10/04/05	<0.150	NA	<0.003
Hondo Creek near Tarpley [8200000]	05/04/05	0.532	NA	<0.003
Hondo Creek near Tarpley [8200000]	10/06/05	<0.150	NA	<0.003
Medina River at Bandera [8178880]	05/06/05	0.630	NA	<0.003
Medina River at Bandera [8178880]	10/07/05	<0.150	NA	<0.003
Nueces River at Laguna [8190000]	05/02/05	1.060	<0.15	1.230
Nueces River at Laguna [8190000]	10/05/05	0.638	NA	<0.003
Sabinal River near Sabinal [8198000]	05/03/05	0.706	<0.15	<0.003
Sabinal River near Sabinal [8198000]	10/05/05	<0.150	NA	<0.003
Seco Creek at Miller Ranch [8201500]	05/03/05	0.458	NA	<0.003
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.150	NA	<0.003
Comal Springs #3	11/30/05	1.850	NA	NA
Comal Springs #7	06/08/05	<0.150	<0.33	NA
Comal Springs #7	08/29/05	1.530	NA	NA
Comal Springs #7	11/30/05	1.770	NA	NA
Comal Springs#1 (DX-68-23-301)	02/28/05	1.840	<0.33	NA
Comal Springs#1 (DX-68-23-301)	03/01/05	1.790	<0.33	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.150	<0.33	NA
Comal Springs#1 (DX-68-23-301)	08/29/05	1.610	NA	NA
Comal Springs#1 (DX-68-23-301)	11/30/05	1.890	NA	NA

Table C-11. (cont.) Analytical Data for Nutrients in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Nitrate-N (mg/L)	Ortho-phosphate (mg/L)	Phosphorus (mg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	1.140	<0.33	NA
Hueco Springs A (DX-68-15-901)	06/07/05	0.989	<0.33	NA
Hueco Springs A (DX-68-15-901)	08/30/05	1.150	NA	NA
Hueco Springs A (DX-68-15-901)	11/29/05	1.050	NA	NA
Hueco Springs B	03/01/05	1.120	<0.33	NA
Hueco Springs B	06/07/05	0.983	<0.33	NA
Hueco Springs B	08/30/05	1.140	NA	NA
Hueco Springs B	11/29/05	0.998	NA	NA
Las Moras Springs (RP-70-45-501)	06/29/05	*1.154	NA	NA
Pinto Springs at Mariposa Ranch	07/29/05	1.450	NA	NA
Pinto Springs at Shahan Ranch	06/30/05	1.790	NA	NA
San Antonio Springs	03/03/05	1.790	<0.33	NA
San Antonio Springs	06/09/05	1.280	<0.33	NA
San Antonio Springs	09/01/05	1.540	NA	NA
San Antonio Springs	12/01/05	1.780	NA	NA
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	1.140	<0.33	NA
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	0.996	<0.33	NA
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.150	NA	NA
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	1.380	NA	NA
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	1.430	<0.33	NA
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	0.828	<0.33	NA
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	0.956	NA	NA
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	0.941	NA	NA
San Pedro Springs	03/09/05	1.730	<0.33	NA
San Pedro Springs	06/09/05	1.450	<0.33	NA
San Pedro Springs	09/01/05	1.600	NA	NA
San Pedro Springs	12/01/05	1.900	NA	NA

NA = Not Analyzed

* = Sample Collected by the Authority and Analyzed by TWDB

Table C-12. Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Blanco River at Wimberley [8171000]	10/11/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Frio River at Concan [8195000]	05/03/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Frio River at Concan [8195000]	10/04/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hondo Creek near Tarpley [8200000]	05/04/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hondo Creek near Tarpley [8200000]	10/06/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Medina River at Bandera [8178880]	05/06/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Medina River at Bandera [8178880]	10/07/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Nueces River at Laguna [8190000]	05/02/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Nueces River at Laguna [8190000]	10/05/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Sabinal River near Sabinal [8198000]	05/03/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Sabinal River near Sabinal [8198000]	10/05/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #3	11/30/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	06/08/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	08/29/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs #7	11/30/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Alachlor (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	Alpha-Chlordane (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	06/07/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	08/30/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs A (DX-68-15-901)	11/29/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	03/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	06/07/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	08/30/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Hueco Springs B	11/29/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
Pinto Springs at Mariposa	07/29/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Antonio Springs	03/03/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Antonio Springs	06/09/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Antonio Springs	09/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Antonio Springs	12/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	03/09/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	06/09/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	09/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00
San Pedro Springs	12/01/05	<0.100	<0.016	<0.035	<0.016	<1.00	<1.00	<1.00	<1.00

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos-methyl (µg/L)	Bentazon (µg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Blanco River at Wimberley [8171000]	10/11/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Dry Frio River at Reagan Wells [8196000]	05/03/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Dry Frio River at Reagan Wells [8196000]	10/04/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Frio River at Concan [8195000]	05/03/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Frio River at Concan [8195000]	10/04/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Hondo Creek near Tarpley [8200000]	05/04/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Hondo Creek near Tarpley [8200000]	10/06/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Medina River at Bandera [8178880]	05/06/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Medina River at Bandera [8178880]	10/07/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Nueces River at Laguna [8190000]	05/02/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Nueces River at Laguna [8190000]	10/05/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Sabinal River near Sabinal [8198000]	05/03/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Sabinal River near Sabinal [8198000]	10/05/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Seco Creek at Miller Ranch [8201500]	05/03/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Seco Creek at Miller Ranch [8201500]	10/06/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Comal Springs #3	11/30/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Comal Springs #7	06/08/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Comal Springs #7	08/29/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Comal Springs #7	11/30/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Atrazine (µg/L)	Azinphos -methyl (µg/L)	Bentazon (µg/L)	beta-BHC (µg/L)	Bolstar (Sulprofos) (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	NA
Hueco Springs A (DX-68-15-901)	06/07/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Hueco Springs A (DX-68-15-901)	08/30/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Hueco Springs A (DX-68-15-901)	11/29/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Hueco Springs B	03/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	NA
Hueco Springs B	06/07/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Hueco Springs B	08/30/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Hueco Springs B	11/29/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
Pinto Springs at Mariposa	07/29/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Antonio Springs	03/03/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	NA
San Antonio Springs	06/09/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Antonio Springs	09/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Antonio Springs	12/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	<0.50
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Pedro Springs	03/09/05	<1.00	<1.00	<1.00	<2.40	<0.50	NA	<0.013	<0.50
San Pedro Springs	06/09/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Pedro Springs	09/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50
San Pedro Springs	12/01/05	<1.00	<1.00	<1.00	<2.40	<0.50	<100.0	<0.013	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Chloro-pyrifos (µg/L)	Coumaphos (µg/L)	2,4-D (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<0.50	<0.30	<50.0	<0.020	<0.007	<0.022	<0.011	<0.50
Blanco River at Wimberley [8171000]	10/11/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Frio River at Concan [8195000]	05/03/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Frio River at Concan [8195000]	10/04/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hondo Creek near Tarpley [8200000]	05/04/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hondo Creek near Tarpley [8200000]	10/06/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Medina River at Bandera [8178880]	05/06/05	<0.50	<0.30	<50.0	<0.020	<0.007	<0.022	<0.011	<0.50
Medina River at Bandera [8178880]	10/07/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Nueces River at Laguna [8190000]	05/02/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Nueces River at Laguna [8190000]	10/05/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Sabinal River near Sabinal [8198000]	05/03/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Sabinal River near Sabinal [8198000]	10/05/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #3	11/30/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #7	06/08/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #7	08/29/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs #7	11/30/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.50	NA	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Chloro-pyrifos (µg/L)	Coumaphos (µg/L)	2,4-D (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	delta-BHC (µg/L)	Demeton, Total (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<0.50	NA	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs A (DX-68-15-901)	06/07/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs A (DX-68-15-901)	08/30/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs A (DX-68-15-901)	11/29/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs B	03/01/05	<0.50	NA	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs B	06/07/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs B	08/30/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Hueco Springs B	11/29/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
Pinto Springs at Mariposa	07/29/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Antonio Springs	03/03/05	<0.50	NA	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Antonio Springs	06/09/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Antonio Springs	09/01/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Antonio Springs	12/01/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	03/09/05	<0.50	<0.30	<50.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	06/09/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	09/01/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50
San Pedro Springs	12/01/05	<0.50	<0.30	<100.0	<0.020	<0.007	<0.022	<0.011	<0.50

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Diazinon (µg/L)	1,2-Dibromo-3-chloro-propane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)	Dimethoate (µg/L)	Dinoseb (µg/L)	Disulfoton (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Blanco River at Wimberley [8171000]	10/11/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Frio River at Concan [8195000]	05/03/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Frio River at Concan [8195000]	10/04/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Hondo Creek near Tarpley [8200000]	05/04/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Hondo Creek near Tarpley [8200000]	10/06/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Medina River at Bandera [8178880]	05/06/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Medina River at Bandera [8178880]	10/07/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Nueces River at Laguna [8190000]	05/02/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Nueces River at Laguna [8190000]	10/05/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Sabinal River near Sabinal [8198000]	05/03/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Sabinal River near Sabinal [8198000]	10/05/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.40	NA	NA	<0.40	<0.025	<0.40	<100.0	<0.40
Comal Springs #3	11/30/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.40
Comal Springs #7	06/08/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.40
Comal Springs #7	08/29/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.40
Comal Springs #7	11/30/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.40
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	NA	<0.40
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.40	<2.14	<0.425	NA	<0.025	NA	NA	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.40
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.40
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Diazinon (µg/L)	1,2-Dibromo-3-chloro-propane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dichloro-vos (µg/L)	Dieldrin (µg/L)	Dimethoate (µg/L)	Dinoseb (µg/L)	Disulfoton (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<0.40	<2.14	<0.425	NA	<0.025	NA	NA	NA
Hueco Springs A (DX-68-15-901)	06/07/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
Hueco Springs A (DX-68-15-901)	08/30/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
Hueco Springs A (DX-68-15-901)	11/29/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
Hueco Springs B	03/01/05	<0.40	<2.14	<0.425	NA	<0.025	NA	NA	NA
Hueco Springs B	06/07/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
Hueco Springs B	08/30/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
Hueco Springs B	11/29/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
Pinto Springs at Mariposa	07/29/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Antonio Springs	03/03/05	<0.40	<2.14	<0.425	NA	<0.025	NA	NA	NA
San Antonio Springs	06/09/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Antonio Springs	09/01/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Antonio Springs	12/01/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	NA	<0.4
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	NA	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Pedro Springs	03/09/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Pedro Springs	06/09/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Pedro Springs	09/01/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4
San Pedro Springs	12/01/05	<0.40	<2.14	<0.425	<0.40	<0.025	<0.40	<100.0	<0.4

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)	Endo-sulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)	EPN (µg/L)	Ethoprop (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Blanco River at Wimberley [8171000]	10/11/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Frio River at Concan [8195000]	05/03/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Frio River at Concan [8195000]	10/04/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Hondo Creek near Tarpley [8200000]	05/04/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Hondo Creek near Tarpley [8200000]	10/06/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Medina River at Bandera [8178880]	05/06/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Medina River at Bandera [8178880]	10/07/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Nueces River at Laguna [8190000]	05/02/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Nueces River at Laguna [8190000]	10/05/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Sabinal River near Sabinal [8198000]	05/03/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Sabinal River near Sabinal [8198000]	10/05/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs #3	11/30/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs #7	06/08/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs #7	08/29/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs #7	11/30/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	NA	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.011	<0.015	<0.018	<0.020	<0.084	<0.129	<0.40	<0.70

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Endo-sulfan I (µg/L)	Endo-sulfan II (µg/L)	Endo-sulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	Endrin ketone (µg/L)	EPN (µg/L)	Ethoprop (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	NA	NA
Hueco Springs A (DX-68-15-901)	06/07/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
Hueco Springs A (DX-68-15-901)	08/30/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
Hueco Springs A (DX-68-15-901)	11/29/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
Hueco Springs B	03/01/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	NA	NA
Hueco Springs B	06/07/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
Hueco Springs B	08/30/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
Hueco Springs B	11/29/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
Pinto Springs at Mariposa	07/29/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Antonio Springs	03/03/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	NA	NA
San Antonio Springs	06/09/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Antonio Springs	09/01/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Antonio Springs	12/01/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Pedro Springs	03/09/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Pedro Springs	06/09/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Pedro Springs	09/01/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70
San Pedro Springs	12/01/05	<0.011	<0.015	<0.018	<0.02	<0.084	<0.129	<0.40	<0.70

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Fensulfothion (µg/L)	Fenthion (µg/L)	gamma-BHC (µg/L)	gamma-Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)	Merphos (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<0.70	<0.30	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Blanco River at Wimberley [8171000]	10/11/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Frio River at Concan [8195000]	05/03/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Frio River at Concan [8195000]	10/04/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Hondo Creek near Tarpley [8200000]	05/04/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Hondo Creek near Tarpley [8200000]	10/06/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Medina River at Bandera [8178880]	05/06/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Medina River at Bandera [8178880]	10/07/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Nueces River at Laguna [8190000]	05/02/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Nueces River at Laguna [8190000]	10/05/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Sabinal River near Sabinal [8198000]	05/03/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Sabinal River near Sabinal [8198000]	10/05/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs #3	11/30/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs #7	06/08/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs #7	08/29/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs #7	11/30/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs#1 (DX-68-23-301)	03/01/05	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.50	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Fensulfo- thion (µg/L)	Fenthion (µg/L)	gamma- BHC (µg/L)	gamma- Chlordane (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Malathion (µg/L)	Merphos (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.50	NA
Hueco Springs A (DX-68-15-901)	06/07/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Hueco Springs A (DX-68-15-901)	08/30/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Hueco Springs A (DX-68-15-901)	11/29/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Hueco Springs B	03/01/05	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.50	NA
Hueco Springs B	06/07/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Hueco Springs B	08/30/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Hueco Springs B	11/29/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
Pinto Springs at Mariposa	07/29/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Antonio Springs	03/03/05	NA	NA	<0.012	<0.025	<0.010	<0.015	<0.50	NA
San Antonio Springs	06/09/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Antonio Springs	09/01/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Antonio Springs	12/01/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Pedro Springs	03/09/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Pedro Springs	06/09/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Pedro Springs	09/01/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30
San Pedro Springs	12/01/05	<0.70	<0.3	<0.012	<0.025	<0.010	<0.015	<0.50	<0.30

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Blanco River at Wimberley [8171000]	10/11/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Dry Frio River at Reagan Wells [8196000]	05/03/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Dry Frio River at Reagan Wells [8196000]	10/04/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Frio River at Concan [8195000]	05/03/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Frio River at Concan [8195000]	10/04/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Hondo Creek near Tarpley [8200000]	05/04/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Hondo Creek near Tarpley [8200000]	10/06/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Medina River at Bandera [8178880]	05/06/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Medina River at Bandera [8178880]	10/07/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Nueces River at Laguna [8190000]	05/02/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Nueces River at Laguna [8190000]	10/05/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Sabinal River near Sabinal [8198000]	05/03/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Sabinal River near Sabinal [8198000]	10/05/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Seco Creek at Miller Ranch [8201500]	05/03/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Seco Creek at Miller Ranch [8201500]	10/06/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Comal Springs #3	11/30/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Comal Springs #7	06/08/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Comal Springs #7	08/29/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Comal Springs #7	11/30/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<1.29	<0.40
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.008	<0.50	<0.030	NA	NA	<0.50	<1.29	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.008	<0.50	<0.030	<0.70	<0.75	<0.50	<100.00	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Methoxy-chlor (µg/L)	Methyl parathion (µg/L)	Mirex (µg/L)	Monon-crotophos (µg/L)	Naled (µg/L)	Parathion (µg/L)	Penta-chloro-phenol (µg/L)	Phorate (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<0.008	<0.50	<0.03	NA	NA	<0.50	<1.29	NA
Hueco Springs A (DX-68-15-901)	06/07/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
Hueco Springs A (DX-68-15-901)	08/30/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
Hueco Springs A (DX-68-15-901)	11/29/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
Hueco Springs B	03/01/05	<0.008	<0.50	<0.03	NA	NA	<0.50	<1.29	NA
Hueco Springs B	06/07/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
Hueco Springs B	08/30/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
Hueco Springs B	11/29/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
Pinto Springs at Mariposa	07/29/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Antonio Springs	03/03/05	<0.008	<0.50	<0.03	NA	NA	<0.50	<1.29	NA
San Antonio Springs	06/09/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Antonio Springs	09/01/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Antonio Springs	12/01/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<1.29	<0.40
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<1.29	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Pedro Springs	03/09/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<1.29	<0.40
San Pedro Springs	06/09/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Pedro Springs	09/01/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40
San Pedro Springs	12/01/05	<0.008	<0.50	<0.03	<0.70	<0.75	<0.50	<100.00	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Picloram (µg/L)	Ronnel (µg/L)	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (µg/L)	TEPP (µg/L)	Tokuthion (µg/L)
Blanco River at Wimberley [8171000]	05/05/05	<100.0	<0.40	<0.30	<0.40	<0.40	<100.0	<0.40	<0.40
Blanco River at Wimberley [8171000]	10/11/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Dry Frio River at Reagan Wells [8196000]	05/03/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Dry Frio River at Reagan Wells [8196000]	10/04/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Frio River at Concan [8195000]	05/03/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Frio River at Concan [8195000]	10/04/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Hondo Creek near Tarpley [8200000]	05/04/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Hondo Creek near Tarpley [8200000]	10/06/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Medina River at Bandera [8178880]	05/06/05	<100.0	<0.40	<0.30	<0.40	<0.40	<100.0	<0.40	<0.40
Medina River at Bandera [8178880]	10/07/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Nueces River at Laguna [8190000]	05/02/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Nueces River at Laguna [8190000]	10/05/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Sabinal River near Sabinal [8198000]	05/03/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Sabinal River near Sabinal [8198000]	10/05/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Seco Creek at Miller Ranch [8201500]	05/03/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Seco Creek at Miller Ranch [8201500]	10/06/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Comal Springs #3	11/30/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Comal Springs #7	06/08/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Comal Springs #7	08/29/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Comal Springs #7	11/30/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Comal Springs#1 (DX-68-23-301)	02/28/05	NA	<0.40	<0.30	<0.40	<0.40	NA	<0.40	<0.40
Comal Springs#1 (DX-68-23-301)	03/01/05	NA	NA	NA	NA	NA	NA	NA	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Comal Springs#1 (DX-68-23-301)	08/29/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Comal Springs#1 (DX-68-23-301)	11/30/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Picloram (µg/L)	Ronnel (µg/L)	Simazine (µg/L)	Stirophos (µg/L)	Sulfotepp (µg/L)	2,4,5-T (µg/L)	TEPP (µg/L)	Tokuthion (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	NA	NA	NA	NA	NA	NA	NA	NA
Hueco Springs A (DX-68-15-901)	06/07/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Hueco Springs A (DX-68-15-901)	08/30/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Hueco Springs A (DX-68-15-901)	11/29/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Hueco Springs B	03/01/05	NA	NA	NA	NA	NA	NA	NA	NA
Hueco Springs B	06/07/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Hueco Springs B	08/30/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Hueco Springs B	11/29/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
Pinto Springs at Mariposa	07/29/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Antonio Springs	03/03/05	NA	NA	NA	NA	NA	NA	NA	NA
San Antonio Springs	06/09/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Antonio Springs	09/01/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Antonio Springs	12/01/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	NA	<0.40	<0.30	<0.40	<0.40	NA	<0.40	<0.40
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	NA	<0.40	<0.30	<0.40	<0.40	NA	<0.40	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Pedro Springs	03/09/05	<100.0	<0.40	<0.30	<0.40	<0.40	NA	<0.40	<0.40
San Pedro Springs	06/09/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Pedro Springs	09/01/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40
San Pedro Springs	12/01/05	<100.0	<0.40	<0.30	<0.40	<0.40	<50.0	<0.40	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Total PCBs (ug/L)	Toxaphene (ug/L)	2,4,5-TP (ug/L)	Trichloronate (ug/L)
Blanco River at Wimberley [8171000]	05/05/05	NA	NA	NA	NA
Blanco River at Wimberley [8171000]	05/05/05	<7.00	<0.770	<50.0	<0.40
Blanco River at Wimberley [8171000]	10/11/05	<7.00	<0.770	<50.0	<0.40
Dry Frio River at Reagan Wells [8196000]	05/03/05	<7.00	<0.770	<50.0	<0.40
Dry Frio River at Reagan Wells [8196000]	10/04/05	<7.00	<0.770	<50.0	<0.40
Frio River at Concan [8195000]	05/03/05	<7.00	<0.770	<50.0	<0.40
Frio River at Concan [8195000]	10/04/05	<7.00	<0.770	<50.0	<0.40
Hondo Creek near Tarpley [8200000]	05/04/05	NA	NA	<50.0	<0.40
Hondo Creek near Tarpley [8200000]	10/06/05	<7.00	<0.770	<50.0	<0.40
Medina River at Bandera [8178880]	05/06/05	<7.00	<0.770	<50.0	<0.40
Medina River at Bandera [8178880]	10/07/05	<7.00	<0.770	<50.0	<0.40
Nueces River at Laguna [8190000]	05/02/05	<7.00	<0.770	<50.0	<0.40
Nueces River at Laguna [8190000]	10/05/05	<7.00	<0.770	<50.0	<0.40
Sabinal River near Sabinal [8198000]	05/03/05	<7.00	<0.770	<50.0	<0.40
Sabinal River near Sabinal [8198000]	10/05/05	<7.00	<0.770	<50.0	<0.40
Seco Creek at Miller Ranch [8201500]	05/03/05	NA	NA	<50.0	<0.40
Seco Creek at Miller Ranch [8201500]	10/06/05	<7.00	<0.770	<50.0	<0.40
Comal Springs #3	11/30/05	<7.00	<0.770	<50.0	<0.40
Comal Springs #7	06/08/05	<7.00	<0.770	<50.0	<0.40
Comal Springs #7	08/29/05	<7.00	<0.770	<50.0	<0.40
Comal Springs #7	11/30/05	<7.00	<0.770	<50.0	<0.40
Comal Springs#1 (DX-68-23-301)	02/28/05	<7.00	<0.770	<100.0	<0.40
Comal Springs#1 (DX-68-23-301)	03/01/05	<7.00	<0.770	<100.0	NA
Comal Springs#1 (DX-68-23-301)	06/08/05	<7.00	<0.770	<50.0	<0.40
Comal Springs#1 (DX-68-23-301)	08/29/05	NA	NA	<50.0	<0.40
Comal Springs#1 (DX-68-23-301)	11/30/05	<7.00	<0.770	<50.0	<0.40

Table C-12. (cont.) Analytical Data for Pesticides, Herbicides, and PCB (Aroclors) in Water Samples from Streams Crossing the Edwards Aquifer Recharge Zone and Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Total PCBs (ug/L)	Toxaphene (ug/L)	2,4,5-TP (ug/L)	Trichloronate (ug/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<7.00	<0.77	<100.0	NA
Hueco Springs A (DX-68-15-901)	06/07/05	<7.00	<0.77	<50.0	<0.4
Hueco Springs A (DX-68-15-901)	08/30/05	<7.00	<0.77	<50.0	<0.4
Hueco Springs A (DX-68-15-901)	11/29/05	<7.00	<0.77	<50.0	<0.4
Hueco Springs B	03/01/05	<7.00	<0.77	<100.0	NA
Hueco Springs B	06/07/05	<7.00	<0.77	<50.0	<0.4
Hueco Springs B	08/30/05	<7.00	<0.77	<50.0	<0.4
Hueco Springs B	11/29/05	<7.00	<0.77	<50.0	<0.4
Pinto Springs at Mariposa Ranch	07/29/05	<7.00	<0.77	<50.0	<0.4
San Antonio Springs	03/03/05	<7.00	<0.77	<100.0	NA
San Antonio Springs	06/09/05	<7.00	<0.77	<50.0	<0.4
San Antonio Springs	09/01/05	<7.00	<0.77	<50.0	<0.4
San Antonio Springs	12/01/05	<7.00	<0.77	<50.0	<0.4
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<7.00	<0.77	<100.0	<0.4
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<7.00	<0.77	<50.0	<0.4
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<7.00	<0.77	<50.0	<0.4
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<7.00	<0.77	<50.0	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<7.00	<0.77	<100.0	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<7.00	<0.77	<50.0	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<7.00	<0.77	<50.0	<0.4
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<7.00	<0.77	<50.0	<0.4
San Pedro Springs	03/09/05	<7.00	<0.77	<50.0	<0.4
San Pedro Springs	06/09/05	<7.00	<0.77	<50.0	<0.4
San Pedro Springs	09/01/05	<7.00	<0.77	<50.0	<0.4
San Pedro Springs	12/01/05	<7.00	<0.77	<50.0	<0.4

NA = Not Analyzed

Table C-13. Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Acetone (µg/L)	Acetonitrile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)
Comal Springs #3	11/30/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs #7	06/08/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs #7	08/29/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs #7	11/30/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	02/28/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	03/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	06/08/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	08/29/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Comal Springs#1 (DX-68-23-301)	11/30/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	03/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	06/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	08/30/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs A (DX-68-15-901)	11/29/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs B	03/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs B	06/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs B	08/30/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
Hueco Springs B	11/29/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Acetone (µg/L)	Acetone-rile (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Allyl Alcohol (µg/L)	Benzene (µg/L)	Benzyl Chloride (µg/L)	Bromoacetone (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Antonio Springs	03/03/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Antonio Springs	06/09/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Antonio Springs	09/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Antonio Springs	12/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Pedro Springs	03/09/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Pedro Springs	06/09/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Pedro Springs	09/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00
San Pedro Springs	12/01/05	<4.97	<5.00	<5.00	<5.00	<5.00	<1.41	<5.00	<5.00

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Bromo-benzene (µg/L)	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Buta-none (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)
Comal Springs #3	11/30/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs #7	06/08/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs #7	08/29/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs #7	11/30/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs A (DX-68-15-901)	03/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs A (DX-68-15-901)	06/07/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs A (DX-68-15-901)	08/30/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs A (DX-68-15-901)	11/29/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs B	03/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs B	06/07/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs B	08/30/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
Hueco Springs B	11/29/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Bromo-benzene (µg/L)	Bromo-chloro-methane (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	2-Buta-none (µg/L)	Carbon disulfide (µg/L)	Carbon tetra-chloride (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Antonio Springs	03/03/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Antonio Springs	06/09/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Antonio Springs	09/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Antonio Springs	12/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Pedro Springs	03/09/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Pedro Springs	06/09/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Pedro Springs	09/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908
San Pedro Springs	12/01/05	<1.27	<1.43	<1.50	<1.59	<2.70	<9.82	<1.00	<0.908

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	2-Chloro-ethyl vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)
Comal Springs #3	11/30/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs #7	06/08/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs #7	08/29/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs #7	11/30/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs#1 (DX-68-23-301)	02/28/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs#1 (DX-68-23-301)	03/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs#1 (DX-68-23-301)	06/08/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs#1 (DX-68-23-301)	08/29/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Comal Springs#1 (DX-68-23-301)	11/30/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs A (DX-68-15-901)	03/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs A (DX-68-15-901)	06/07/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs A (DX-68-15-901)	08/30/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs A (DX-68-15-901)	11/29/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs B	03/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs B	06/07/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs B	08/30/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
Hueco Springs B	11/29/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Chloral Hydrate (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	2-Chloro-ethyl vinyl ether (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	2-Chloro-toluene (µg/L)	4-Chloro-toluene (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Antonio Springs	03/03/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Antonio Springs	06/09/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Antonio Springs	09/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Antonio Springs	12/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Pedro Springs	03/09/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Pedro Springs	06/09/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Pedro Springs	09/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90
San Pedro Springs	12/01/05	<5.00	<1.56	<1.86	<8.65	<1.60	<2.24	<1.58	<1.90

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	cis-1,2-Dichloro-ethene (µg/L)	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo-3-chloro-propane (µg/L)	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)
Comal Springs #3	11/30/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs #7	06/08/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs #7	08/29/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs #7	11/30/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs A (DX-68-15-901)	03/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs A (DX-68-15-901)	06/07/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs A (DX-68-15-901)	08/30/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs A (DX-68-15-901)	11/29/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs B	03/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs B	06/07/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs B	08/30/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
Hueco Springs B	11/29/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	cis-1,2-Dichloro-ethene (µg/L)	cis-1,3-Dichloro-propene (µg/L)	1,2-Dibromo-3-chloro-propane (µg/L)	Dibromo-chloro-methane (µg/L)	1,2-Dibromo-ethane (µg/L)	Dibromo-methane (µg/L)	Dichloro-difluoro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Antonio Springs	03/03/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Antonio Springs	06/09/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Antonio Springs	09/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Antonio Springs	12/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Pedro Springs	03/09/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Pedro Springs	06/09/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Pedro Springs	09/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24
San Pedro Springs	12/01/05	<1.68	<1.38	<2.14	<1.44	<0.425	<0.568	<0.697	<1.24

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)
Comal Springs #3	11/30/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs #7	06/08/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs #7	08/29/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs #7	11/30/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs A (DX-68-15-901)	03/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs A (DX-68-15-901)	06/07/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs A (DX-68-15-901)	08/30/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs A (DX-68-15-901)	11/29/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs B	03/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs B	06/07/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs B	08/30/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
Hueco Springs B	11/29/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1-Dichloro-ethane (µg/L)	1,2-Dichloro-ethane (µg/L)	1,1-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	1,3-Dichloro-propane (µg/L)	2,2-Dichloro-propane (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Antonio Springs	03/03/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Antonio Springs	06/09/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Antonio Springs	09/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Antonio Springs	12/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.20	<1.09	<1.45	13.400	<0.875	69.80	<0.650	<1.28
San Pedro Springs	03/09/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Pedro Springs	06/09/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Pedro Springs	09/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28
San Pedro Springs	12/01/05	<1.20	<1.09	<1.45	<0.666	<0.875	<1.22	<0.650	<1.28

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexa-chloro-butadiene (µg/L)	2-Hexa-none (µg/L)	Iodo-methane (µg/L)	Isopropyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	m,p-Xylene (µg/L)
Comal Springs #3	11/30/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs #7	06/08/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs #7	08/29/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs #7	11/30/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs A (DX-68-15-901)	03/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs A (DX-68-15-901)	06/07/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs A (DX-68-15-901)	08/30/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs A (DX-68-15-901)	11/29/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs B	03/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs B	06/07/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs B	08/30/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
Hueco Springs B	11/29/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,1-Dichloro-propene (µg/L)	Ethyl-benzene (µg/L)	Hexa-chloro-butadiene (µg/L)	2-Hexa-none (µg/L)	Iodo-methane (µg/L)	Isopropyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	m,p-Xylene (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Antonio Springs	03/03/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Antonio Springs	06/09/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Antonio Springs	09/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Antonio Springs	12/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	3.79
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Pedro Springs	03/09/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Pedro Springs	06/09/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Pedro Springs	09/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88
San Pedro Springs	12/01/05	<1.23	<1.24	<3.41	<9.60	<2.40	<1.10	<1.29	<2.88

Table C-13. Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005 (cont.)

Station Name	Date Sampled	Methyl tert-butyl-ether (µg/L)	4-Methyl-2-pentanone (µg/L)	Methyl-ene Chloride (µg/L)	Naphthalene (µg/L)	n-Butanol (µg/L)	n-Butylbenzene (µg/L)	n-Propylbenzene (µg/L)	o-Xylene (µg/L)
Comal Springs #3	11/30/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs #7	06/08/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs #7	08/29/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs #7	11/30/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs A (DX-68-15-901)	03/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs A (DX-68-15-901)	06/07/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs A (DX-68-15-901)	08/30/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs A (DX-68-15-901)	11/29/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs B	03/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs B	06/07/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs B	08/30/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
Hueco Springs B	11/29/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Methyl tert-butyl-ether (µg/L)	4-Methyl-2-pentanone (µg/L)	Methyl-ene Chloride (µg/L)	Naphthalene (µg/L)	n-Butanol (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	o-Xylene (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Antonio Springs	03/03/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Antonio Springs	06/09/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Antonio Springs	09/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Antonio Springs	12/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	1.68
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Pedro Springs	03/09/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Pedro Springs	06/09/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Pedro Springs	09/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28
San Pedro Springs	12/01/05	<0.50	<12.6	<1.75	<3.96	<5.00	<2.23	<1.22	<1.28

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	sec-Butyl-benzene (µg/L)	Styrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)	Toluene (µg/L)
Comal Springs #3	11/30/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs #7	06/08/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs #7	08/29/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs #7	11/30/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs A (DX-68-15-901)	03/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs A (DX-68-15-901)	06/07/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs A (DX-68-15-901)	08/30/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs A (DX-68-15-901)	11/29/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs B	03/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs B	06/07/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs B	08/30/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
Hueco Springs B	11/29/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	sec-Butyl-benzene (µg/L)	Styrene (µg/L)	tert-Butyl-benzene (µg/L)	1,2,4,5-Tetra-chloro-benzene (µg/L)	1,1,1,2-Tetra-chloro-ethane (µg/L)	1,1,2,2-Tetra-chloro-ethane (µg/L)	Tetra-chloro-ethene (µg/L)	Toluene (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Antonio Springs	03/03/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Antonio Springs	06/09/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Antonio Springs	09/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Antonio Springs	12/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Pedro Springs	03/09/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Pedro Springs	06/09/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Pedro Springs	09/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18
San Pedro Springs	12/01/05	<1.39	<1.37	<1.28	<10	<1.42	<0.629	<1.35	<1.18

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)
Comal Springs #3	11/30/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs #7	06/08/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs #7	08/29/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs #7	11/30/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs A (DX-68-15-901)	03/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs A (DX-68-15-901)	06/07/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs A (DX-68-15-901)	08/30/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs A (DX-68-15-901)	11/29/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs B	03/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs B	06/07/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs B	08/30/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
Hueco Springs B	11/29/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	trans-1,2-Dichloro-ethene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	1,2,3-Trichloro-benzene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (µg/L)	Trichloro-fluoro-methane (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Antonio Springs	03/03/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Antonio Springs	06/09/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Antonio Springs	09/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Antonio Springs	12/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Pedro Springs	03/09/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Pedro Springs	06/09/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Pedro Springs	09/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471
San Pedro Springs	12/01/05	<1.69	<1.21	<3.69	<3.23	<1.26	<0.799	<1.30	<0.471

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,2,3-Trichloro-propane (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)	1,3-Dichloro-propene (µg/L)
Comal Springs #3	11/30/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs #7	06/08/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs #7	08/29/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs #7	11/30/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs#1 (DX-68-23-301)	02/28/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs#1 (DX-68-23-301)	03/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs#1 (DX-68-23-301)	06/08/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs#1 (DX-68-23-301)	08/29/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Comal Springs#1 (DX-68-23-301)	11/30/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs A (DX-68-15-901)	03/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs A (DX-68-15-901)	06/07/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs A (DX-68-15-901)	08/30/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs A (DX-68-15-901)	11/29/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs B	03/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs B	06/07/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs B	08/30/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
Hueco Springs B	11/29/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00

Table C-13. (cont.) Analytical Data for Volatile Organic Compounds (VOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,2,3-Trichloro-propane (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	Vinyl acetate (µg/L)	Vinyl chloride (µg/L)	1,3-Dichloro-propene (µg/L)
Pinto Springs at Mariposa Ranch	07/29/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Antonio Springs	03/03/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Antonio Springs	06/09/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Antonio Springs	09/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Antonio Springs	12/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<2.8	2.59	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Pedro Springs	03/09/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Pedro Springs	06/09/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Pedro Springs	09/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00
San Pedro Springs	12/01/05	<2.8	<1.5	<1.38	<28.3	<1.27	<5.00

NA = Not Analyzed

Table C-14. Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Acena-phthene (µg/L)	Acena-phthylene (µg/L)	Aniline (µg/L)	Anthra-cene (µg/L)	Azoben-zene (µg/L)	Benzidine (µg/L)	Benzo(a) anthracene (µg/L)	Benzo(a) pyrene (µg/L)
Comal Springs #3	11/30/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #7	06/08/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #7	08/29/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs #7	11/30/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	02/28/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	03/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	06/08/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	08/29/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Comal Springs#1 (DX-68-23-301)	11/30/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs A (DX-68-15-901)	03/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs A (DX-68-15-901)	06/07/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs A (DX-68-15-901)	08/30/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs A (DX-68-15-901)	11/29/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs B	03/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs B	06/07/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs B	08/30/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Hueco Springs B	11/29/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
Pinto Springs at Mariposa Ranch	07/29/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Antonio Springs	03/03/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Antonio Springs	06/09/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Antonio Springs	09/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Antonio Springs	12/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Acena-phthene (µg/L)	Acena-phthylene (µg/L)	Aniline (µg/L)	Anthra-cene (µg/L)	Azoben-zene (µg/L)	Benzidine (µg/L)	Benzo (a) anthracene (µg/L)	Benzo (a) pyrene (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	03/09/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	06/09/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	09/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01
San Pedro Springs	12/01/05	<0.99	<1.11	<0.44	<1.01	<0.73	<0.25	<1.03	<1.01

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Benzo (b) fluoranthene (µg/L)	Benzo (g,h,i) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	Bis (2-chloroethoxy) methane (µg/L)	Bis (2-chloroethyl) ether (µg/L)	Bis (2-chloroisopropyl) ether (µg/L)
Comal Springs #3	11/30/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
Comal Springs #7	06/08/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Comal Springs #7	08/29/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Comal Springs #7	11/30/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Benzo(b) fluoranthene (µg/L)	Benzo (g,h,i) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	bis(2-chloroethoxy) methane (µg/L)	bis(2-chloroethyl)ether (µg/L)	bis(2-chloroisopropyl) ether (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Hueco Springs A (DX-68-15-901)	06/07/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
Hueco Springs A (DX-68-15-901)	08/30/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Hueco Springs A (DX-68-15-901)	11/29/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
Hueco Springs B	03/01/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Hueco Springs B	06/07/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
Hueco Springs B	08/30/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
Hueco Springs B	11/29/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
Pinto Springs at Mariposa Ranch	07/29/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Antonio Springs	03/03/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Antonio Springs	06/09/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Antonio Springs	09/01/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Antonio Springs	12/01/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66
San Pedro Springs	03/09/05	<1.54	<1.12	<1.05	12.0	<0.54	<0.86	<0.72	<1.66
San Pedro Springs	06/09/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Pedro Springs	09/01/05	<1.54	<1.12	<1.05	<1.0	<5.00	<0.86	<0.72	<1.66
San Pedro Springs	12/01/05	<1.54	<1.12	<1.05	<1.0	<0.54	<0.86	<0.72	<1.66

NA = Not Analyzed

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	bis(2-ethyl-hexyl) adipate (µg/L)	bis(2-ethyl-hexyl) phthalate (µg/L)	4-Bromo-phenyl phenyl ether (µg/L)	Butyl benzyl phthalate (µg/L)	4-Chloro-3-methyl-phenol (µg/L)	4-Chloro-aniline (µg/L)	2-Chloro-naphthalene (µg/L)	2-Chloro-phenol (µg/L)
Comal Springs #3	11/30/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs #7	06/08/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs #7	08/29/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs #7	11/30/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs#1 (DX-68-23-301)	02/28/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs#1 (DX-68-23-301)	03/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs#1 (DX-68-23-301)	06/08/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs#1 (DX-68-23-301)	08/29/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Comal Springs#1 (DX-68-23-301)	11/30/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs A (DX-68-15-901)	03/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs A (DX-68-15-901)	06/07/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs A (DX-68-15-901)	08/30/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs A (DX-68-15-901)	11/29/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs B	03/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs B	06/07/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs B	08/30/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Hueco Springs B	11/29/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
Pinto Springs at Mariposa Ranch	07/29/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Antonio Springs	03/03/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Antonio Springs	06/09/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Antonio Springs	09/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Antonio Springs	12/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	bis(2-ethyl-hexyl) adipate (µg/L)	bis(2-ethyl-hexyl) phthalate (µg/L)	4-Bromo-phenyl phenyl ether (µg/L)	Butyl benzyl phthalate (µg/L)	4-Chloro-3-methyl-phenol (µg/L)	4-Chloro-aniline (µg/L)	2-Chloro-naphthalene (µg/L)	2-Chloro-phenol (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	4.44	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Pedro Springs	03/09/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Pedro Springs	06/09/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Pedro Springs	09/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74
San Pedro Springs	12/01/05	<2.77	<1.77	<0.95	<2.08	<0.73	<0.75	<1.2	<0.74

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	4-Chloro-phenyl phenyl ether (µg/L)	Chrysene (µg/L)	Cresols (total) (µg/L)	Dibenz(a,h) anthracene (µg/L)	Dibenz(a,j) acridine (µg/L)	Dibenzo-furan (µg/L)	3,3'-Dichloro-benzidine (µg/L)	1,2-Dichloro-benzene (µg/L)
Comal Springs #3	11/30/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs #7	06/08/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs #7	08/29/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs #7	11/30/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	4-Chloro-phenyl ether (µg/L)	Chrysene (µg/L)	Cresols (total) (µg/L)	Dibenz(a,h) anthracene (µg/L)	Dibenz(a,j) acridine (µg/L)	Dibenzo-furan (µg/L)	3,3'-Dichloro-benzidine (µg/L)	1,2-Dichloro-benzene (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Hueco Springs A (DX-68-15-901)	06/07/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Hueco Springs A (DX-68-15-901)	08/30/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Hueco Springs A (DX-68-15-901)	11/29/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Hueco Springs B	03/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Hueco Springs B	06/07/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Hueco Springs B	08/30/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Hueco Springs B	11/29/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
Pinto Springs at Mariposa Ranch	07/29/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Antonio Springs	03/03/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Antonio Springs	06/09/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Antonio Springs	09/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Antonio Springs	12/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Pedro Springs	03/09/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Pedro Springs	06/09/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Pedro Springs	09/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24
San Pedro Springs	12/01/05	<1.06	<1.01	<2.02	<1.2	<5	<0.99	<2.59	<1.24

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	2,4-Dichloro-phenol (µg/L)	2,6-Dichloro-phenol (µg/L)	Diethyl-phthalate (µg/L)	Dimethyl-phthalate (µg/L)	2,4-Dimethyl-phenol (µg/L)	Di-n-butyl phthalate (µg/L)
Comal Springs #3	11/30/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs #7	06/08/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs #7	08/29/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs #7	11/30/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs A (DX-68-15-901)	03/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs A (DX-68-15-901)	06/07/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs A (DX-68-15-901)	08/30/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs A (DX-68-15-901)	11/29/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs B	03/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs B	06/07/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs B	08/30/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Hueco Springs B	11/29/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
Pinto Springs at Mariposa Ranch	07/29/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Antonio Springs	03/03/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Antonio Springs	06/09/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Antonio Springs	09/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Antonio Springs	12/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	2,4-Dichloro-phenol (µg/L)	2,6-Dichloro-phenol (µg/L)	Diethyl-phthalate (µg/L)	Dimethyl-phthalate (µg/L)	2,4-Dimethyl-phenol (µg/L)	Di-n-butyl phthalate (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Pedro Springs	03/09/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Pedro Springs	06/09/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Pedro Springs	09/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07
San Pedro Springs	12/01/05	<1.20	<1.09	<0.98	<0.91	<1.1	<0.86	<0.37	<1.07

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	4,6-Dinitro-2-methyl-phenol (µg/L)	2,4-Dinitro-phenol (µg/L)	2,4-Dinitro-toluene (µg/L)	2,6-Dinitro-toluene (µg/L)	Di-n-octyl phthalate (µg/L)	Fluor-anthene (µg/L)	Fluorene (µg/L)	Hexachloro-benzene (µg/L)
Comal Springs #3	11/30/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs #7	06/08/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs #7	08/29/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs #7	11/30/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs#1 (DX-68-23-301)	02/28/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs#1 (DX-68-23-301)	03/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs#1 (DX-68-23-301)	06/08/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs#1 (DX-68-23-301)	08/29/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Comal Springs#1 (DX-68-23-301)	11/30/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	4,6-Dinitro-2-methyl-phenol (µg/L)	2,4-Dinitro-phenol (µg/L)	2,4-Dinitro-toluene (µg/L)	2,6-Dinitro-toluene (µg/L)	Di-n-octyl phthalate (µg/L)	Fluor-anthene (µg/L)	Fluorene (µg/L)	Hexachloro-benzene (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Hueco Springs A (DX-68-15-901)	06/07/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Hueco Springs A (DX-68-15-901)	08/30/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Hueco Springs A (DX-68-15-901)	11/29/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Hueco Springs B	03/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Hueco Springs B	06/07/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Hueco Springs B	08/30/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Hueco Springs B	11/29/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
Pinto Springs at Mariposa Ranch	07/29/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Antonio Springs	03/03/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Antonio Springs	06/09/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Antonio Springs	09/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Antonio Springs	12/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Pedro Springs	03/09/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Pedro Springs	06/09/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Pedro Springs	09/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01
San Pedro Springs	12/01/05	<1.21	<0.12	<1.11	<1.19	<2.58	<0.95	<1.15	<1.01

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Hexachloro-butadiene (µg/L)	Hexachloro-cyclopentadiene (µg/L)	Hexachloro-ethane (µg/L)	Indeno (1,2,3-cd)pyrene (µg/L)	Isophorone (µg/L)	2-Methylnaphthalene (µg/L)	2-Methylphenol (µg/L)	4-Methylphenol (µg/L)
Comal Springs #3	11/30/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs #7	06/08/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs #7	08/29/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs #7	11/30/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs#1 (DX-68-23-301)	02/28/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs#1 (DX-68-23-301)	03/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs#1 (DX-68-23-301)	06/08/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs#1 (DX-68-23-301)	08/29/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Comal Springs#1 (DX-68-23-301)	11/30/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs A (DX-68-15-901)	03/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs A (DX-68-15-901)	06/07/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs A (DX-68-15-901)	08/30/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs A (DX-68-15-901)	11/29/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs B	03/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs B	06/07/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs B	08/30/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Hueco Springs B	11/29/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
Pinto Springs at Mariposa Ranch	07/29/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Antonio Springs	03/03/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Antonio Springs	06/09/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Antonio Springs	09/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Antonio Springs	12/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Hexachloro-butadiene (µg/L)	Hexachloro-cyclopentadiene (µg/L)	Hexachloro-ethane (µg/L)	Indeno (1,2,3-cd) pyrene (µg/L)	Isophorone (µg/L)	2-Methylnaphthalene (µg/L)	2-Methylphenol (µg/L)	4-Methylphenol (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Pedro Springs	03/09/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Pedro Springs	06/09/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Pedro Springs	09/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98
San Pedro Springs	12/01/05	<3.41	<0.81	<1.03	<1.12	<0.8	<1.01	<1.04	<0.98

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	M&P Cresol (µg/L)	Naphthalene (µg/L)	2-Nitroaniline (µg/L)	3-Nitroaniline (µg/L)	4-Nitroaniline (µg/L)	Nitrobenzene (µg/L)	2-Nitrophenol (µg/L)	4-Nitrophenol (µg/L)
Comal Springs #3	11/30/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs #7	06/08/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs #7	08/29/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs #7	11/30/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs#1 (DX-68-23-301)	02/28/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs#1 (DX-68-23-301)	03/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs#1 (DX-68-23-301)	06/08/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs#1 (DX-68-23-301)	08/29/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Comal Springs#1 (DX-68-23-301)	11/30/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs A (DX-68-15-901)	03/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs A (DX-68-15-901)	06/07/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs A (DX-68-15-901)	08/30/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs A (DX-68-15-901)	11/29/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs B	03/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs B	06/07/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs B	08/30/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Hueco Springs B	11/29/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
Pinto Springs at Mariposa Ranch	07/29/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Antonio Springs	03/03/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Antonio Springs	06/09/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Antonio Springs	09/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Antonio Springs	12/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Pedro Springs	03/09/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Pedro Springs	06/09/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Pedro Springs	09/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2
San Pedro Springs	12/01/05	NA	<3.96	<0.77	<1.11	<1.21	<0.65	<1.13	<0.2

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	n-Nitro-sodiethyl-amine (µg/L)	n-Nitro-sodimethyl-amine (µg/L)	n-Nitro-sodi-n-propyl-amine (µg/L)	n-Nitro-sodiphenyl-amine (µg/L)	Penta-chloro-benzene (µg/L)	Penta-chloro-phenol (µg/L)	Phenan-threne (µg/L)	Phenol (µg/L)
Comal Springs #3	11/30/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Comal Springs #7	06/08/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Comal Springs #7	08/29/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Comal Springs #7	11/30/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Comal Springs#1 (DX-68-23-301)	02/28/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
Comal Springs#1 (DX-68-23-301)	03/01/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
Comal Springs#1 (DX-68-23-301)	06/08/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Comal Springs#1 (DX-68-23-301)	08/29/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Comal Springs#1 (DX-68-23-301)	11/30/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Hueco Springs A (DX-68-15-901)	03/01/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
Hueco Springs A (DX-68-15-901)	06/07/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Hueco Springs A (DX-68-15-901)	08/30/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Hueco Springs A (DX-68-15-901)	11/29/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Hueco Springs B	03/01/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
Hueco Springs B	06/07/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Hueco Springs B	08/30/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Hueco Springs B	11/29/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Pinto Springs at Mariposa Ranch	07/29/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Antonio Springs	03/03/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
San Antonio Springs	06/09/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Antonio Springs	09/01/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Antonio Springs	12/01/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	n-Nitro-sodiethyl-amine (µg/L)	n-Nitro-sodimethyl-amine (µg/L)	n-Nitro-sodi-n-propyl-amine (µg/L)	n-Nitro-sodiphenyl-amine (µg/L)	Penta-chloro-benzene (µg/L)	Penta-chloro-phenol (µg/L)	Phenan-threne (µg/L)	Phenol (µg/L)
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Pedro Springs	03/09/05	<2	<7.47	<0.68	<1.85	<1.05	<1.29	<0.96	<0.27
San Pedro Springs	06/09/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Pedro Springs	09/01/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
San Pedro Springs	12/01/05	<2	<7.47	<0.68	<1.85	<1.05	<100.00	<0.96	<0.27
Station Name	Date Sampled	Pyrene (µg/L)	Pyridine (µg/L)	1,2,4-Trichloro-benzene (µg/L)	2,4,5-Trichloro-phenol (µg/L)	2,4,6-Trichloro-phenol (µg/L)			
Comal Springs #3	11/30/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs #7	06/08/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs #7	08/29/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs #7	11/30/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs#1 (DX-68-23-301)	02/28/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs#1 (DX-68-23-301)	03/01/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs#1 (DX-68-23-301)	06/08/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs#1 (DX-68-23-301)	08/29/05	<2.28	<0.51	<3.23	<1.42	<1.16			
Comal Springs#1 (DX-68-23-301)	11/30/05	<2.28	<0.51	<3.23	<1.42	<1.16			

Table C-14. (cont.) Analytical Data for Semivolatile Organic Compounds (SVOCs) in Water Samples from Springs Discharging from the Edwards Aquifer, 2005

Station Name	Date Sampled	Pyrene (µg/L)	Pyridine (µg/L)	1,2,4-Trichloro-benzene (µg/L)	2,4,5-Trichloro-phenol (µg/L)	2,4,6-Trichloro-phenol (µg/L)
Hueco Springs A (DX-68-15-901)	03/01/05	<2.28	<0.51	<3.23	<1.42	<1.16
Hueco Springs A (DX-68-15-901)	06/07/05	<2.28	<0.51	<3.23	<1.42	<1.16
Hueco Springs A (DX-68-15-901)	08/30/05	<2.28	<0.51	<3.23	<1.42	<1.16
Hueco Springs A (DX-68-15-901)	11/29/05	<2.28	<0.51	<3.23	<1.42	<1.16
Hueco Springs B	03/01/05	<2.28	<0.51	<3.23	<1.42	<1.16
Hueco Springs B	06/07/05	<2.28	<0.51	<3.23	<1.42	<1.16
Hueco Springs B	08/30/05	<2.28	<0.51	<3.23	<1.42	<1.16
Hueco Springs B	11/29/05	<2.28	<0.51	<3.23	<1.42	<1.16
Pinto Springs at Mariposa Ranch	07/29/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Antonio Springs	03/03/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Antonio Springs	06/09/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Antonio Springs	09/01/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Antonio Springs	12/01/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	03/07/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	06/06/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	09/01/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Deep (LR-67-01-819)	11/28/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	03/07/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	06/06/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	08/31/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Marcos Springs-Hotel (LR-67-01-801)	11/28/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Pedro Springs	03/09/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Pedro Springs	06/09/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Pedro Springs	09/01/05	<2.28	<0.51	<3.23	<1.42	<1.16
San Pedro Springs	12/01/05	<2.28	<0.51	<3.23	<1.42	<1.16

NA = Not Analyzed

APPENDIX D –

Conversion Factors

Volume	Equivalent Units
One cubic foot	7.48 gallons
	62.41 lbs. of water
One acre-foot	43,560 cubic feet
	325,851 gallons
	Covers one acre of land (209 feet by 209 feet) one foot deep
One million gallons	3.07 acre-feet

Flow Rate	
One cubic foot per second (cfs)	448.80 gallons per minute
	646,272 gallons per day
	1.98 acre-feet per day
	19.4 million gallons per day
	59.50 acre-feet per month
	236 million gallons per year
	723 acre-feet per year
One million gallons per day (mgd)	3.07 acre-feet per day
	1,120.55 acre-feet per year
1,000 gallons per minute (gpm)	2.23 cfs
	4.42 acre-feet per day

Cost	
Ten cents per 1,000 gallons	\$100.00 per one million gallons
	\$32.59 per acre foot
0.61 cents per 1,000 gallons	\$2.00 per acre foot
7.7 cents per 1,000 gallons	\$25.00 per acre foot

Metric conversions	
One acre	0.4 hectares
One gallon	3.8 liters
One cubic foot	0.028 cubic meters
One cubic meter per second	15,852 gallons per minute
	951,120 gallons per hour



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