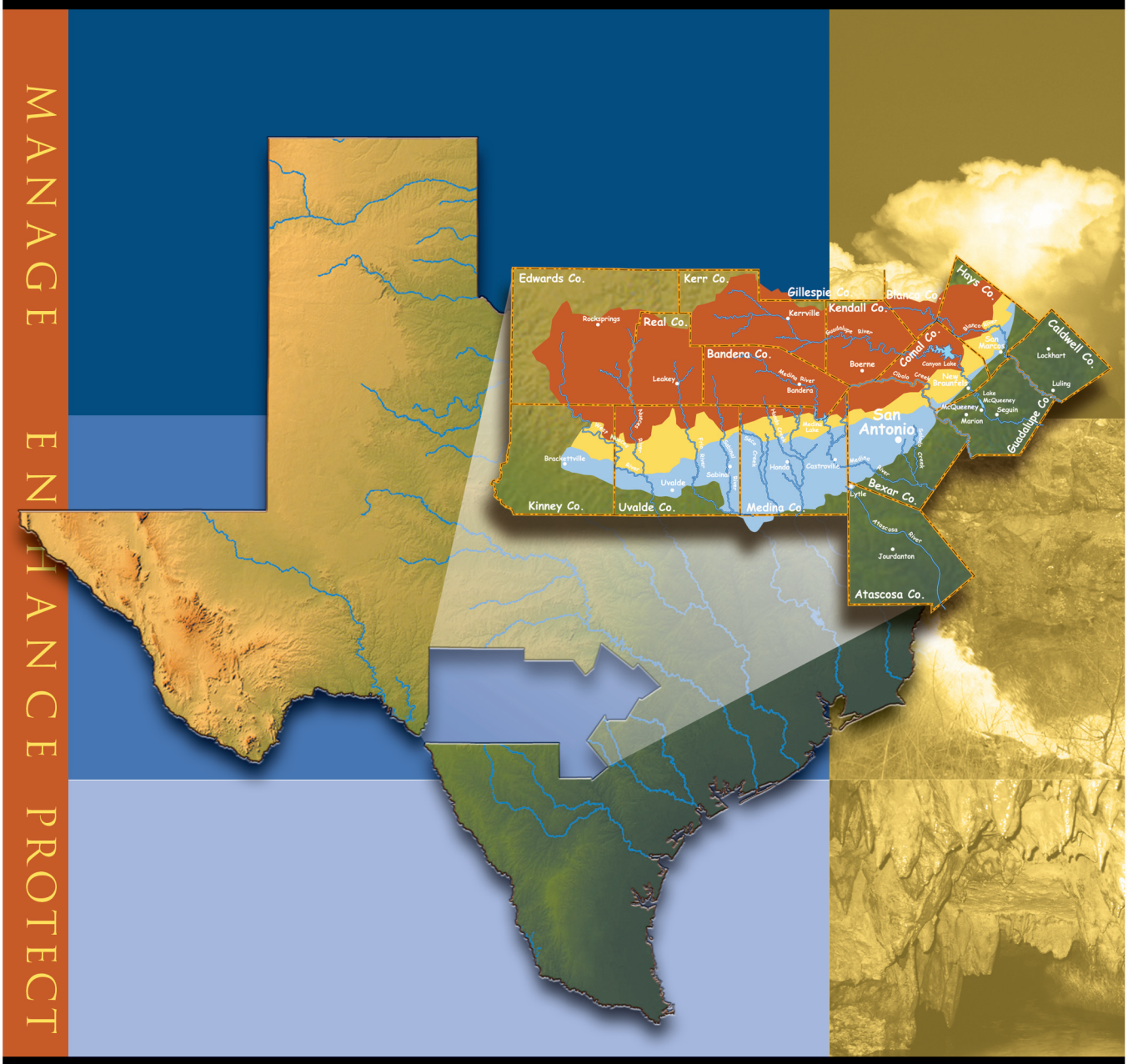
# Edwards Aquifer Authority
# Hydrologic Data Report for 2011

MANAGE ENHANCE PROTECT




October 2012

Report No. 12-04

EDWARDS AQUIFER
AUTHORITY

EDWARDS AQUIFER
AUTHORITY

# EDWARDS AQUIFER AUTHORITY HYDROLOGIC DATA REPORT FOR 2011


Compiled by:

J. Mark Hamilton, Hydrogeology Supervisor
Steve Johnson, Hydrogeology Supervisor
Roberto Esquilin, Senior Hydrogeologist
Chanda Burgoon, Environmental Science Technician
Gizelle Luevano, Environmental Science Technician
David Gregory, Environmental Science Technician
Jesse Mireles, Data Collection Supervisor
Ron Gloyd, Gauging System Technician

*Geary M. Schindel,*
*Chief Technical Officer, Aquifer Science Program Manager*



**October 2012**

1615 N. St. Mary's Street
San Antonio, Texas 78215

http://www.edwardsaquifer.org

# CONTENTS



## Figures

## Tables



## APPENDICES

# SUMMARY

This report presents results of the Edwards Aquifer Authority's (EAA's) Edwards Aquifer Data Collection Program for calendar year 2011. During 2011, the EAA 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; and,
- Significant events affecting the Edwards Aquifer.

## Groundwater Level Data (p. 8–15)

Water levels at the Bexar County (J-17) index well were below the historical mean for most of the year. The maximum level of 674.50 feet above msl at J-17 occurred during January, and the low of 639.86 feet above msl occurred in June.

Water levels at the Uvalde County (J-27) index well were below the historical mean for the entire year. The maximum level of 864.28 feet above msl at J-27 occurred in January, and the low of 847.38 occurred in October.

Other wells in the region exhibited similar behavior with regard to lower than normal water levels. The Comal County observation well had an annual high water level slightly above the historical mean high; however, for most of the year, this well also exhibited lower than normal water levels.

## Precipitation Measurement Data (p. 16–24)

Precipitation in the Edwards Aquifer region for 2011 was below that of the period of record (1934–2011). Rainfall amounts in Comal and Hays counties were the highest; however, even these counties were well below normal for the year. In general, the region received between 50 and 60 percent of mean (or normal) precipitation during the year.

## Groundwater Recharge Data (p. 25–30)

Total estimated recharge to the Edwards Aquifer was significantly below normal in 2011. Recharge for the year was estimated at 112,000 acre-feet, whereas the period-of-record (1934–2011) median annual recharge value is 559,400 acre-feet. Compared with recharge for the period of record, recharge in 2011 was approximately 20 percent of the period-of-record median value for all basins and was the second lowest recharge on record.

## Groundwater Discharge and Usage Data (p. 31–42)

In 2011, total groundwater discharge from the Edwards Aquifer through wells and springs was estimated at 692,870 acre-feet. This amount is below the median total discharge of 699,200 acre-feet for the period of record (1934–2011).

Discharge from wells in 2011 was estimated to be 427,653 acre-feet, almost 100,000 acre-feet above the 327,500 acre-foot period of record (1934–2011) median. The lowest annual estimated discharge from wells for the period of record was 101,900 acre-feet in 1934, and the highest was 542,400 acre-feet in 1989.

Discharge from springs in 2011 was estimated at 265,217 acre-feet, significantly below the period of record median of 384,200 acre-feet. The lowest annual discharge from springs for the period of record (1934–2011) was 69,800 acre-feet in 1956, and the highest was 802,800 acre-feet in 1992. Spring discharge in 2011 was the fifteenth lowest discharge on record.

## Water Quality Data from Groundwater, Surface Water, and Springs (p. 43–64)

A total of 71 wells, six spring groups, and 10 streams were sampled under the EAA water quality sampling program in 2011. Many of the wells and springs were sampled multiple times to evaluate temporal changes in water quality at select locations. The EAA water quality

program included testing for many different types of compounds. Whereas not all sample points were tested for each of the analyses listed below, the cumulative results of the annual testing program are intended to be representative of general water quality across the region. Analytical testing for the following compounds was performed: bacteria, nutrients, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, pesticides, herbicides, polychlorinated bi-phenyls (PCBs), and limited analyses for personal care and pharmaceutical products (PPCPs).

Whereas most sample results did not indicate anthropogenic impacts at the sample point, some compounds of concern were detected at low concentrations in various wells and springs and one surface water sample. In well samples, 27 VOC detections were noted at 13 different wells, 19 percent of the 69 wells sampled. Tetrachloroethene (PCE) and chloroform account for over 50 percent of the VOC detections. However, none of the detections were at concentrations in excess of the applicable regulatory standards for drinking water. Samples collected for pesticide and herbicide analyses resulted in seven detections. Two elevated nitrate (nutrient) detections were noted in wells also. Again, none of the detections were in excess of the applicable regulatory standards.

Samples collected at springs indicated some detections of VOCs, SVOCs, pesticides, herbicides, metals, and one PCB. Although at least one pesticide sample set was verified as a laboratory artifact (at Comal Springs), other sample results indicate the possibility of anthropogenic impacts. Detections included one PCB compound in a sample from Comal Springs at a concentration above the regulatory limit. Comal Springs was sampled monthly at three locations during the year. Four VOC detections were noted out of 78 spring samples (five percent), and seven pesticide detections in 77 samples (nine percent). Arsenic was detected above the regulatory limit in one Comal Springs sample, as was antimony in a Blanco River sample.

Personal care and pharmaceutical product sampling performed in 2011 provided some insight into the presence of these compounds in groundwater. In the five wells and one spring sampled, only one well was nondetect with regard to these compounds. Unlike other analytical results previously discussed, PPCP analyses are performed such that these compounds are detected at nanogram per liter (ng/L) concentrations or parts per trillion. Therefore, the detections noted were all at very low concentrations. The types of PPCP compounds detected were estrogen hormones (one well and at Comal Springs), antibiotics (four wells), an antibacterial soap ingredient (one well), and nicotine metabolite (one well). Note that at the time of testing for these compounds, no regulatory standards existed for their presence in drinking water. Concentrations for detected PPCP compounds ranged from 0.31 to 6.9 ng/L.

Sample-Collection Summary Calendar Year 2011

Bacteria Samples
- 63 samples collected at 54 wells
- 65 samples collected at five spring groups
- 12 samples collected at ten stream sites

Metals Samples
- 80 samples collected at 70 wells
- 78 samples collected at six spring groups
- 15 samples collected at ten stream sites

Nitrate-Nitrite as Nitrogen
- 88 samples collected at 72 wells
- 78 samples collected at six spring groups
- 15 samples collected at ten stream sites

Volatile Organic Compounds
- 83 samples collected at 69 wells
- 78 samples collected at six spring groups
- one sample collected at one stream site

Semivolatile Organic Compounds
- 22 samples collected at eight wells
- 77 samples collected at five spring groups

Pesticide and/or Herbicide Compounds
- 50 samples collected at 48 wells
- 77 samples collected at five spring groups
- 13 samples collected at eight stream sites

Polychlorinated Bi-Phenyls
- 48 samples collected at 48 wells
- 77 samples collected at five spring groups
- 13 samples collected at eight stream sites

Pharmaceutical and Personal Care Products

- five samples collected at five wells
- one sample collected at one spring group (Comal)

## Significant Events Affecting the Edwards Aquifer in Calendar Year 2011

### (p. 65–68)

The most significant event affecting the Edwards Aquifer during the year was the record-setting drought that affected the entire state as well as the Edwards Aquifer region. According to the state climatologist, the period October 2010 through September 2011 was the driest 12-month period on record for the state. Extremely low rainfall amounts were exacerbated by higher than normal temperatures and frequent high winds across the state. The aquifer received approximately 20 percent of normal recharge for the year. However, the drainage basins that recharge Kinney, Uvalde, and Medina counties received only about ten percent of normal recharge for the year. Dry conditions and lack of recharge caused aquifer levels to drop throughout most of the year, resulting in mandatory water conservation measures across the region.

# INTRODUCTION

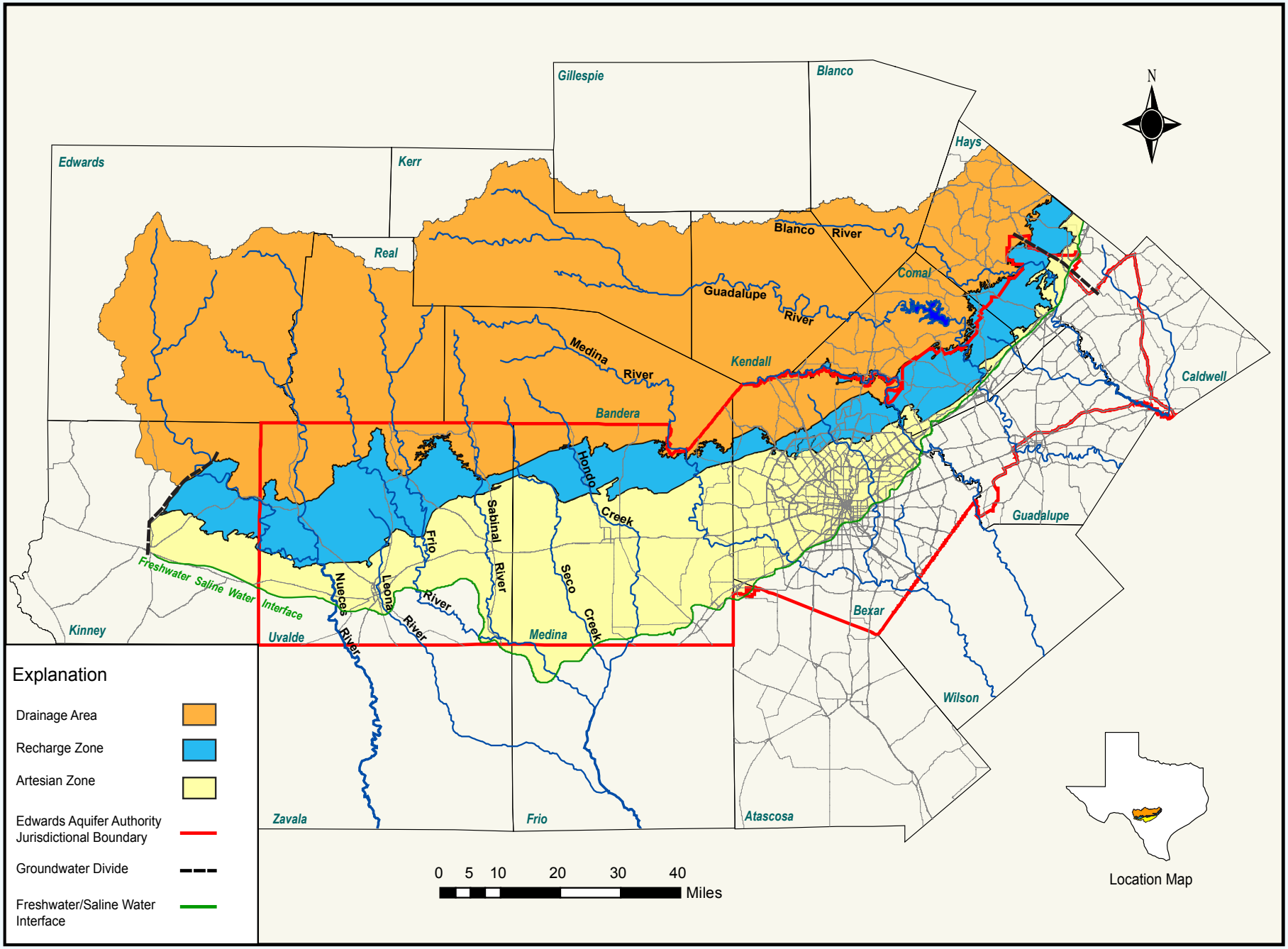
The Southern Segment of the Balcones Fault Zone Edwards Aquifer (Edwards Aquifer) in south central Texas is one of the most permeable and productive aquifers in the United States. The Edwards Aquifer Authority (EAA) area of interest, which is the subject of this report, extends from the groundwater divide east of 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 (Figure 1). The aquifer is the primary source of water for almost two million people in the region (http://quickfacts.census.gov/qfd/) and also 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 water for downstream interests in the Guadalupe River Basin.

The EAA was created by the Texas Legislature in 1993 to succeed the Edwards Underground Water District (EUWD) as a special regional water management district for the Edwards Aquifer. The EAA's jurisdictional area encompasses all or parts of Uvalde, Medina, Atascosa, Bexar, Comal, Guadalupe, Hays, and Caldwell counties (Figure 1). The EAA is governed by a 17-member board of directors, with voting members elected to represent 15 districts across the EAA's region and two nonvoting members appointed by other entities. The board is constructed to 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 EAA when issues that could impact down-stream water rights are being considered.

The Legislature mandated that the EAA take all necessary measures to effectively manage the resource to ensure domestic and municipal water supplies, to provide water supplies for agriculture and industry, to protect terrestrial and aquatic habitat, and to sustain the economic development of the region. To accomplish these goals, the EAA 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." (From the Edwards Aquifer Authority Act, as amended. The Act may be viewed at www.edwardsaquifer.org.)

This report presents results of the EAA's Edwards Aquifer data collection program for calendar year 2011. The EAA and cooperating agencies collected a wide variety of data regarding the Edwards Aquifer, including aquifer levels, precipitation measurements, recharge estimates, groundwater discharge and use, and water quality samples. In addition, the report contains historical aquifer recharge and discharge data for the period of record (1934–2011). Later sections contain definitions and references.

## Figure 1. The Edwards Aquifer and other Physiographic Features in the Region



# HYDROGEOLOGY OF THE EDWARDS AQUIFER

The Balcones Fault Zone Edwards Aquifer in south central Texas is one of the largest and most productive karst aquifer systems in the United States. The physical extent of the aquifer 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 and surrounding communities. Historically the cities of Uvalde, San Antonio, New Braunfels, and San Marcos were founded around large springs that discharge from the aquifer. As the region grew and technology improved, wells were drilled into the aquifer to supplement water supplied by the springs. In addition, the Edwards Aquifer is the principal source of water for agriculture and industry in the region and provides springflow required for endangered species habitat, as well as recreational purposes and downstream uses in the Nueces, San Antonio, and Guadalupe river basins.

The Edwards Aquifer is contained within the Cretaceous-age Edwards Group limestone (Edwards Limestone) and associated units. The Edwards Limestone is generally capped by the Del Rio Clay and overlies the Upper Glen Rose Formation (upper unit of the Trinity Aquifer). The Edwards Limestone forms the top of the Edwards Plateau within the drainage area of the aquifer. However, the Edwards Limestone is missing from the south and east flanks of the plateau as a result of erosion along the Balcones Escarpment. Normal faulting, associated with the Balcones Fault Zone, has downfaulted the geologic units in this area, resulting in the formation of the Texas Hill Country by erosion across the fault scarps. Generally, from northwest to southeast across this region, the Edwards Limestone is exposed along much of the plateau area until reaching the Hill Country, where the older Glen Rose Formation is exposed throughout. Moving farther south and east, the Edwards Limestone is again present and exposed at the surface. This surface exposure is the recharge zone of the Edwards Aquifer. Farther south and east, downfaulting has dropped the Edwards Limestone even farther below the surface in the artesian zone of the Edwards Aquifer. Here the Edwards Aquifer produces freshwater from depths as great as 3,400 ft below the surface. The southern boundary of the artesian zone (Figure 1) marks the aquifer's transition from freshwater to saline water (water with a total dissolved solids [TDS] concentration greater than 1,000 mg/L).

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 where water enters the aquifer. Streams flow south or east from the drainage area (the Texas Hill Country and Edwards Plateau) and lose all or most of their baseflow 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. Within the artesian zone, it is one of the most productive groundwater systems in the United States, characterized by extremely high capacity water wells and high spring discharges. The aquifer exhibits extremely high (cavernous) porosity and permeability, 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, 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, storage, and use of hazardous substances 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 allow inflow of contaminants from the ground surface with little or no filtration.

# GROUNDWATER LEVELS

The EAA currently maintains a groundwater level monitoring network from eastern Kinney County to central Hays County. Figures 2a–c indicate the location of wells in the EAA's observation network within the Edwards Aquifer region. The water level observation network includes the recharge (unconfined) and artesian (confined) zones of the Edwards Aquifer and wells within the Trinity and Leona Gravel aquifers. Water levels are monitored through periodic manual measurements (tape down) or electronic data loggers and recorded in feet above mean sea level (msl). Many of the wells have at least partial historical records dating back to the 1930s.

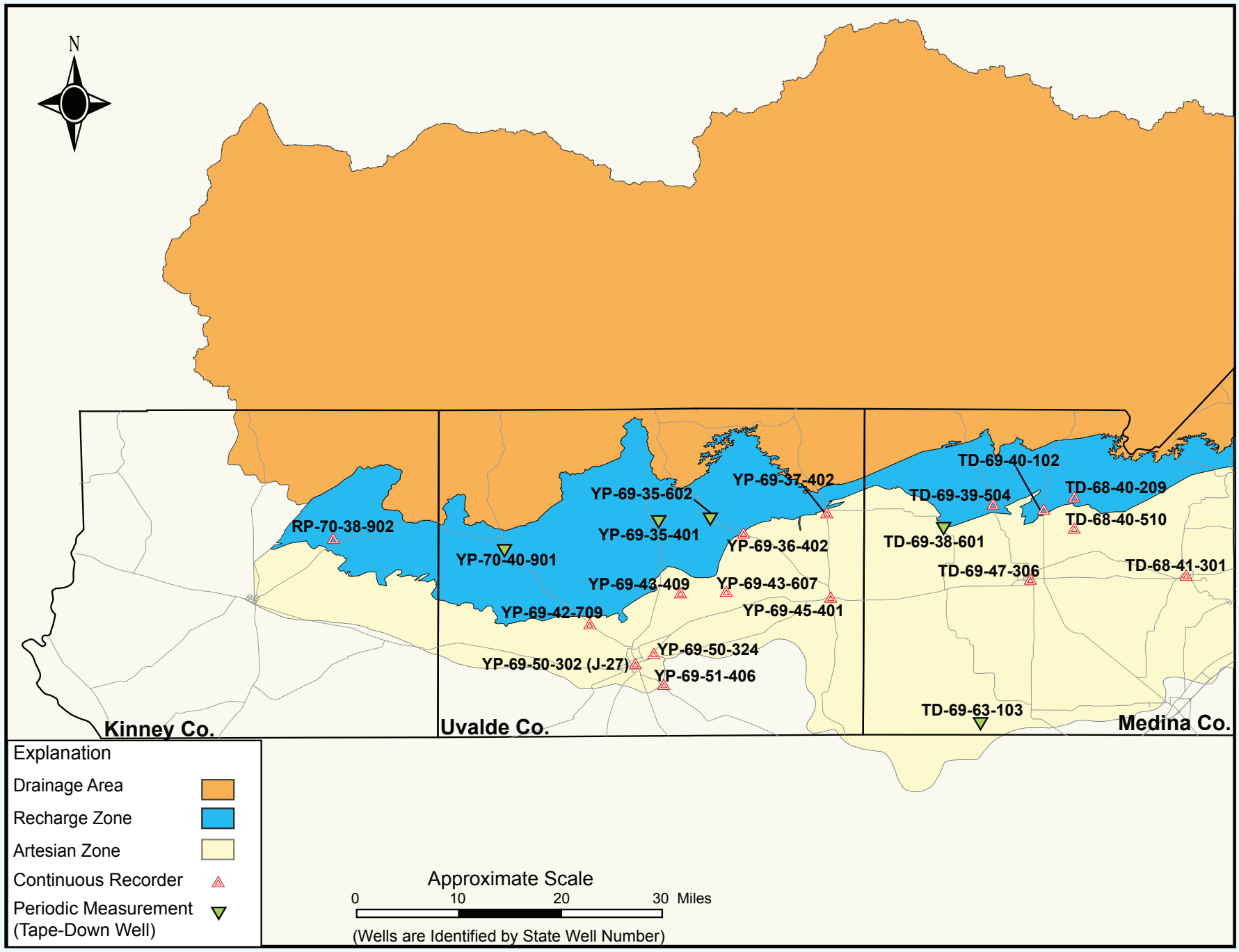
In 2011, the EAA's Water Level Data Collection Program consisted of 52 electronic data logger-equipped observation wells and 15 tape-down wells. EAA staff also measure over 150 additional wells as part of a regional synoptic water level monitoring program each year. Focused synoptic measurements have been collected in Comal and Hays counties since 2006, with the goal of improving understanding of aquifer behavior in this area. Synoptic measurements are generally obtained with steel-tape or electric-line measuring devices. Water level data collected by the EAA are forwarded to interested federal, state, and regional agencies.

The EAA and its predecessor, the 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 monitoring 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.

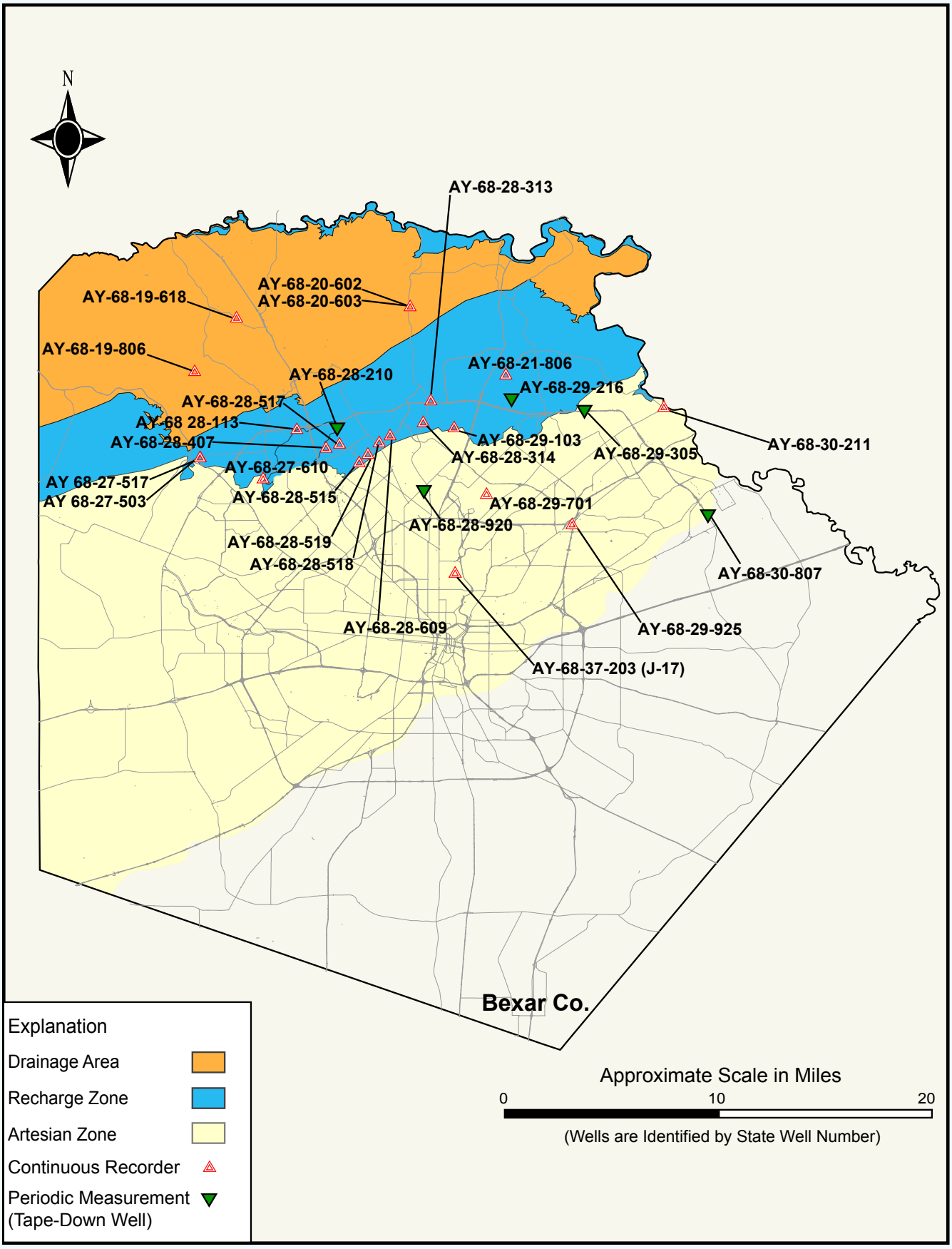
Table 1 lists the annual records of high, low, mean, and median water levels measured in five selected Edwards Aquifer observation wells across the region. For the period of record, water levels are typically highest in the spring and lowest in the summer, before rebounding in the fall and winter. During 2011, water levels across the region were below the historical mean and median values. One of the five listed observation wells, Comal County well DX-68-23-302, recorded an annual high value just above the historical mean and median highs for the period of record. However, water levels at this well had an annual low below the normal value. As indicated in Figure 3, for calendar year 2011, the Bexar County index well J-17 (AY-68-37-203) water level was below the historical mean value from March 2 through the end of the year. The maximum and minimum water levels at J-17 for 2011 were 674.5 and 639.86 feet above msl, respectively. The maximum value occurred in January, whereas the minimum occurred in June. 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. Figure 3b shows the 2011 hydrograph for Uvalde County index well J-27 (YP-69-50-302). Water levels in Uvalde were below the historical mean for the entire year, with the maximum water level for the year of 864.28 feet above msl occurring on January 1, and the minimum water level of 847.38 feet above msl occurring on October 7. The highest water level on record at J-27 is 889.1 feet above msl, occurring in June of 1987, whereas the lowest is 811.0 feet above msl, occurring in April of 1957.

Additional water level data are presented in Appendices A and B of this report. Appendix A contains summary tables for selected observation wells, and Appendix B shows well hydrographs and precipitation measurements for wells in Bexar, Medina, and Uvalde counties. Hydrographs for Comal and San Marcos springs are also included in Appendix B.

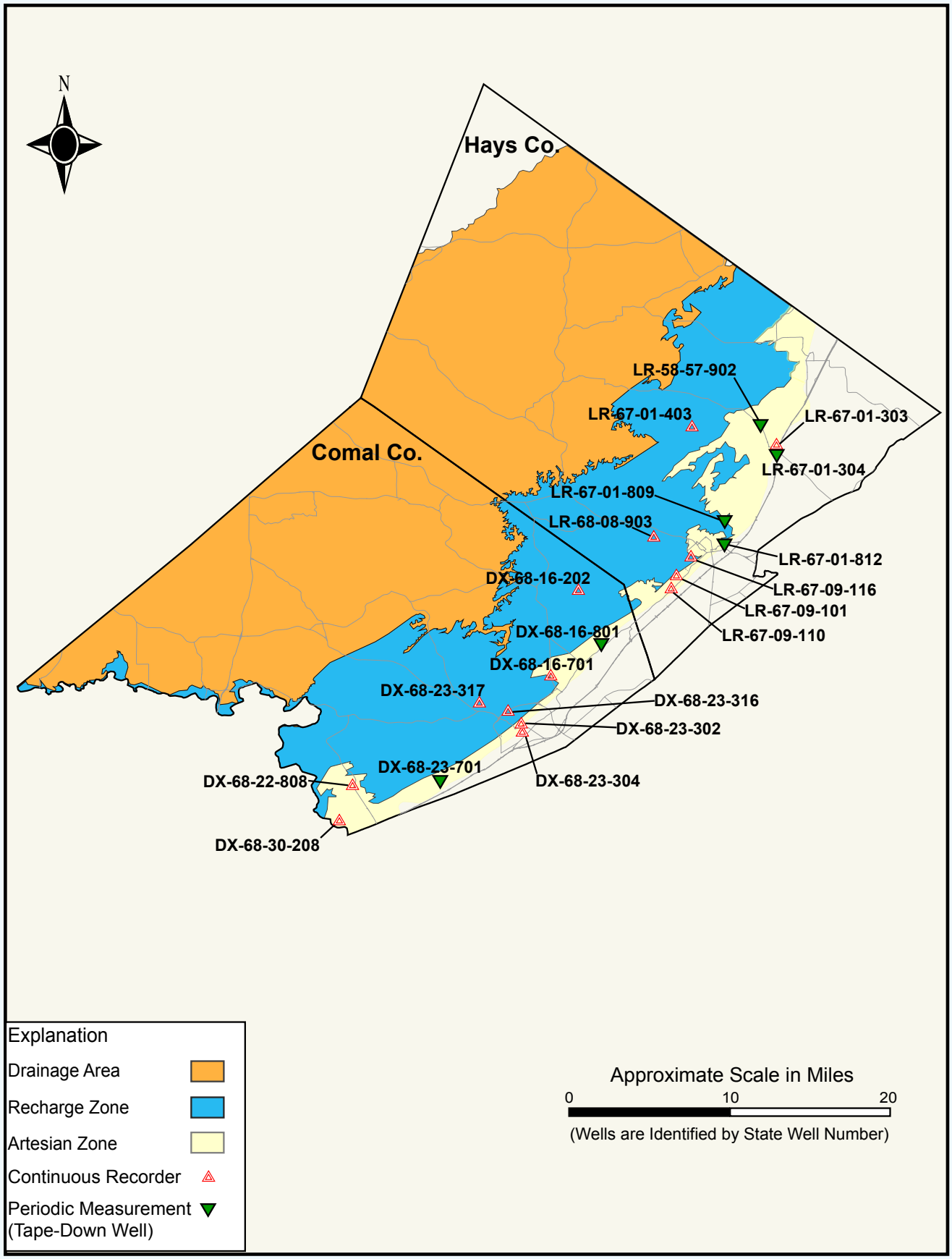
## Figure 2a. Year 2011 Edwards Aquifer Authority Water Level Observation Network—Kinney, Uvalde, and Medina Counties



## Figure 2b. Year 2011 Edwards Aquifer Authority Water Level Observation Network—Bexar County



## Figure 2c. Year 2011 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 Edwards Aquifer, 1934–2011

| | City of Uvalde<br>Uvalde County<br>YP-69-50-302[a]<br>(J-27) | | Castroville<br>Medina County<br>TD-68-41-301[b] | | San Antonio<br>Bexar County<br>AY-68-37-203[c]<br>(J-17) | | New Braunfels<br>Comal County<br>DX-68-23-302[d] | | Kyle Well<br>Hays County<br>LR-67-01-304[e] | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | 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 | 740.4 | 687.8 | 699.8 | 675.4 | 631.3 | 627.7 | 590.2 | 561.8 |
| 2006 | 879.3 | 868.6 | 689.7 | 675.1 | 678.1 | 647.6 | 627.7 | 623.8 | 603.4 | 513.7 |
| 2007 | 882.7 | 867.8 | 740.7 | 686.8 | 700.7 | 661.9 | 631.2 | 625.9 | 592.4 | 547.3 |
| 2008 | 882.6 | 873.4 | 727.3 | 682.2 | 689.2 | 657.3 | 629.3 | 625.5 | 587.6 | 536.9 |
| 2009 | 873.3 | 860.1 | 697.7 | 661.6 | 671.2 | 640.3 | 626.6 | 613.5 | 570.3 | 553.8 |
| 2010 | 867.0 | 862.2 | 708.3 | 689.5 | 682.7 | 667.1 | 630.4 | 626.3 | * | * |
| 2011 | 864.3 | 847.4 | 701.0 | 657.1 | 674.5 | 639.9 | 627.3 | 622.6 | * | * |
| | High | Low | High | Low | High | Low | High | Low | High | Low |
| **Mean** | 873.4 | 864.4 | 704.7 | 674.7 | 677.3 | 652.6 | 627.1 | 623.6 | 583.5 | 563.4 |
| **Median** | 876.6 | 868.0 | 703.8 | 675.7 | 679.3 | 653.1 | 627.1 | 624.1 | 584.6 | 565.5 |
| **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 513.7 |
| **Month Year** | June 1987 | April 1957 | June 1992 | Aug. 1956 | June 1992 | Aug. 1956 | Nov. 2004 | Aug. 1956 | Nov. 2004 | Sept. 2006 |

Data source: Edwards Aquifer Authority unpublished data (2012).

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

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

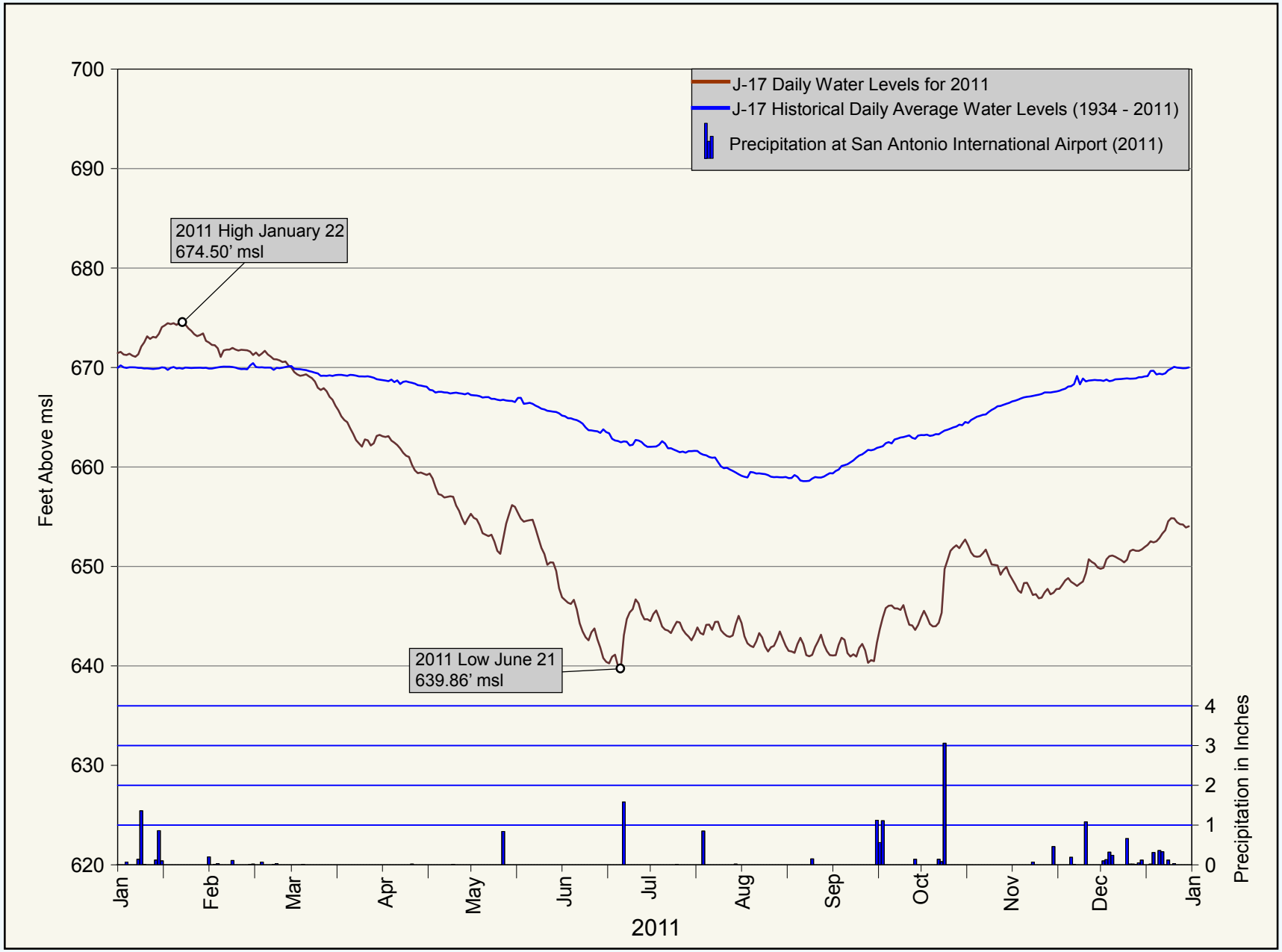
[c] = Continuous monitoring equipment established on January 1, 1963.

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

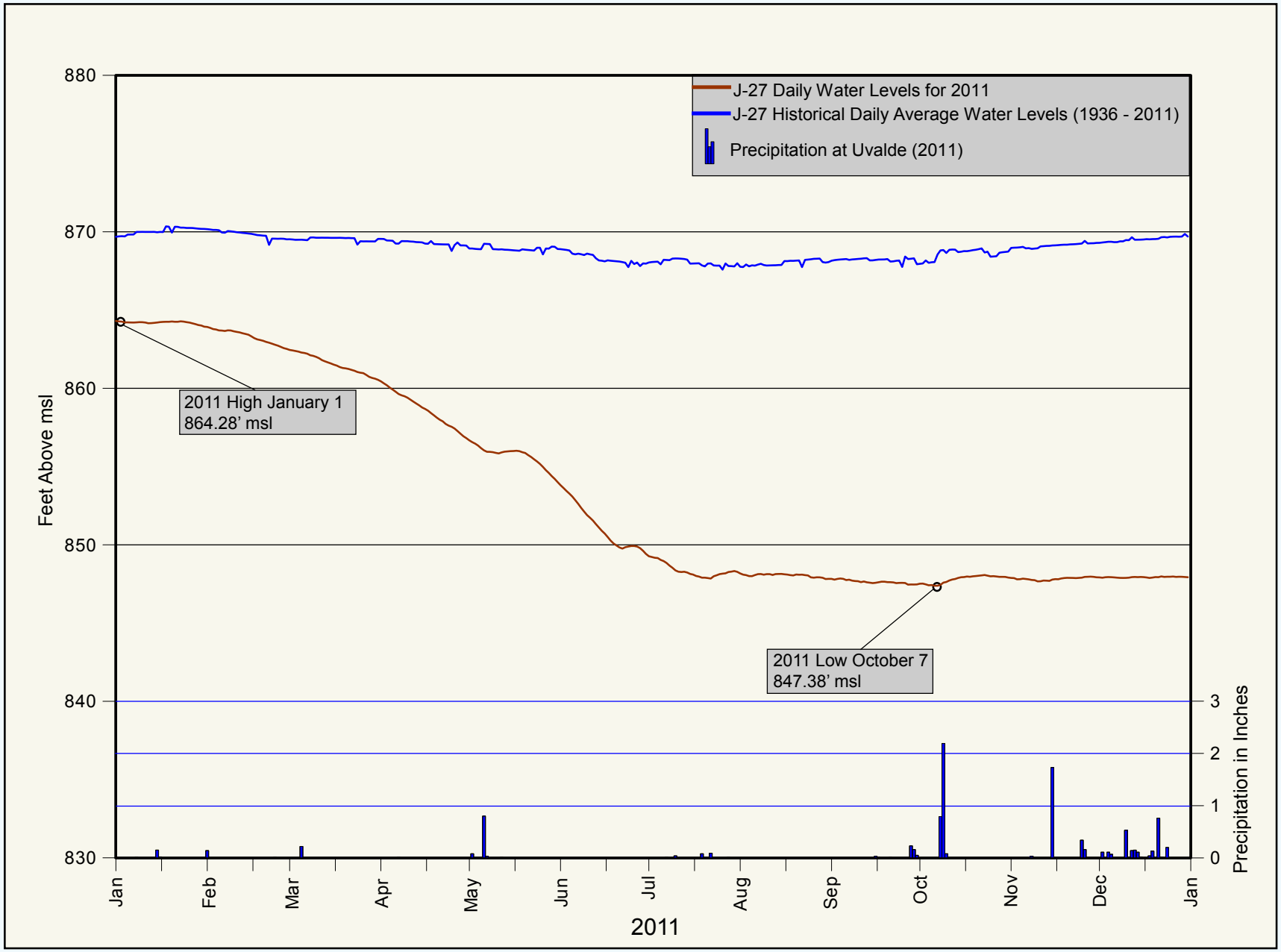
[e] = Values based on monthly tape-down measurements (no continuous monitoring equipment installed in this well).

* = Well damaged; measurements for 2010 and 2011 impacted by damage and not reported for year (mean/median shown through 2009).

**Figure 3a. Comparison of Historical Daily Mean Water Level for the Period of Record 1934–2011 and the Daily High Water Level at the Bexar County Index Well, J-17 (AY-68-37-203)**



## Figure 3b. Comparison of Historical Daily Mean Water Level for the Period of Record 1936–2011 and the Daily High Water Level at the Uvalde County Index Well, J-27 (YP-69-50-302)



# PRECIPITATION

## Precipitation in the Edwards Aquifer Region

Precipitation varies significantly across the Edwards Aquifer Region. Mean annual precipitation ranges from approximately 22 inches in the western part of the region to just over 34 inches in the east part of the region. The mean annual precipitation for San Antonio from 1934 through 2011 is approximately 30.24 inches, although annual precipitation has ranged from 13.70 to 52.28 inches since 1934 (U.S. Department of Commerce, 2012).

Median annual precipitation ranges from 20.17 inches in the west to 33.69 inches in the east. Uvalde recorded the largest deviation below the median, with only 9.91 inches of rainfall recorded for the year (median Uvalde rainfall is 22.86). Uvalde was below the median in 2010 as well. For 2011, rainfall was below median values at all rainfall-reporting sites in Table 2.

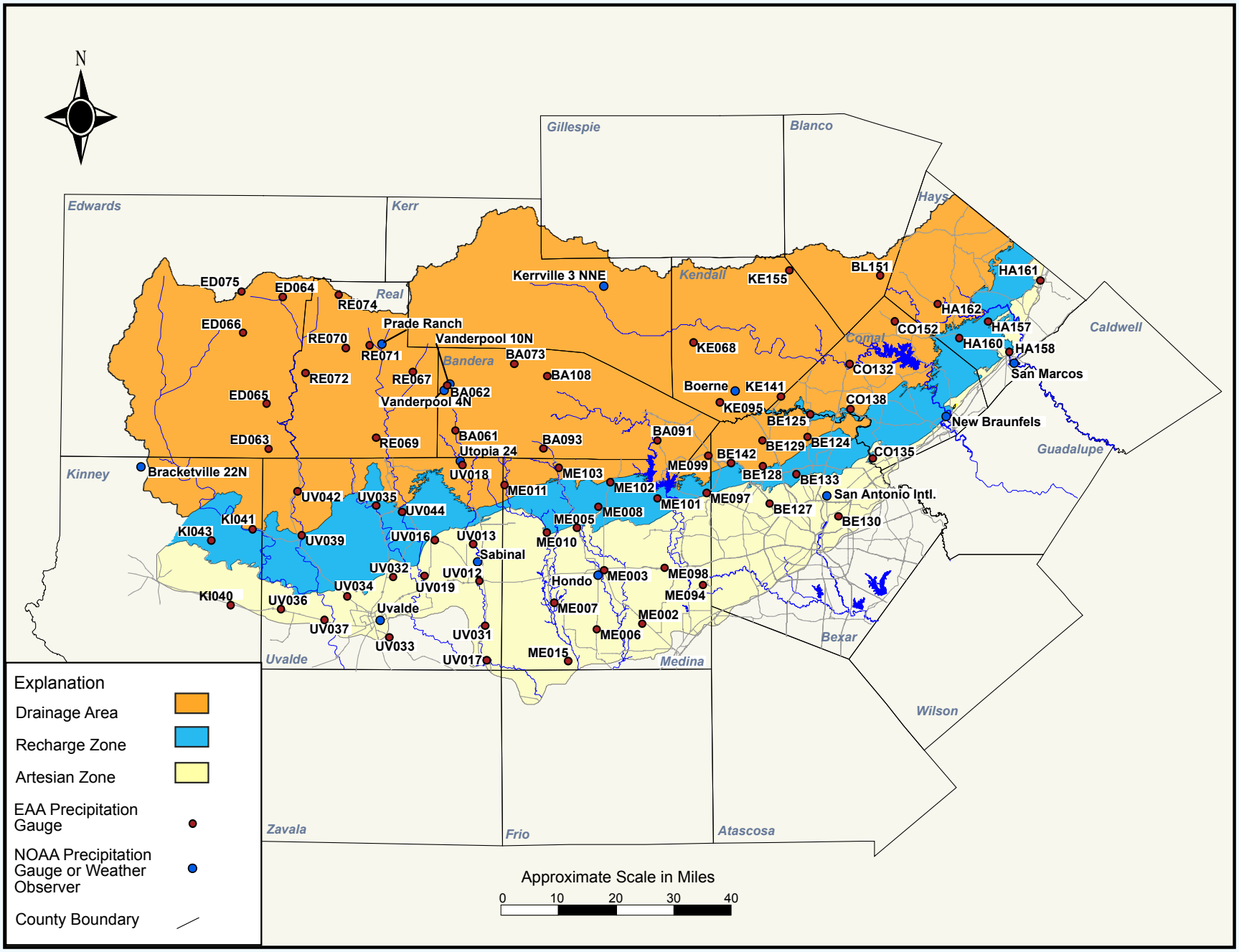
Precipitation data are used to calculate recharge to the Edwards Aquifer, monitor any precipitation trends that may affect recharge to the aquifer, and help evaluate the effectiveness of the EAA's Precipitation Enhancement Program (see Precipitation Enhancement Program, p. 21). Precipitation data are gathered from the EAA's real-time network rain-gauge stations and National Oceanic and Atmospheric Administration (NOAA) weather stations located throughout the region. Figure 4 shows the locations of precipitation gauging stations used by the EAA to monitor precipitation in 2011.

Annual precipitation data are summarized by city in Table 2. Monthly precipitation data are summarized by NOAA station in Tables 3a and b, and additional monthly data from the EAA's rain-gauge network are summarized in Table 4. In 2011 the EAA's rain-gauge network consisted of 74 continuous-recording rain-gauge sites (Figure 4).

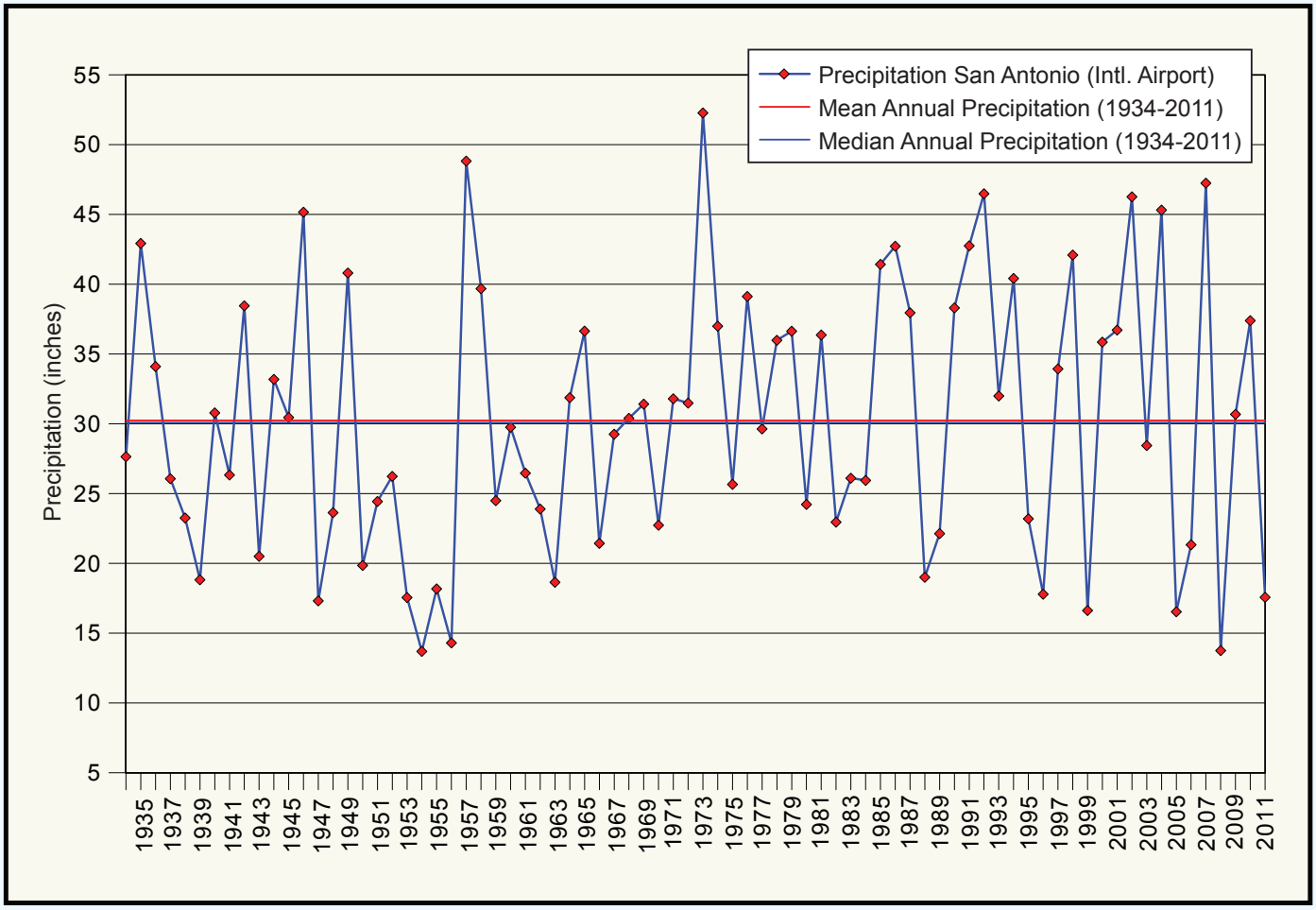
In 2011, total precipitation measured at the San Antonio International Airport was 17.58 inches. Mean precipitation in San Antonio for the period between 1934 and 2011 was 30.24 inches. Annual and mean precipitation data for San Antonio from 1934 through 2011 are shown graphically in Figure 5. Regional rainfall by city (Table 2) for 2011 was below the mean as a result of drought conditions. Rainfall in the western Edwards Aquifer region was significantly below the mean. For example, Uvalde recorded only 9.91 inches of rainfall for the year, which is 13.3 inches below the mean rainfall for the period of record, 1934–2011.

Regional rainfalls are summarized graphically in Figure 6. The data in Figure 6 represent annual rainfall totals for the region developed by calibrating NEXRAD radar imagery with ground-based measurements so as to develop an annual rainfall summary for the region. Each grid square in Figure 6 represents a 16-square-kilometer (approximately 6.25 square miles) area. Shades of blue indicate higher relative rainfall amounts, whereas orange and red shades indicate less relative rainfall. Each shade increment represents approximately 2.5 inches of rainfall increase compared with that of the adjacent color. Given these data, regional rainfall volumes were highest in eastern Comal and Hays counties. Kinney, Edwards, and Real counties generally received the lowest rainfall volumes of the region.

## Figure 4. Locations of Precipitation Gauging Stations Used by the EAA and Other Agencies to Monitor Precipitation in 2011



## Figure 5. Annual Precipitation and Mean Precipitation for San Antonio, 1934–2011



## Table 2. Annual Precipitation from Selected Rain Gauges in the Edwards Aquifer Region, 1934–2011 (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 |
| 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 |
| 2006 | 14.62 | 7.85 | 11.06 | 12.15 | 21.34 | 24.24 | 28.51 | 26.36 |
| 2007 | 39.93 | 28.89 | 37.55 | 57.58 | 47.25 | 59.00 | 45.40 | 41.59 |
| 2008 | 12.59 | 11.23 | 14.66 | 16.18 | 13.76 | 14.74 | 16.70 | 15.79 |
| 2009 | 14.26 | 16.19 | 20.86 | 25.00 | 30.69 | 32.65 | 28.10 | 33.10 |
| 2010 | 23.78 | 18.86 | 27.13 | 27.32 | 37.39 | 42.06 | 37.03 | 27.58 |
| 2011 | 12.98 | 9.91 | 13.81 | 15.27 | 17.58 | 17.76 | 19.25 | 19.39 |
| Years of Record (shown) | 74 | 79 | 75 | 78 | 79 | 78 | 78 | 78 |
| Mean | 21.77 | 23.21 | 23.91 | 28.65 | 30.24 | 34.12 | 32.84 | 34.28 |
| Median | 20.17 | 22.86 | 23.25 | 28.21 | 30.08 | 33.15 | 33.69 | 33.44 |

Data source: U.S. Department of Commerce (2011); NOAA (1934–2012).

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.

--- = No data available.

Mean values are calculated using only years with full records. Years with partial or missing records discarded from data set.

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

## Table 3a. Monthly Precipitation Data from Selected National Oceanic and Atmospheric Administration Precipitation-Gauging Stations, 2011 (measured in inches).

| Gauge | County | Jan | Feb | Mar | Apr | May | Jun | July | Aug | Sep | Oct | Nov | Dec | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| San Antonio Intl. Airport | Bexar | 2.66 | 0.49 | 0.01 | 0.03 | 0.84 | 1.58 | 0.96 | 0.15 | 2.93 | 3.28 | 1.81 | 2.84 | 17.58 |
| Vanderpool 10N | Bandera | T | 0.00 | 0.00 | 0.42 | 0.94 | M | 0.53 | 0.54 | 3.05 | 3.34 | 1.55 | 2.29 | 12.66 |
| Vanderpool 4N | Bandera | 0.97 | 0.56 | 0.07 | 0.27 | 1.24 | 0.46 | 1.16 | 0.40 | 2.35 | 2.43 | 1.81 | 2.96 | 14.68 |
| New Braunfels | Comal | 3.08 | 0.46 | 0.04 | 0.01 | 1.15* | 1.62 | 0.71 | 0.02 | 2.38 | 2.18 | 2.13 | 5.47 | 19.25 |
| San Marcos | Hays | 3.3 | **M** | 0.21 | 0.02 | 2.20 | 2.10 | **M** | 0.12* | 1.19 | 2.03 | 2.93 | 5.29 | 19.39 |
| Kerrville 3 NNE | Kerr | 1.3 | 0.56 | 0.07 | 0.94 | 1.17 | 0.78 | 0.16 | 0.21 | 2.06 | 0.79 | 2.06 | 3.00 | 13.10 |
| Hondo | Medina | 1.09 | 0.24 | 0.03 | 0.00 | 2.68 | 2.78 | 0.13 | 0.13 | 0.59 | 3.21 | 1.92 | 2.47 | 15.27 |
| Brackettville 22N | Kinney | 0.99 | 0.48 | **M** | 0.00 | 3.46 | 0.00 | 0.75 | 2.75 | 1.13 | 0.55 | 1.26 | 1.61 | 12.98 |
| Prade Ranch | Real | 0.72 | 0.52 | 0.00 | 0.3 | 1.15 | 0.35 | 1.41 | 1.09 | 2.12 | 1.80 | 1.92 | 2.65 | 14.03 |
| Sabinal | Uvalde | 0.90 | 0.36 | 0.00 | 0.00 | 1.35 | 2.21 | 0.33 | 0.18 | 0.81 | 2.70 | 2.50 | 2.47 | 13.81 |
| Uvalde | Uvalde | 0.18 | 0.15 | 0.22 | 0.01 | 0.92 | 0.00 | 0.23 | 0.00 | 0.49 | 3.06 | 2.26 | 2.39 | 9.91 |
| Boerne | Kendall | 1.69 | 0.56 | 0.02 | 0.19 | 1.25 | 1.13 | 0.32 | 0.04 | 1.91 | 4.38 | 2.08 | 4.19 | 17.76 |

**M** = missing data; * = incomplete data set.

## Table 3b. Deviation from Mean Rainfall Values, 2011.

| Gauge | County | Mean | Total | Deviation from Mean |
|---|---|---|---|---|
| San Antonio Intl. Airport | Bexar | 30.24 | 17.58 | -12.66 |
| New Braunfels | Comal | 32.84 | 19.25 | -13.59 |
| San Marcos* | Hays | 34.01 | 19.39 | -14.62 |
| Hondo | Medina | 28.65 | 15.27 | -13.38 |
| Uvalde | Uvalde | 23.21 | 9.91 | -13.30 |
| Boerne | Kendall | 34.12 | 17.76 | -16.36 |
| Brackettville | Kinney | 21.77 | 12.98 | -8.79 |

* = incomplete data set for current year, not representative of annual values.
(Rainfall amounts shown in inches.)

## Table 4. 2011 Monthly Precipitation Totals from EAA Rain Gauges (Rain-Gauge Locations Shown in Figure 4).

| | BA061 | BA062 | BA073 | BA091 | BA093 | BA108 | BE124 | BE125 | BE127 | BE128 | BE129 | BE130 | BE133 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 1.01 | 0.62 | 1.51 | 1.78 | 0.84 | 1.19 | 2.05 | 2.17 | 1.99 | 1.86 | 1.99 | 2.63 | 2.05 |
| **February** | 0.34 | 0.44 | 0.65 | 0.26 | 0.47 | 0.42 | 0.23 | 0.29 | 0.15 | 0.27 | 0.19 | 0.17 | 0.26 |
| **March** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **April** | 0.08 | 0.16 | 0.17 | 0.02 | 0.02 | 0.08 | 0.11 | 0.08 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 |
| **May** | 0.79 | 0.87 | 0.71 | 1.28 | 0.53 | 0.76 | 0.68 | 1.03 | 1.30 | 0.87 | 0.87 | 0.23 | 0.97 |
| **June** | 0.37 | 0.40 | 0.54 | 1.04 | 1.20 | 1.26 | 1.34 | 1.36 | 0.50 | 0.89 | 1.04 | 1.82 | 0.87 |
| **July** | 0.28 | 0.88 | 0.07 | 0.34 | 0.98 | 0.27 | 1.18 | 0.41 | 1.55 | 1.91 | 0.82 | 0.26 | 0.80 |
| **August** | 0.41 | 0.31 | 0.37 | 0.31 | 0.55 | 0.02 | 0.15 | 0.00 | 0.03 | 0.27 | 0.02 | 0.07 | 0.01 |
| **September** | 2.77 | 1.95 | 1.44 | 1.17 | 0.81 | 0.83 | 2.89 | 1.86 | 0.86 | 1.19 | 0.95 | 1.18 | 3.17 |
| **October** | 1.49 | 2.13 | 0.92 | 2.39 | 0.18 | 0.97 | 3.62 | 2.71 | 4.05 | 4.13 | 3.75 | 2.89 | 2.50 |
| **November** | 1.00 | 1.49 | 1.60 | 2.07 | 2.64 | 1.13 | 1.51 | 1.92 | 1.86 | 1.99 | 1.95 | 1.80 | 1.69 |
| **December** | 1.60 | 1.90 | 2.24 | 1.70 | 3.08 | 2.44 | 3.18 | 2.13 | 1.86 | 2.78 | 3.51 | 2.00 | 2.82 |
| **2011 totals** | **10.14** | **11.15** | **10.22** | **12.36** | **11.30** | **9.37** | **16.99** | **13.96** | **14.15** | **16.16** | **15.11** | **13.05** | **15.14** |

| | BE142 | BL151 | CO132 | CO135 | CO138 | CO152 | ED063 | ED064 | ED065 | ED066 | ED075 | HA157 | HA158 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **January** | 1.37 | 1.72 | 1.46 | 3.39 | 2.30 | 1.81 | 0.31 | 1.05 | 0.72 | 0.36 | * | 1.90 | 2.96 |
| **February** | 0.27 | 0.67 | 0.40 | 0.24 | 0.34 | 0.40 | 0.49 | 0.66 | 0.82 | 0.26 | * | 0.43 | 0.44 |
| **March** | 0.00 | 0.10 | 0.00 | 0.00 | 0.05 | 0.08 | 0.10 | 0.00 | 0.03 | 0.04 | 0.00 | 0.00 | 0.13 |
| **April** | 0.04 | 0.24 | 0.04 | 0.00 | 0.03 | 0.08 | 0.00 | 0.30 | 0.16 | 0.35 | 0.51 | 0.01 | 0.00 |
| **May** | 0.69 | 0.66 | 0.91 | 0.75 | 1.03 | 0.63 | 1.32 | 0.34 | 1.39 | 0.67 | 0.14 | 1.63 | 1.47 |
| **June** | 1.04 | 1.54 | 1.58 | 3.02 | 0.24 | 1.18 | 0.37 | 0.01 | 0.00 | 0.01 | 0.05 | 1.94 | 0.23 |
| **July** | 1.38 | 0.22 | 0.75 | 0.11 | 0.58 | 1.09 | 0.00 | 0.50 | 0.20 | 0.38 | 0.11 | 0.05 | 0.00 |
| **August** | 0.23 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 1.18 | 0.60 | 0.52 | 0.89 | 0.16 | 0.00 | 0.03 |
| **September** | 1.56 | 0.28 | 1.59 | 1.53 | 1.44 | 2.68 | 1.03 | 1.54 | 1.20 | 2.18 | 2.93 | 1.04 | 0.59 |
| **October** | 2.97 | 1.27 | 2.33 | 2.19 | 2.30 | 2.18 | 2.10 | 1.52 | 1.28 | 2.26 | 1.83 | 1.54 | 1.76 |
| **November** | 2.03 | 2.99 | 2.27 | 2.28 | 2.46 | 2.21 | 0.88 | 1.60 | 2.05 | 0.30 | 2.02 | 2.28 | 2.43 |
| **December** | 2.91 | 3.27 | 2.41 | 2.34 | 3.18 | 2.39 | 1.76 | 1.21 | 1.24 | 0.94 | 0.96 | 4.45 | 4.86 |
| **2011 totals** | **14.49** | **12.96** | **13.74** | **15.88** | **13.95** | **14.73** | **9.54** | **9.33** | **9.61** | **8.64** | **8.71** | **15.27** | **14.90** |

* = Incomplete data set.
ND = Annual total not provided; annual data set not complete.

## (Table 4. continued)

| | HA160 | HA161 | HA162 | KE068 | KE095 | KE141 | KE155 | KI040 | KI041 | KI043 | ME002 | ME003 | ME005 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 2.08 | * | 1.98 | 1.29 | 1.21 | 1.56 | 0.99 | 0.82 | 0.72 | 0.23 | 1.56 | 0.74 | 0.99 |
| February | 0.51 | * | 0.37 | 0.44 | 0.29 | 0.27 | 0.75 | 0.13 | 0.17 | 0.11 | 0.11 | 0.09 | 0.17 |
| March | 0.02 | * | 0.00 | 0.00 | 0.00 | 0.04 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.04 | * | 0.05 | 0.16 | 0.07 | 0.10 | 0.19 | 0.21 | 0.59 | 0.91 | 0.00 | 0.00 | 0.00 |
| May | 1.15 | * | 1.08 | 1.02 | 0.74 | 0.92 | 0.80 | 0.65 | 2.65 | 2.21 | 0.82 | 2.33 | 1.41 |
| June | 1.50 | * | 0.70 | 0.37 | 1.12 | 0.23 | 0.70 | 1.50 | 0.37 | 0.28 | 2.43 | 2.79 | 1.40 |
| July | 0.81 | * | 0.60 | 0.06 | 0.08 | 0.42 | 0.14 | 1.56 | 2.48 | 2.49 | 0.09 | 0.15 | 0.56 |
| August | 0.00 | * | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 1.44 | 1.80 | 1.30 | 0.01 | 0.00 | 0.44 |
| September | 0.18 | * | 0.51 | 0.79 | 1.22 | 2.61 | 0.21 | 1.40 | 0.84 | 0.62 | 0.39 | 0.25 | 0.60 |
| October | 1.94 | * | 2.45 | 1.50 | 0.24 | 2.93 | 2.22 | 1.39 | 3.00 | 0.80 | 2.13 | 2.91 | 0.23 |
| November | 1.63 | 2.18 | 2.37 | 2.65 | 0.61 | 2.00 | 2.09 | 1.64 | 1.81 | 0.88 | 1.80 | 1.44 | 0.25 |
| December | 5.05 | 1.71 | 5.00 | 2.47 | 1.86 | 3.46 | 3.76 | 2.89 | 1.31 | 1.13 | 1.64 | 1.83 | 0.83 |
| **2011 totals** | **14.91** | **3.89** | **15.11** | **10.75** | **7.45** | **14.54** | **12.22** | **13.63** | **15.74** | **10.96** | **10.98** | **12.53** | **6.88** |

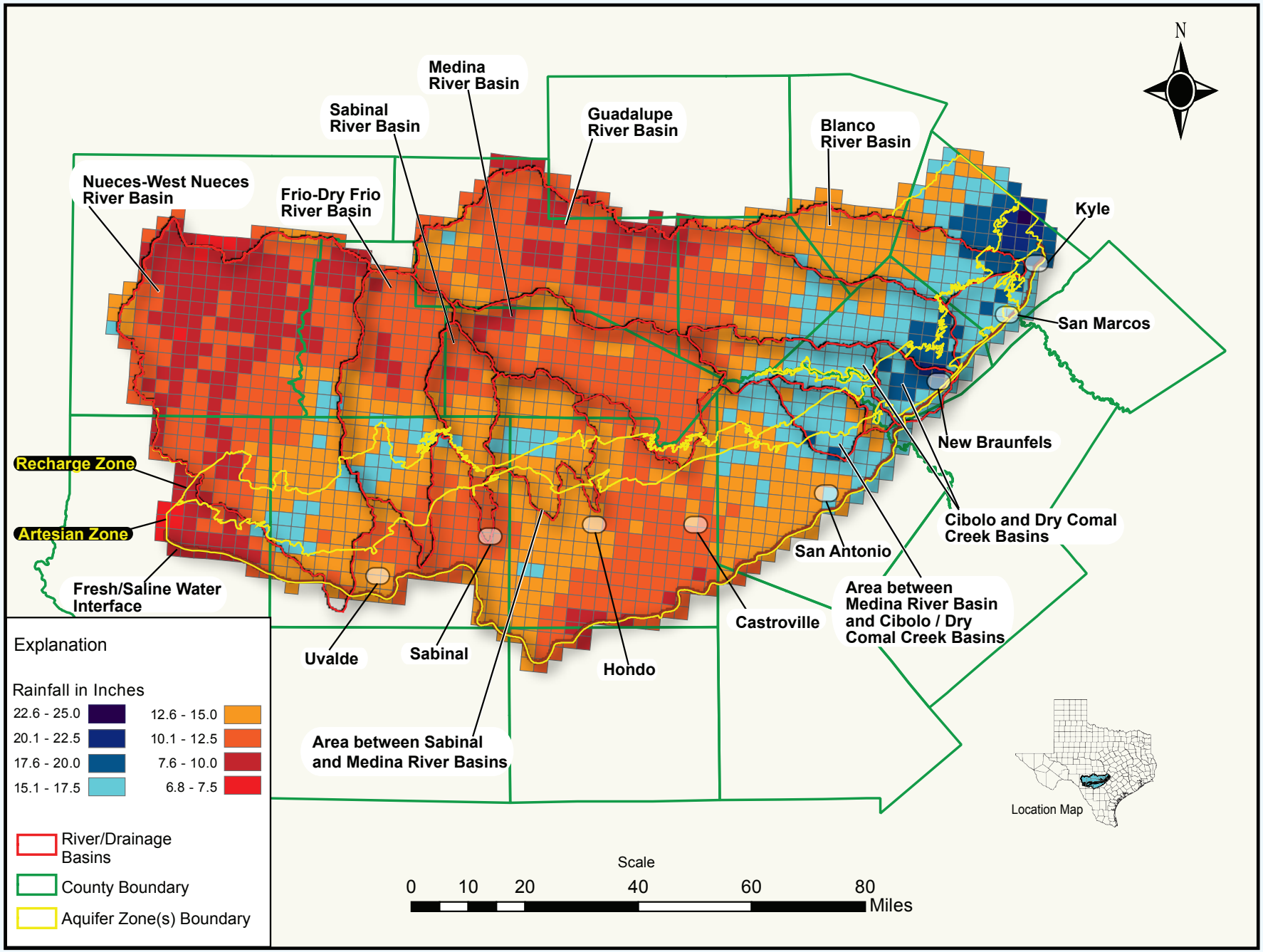
| | ME006 | ME007 | ME008 | ME010 | ME011 | ME015 | ME094 | ME097 | ME098 | ME099 | ME101 | ME102 | ME103 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 0.87 | 0.67 | 1.00 | 0.96 | 0.83 | 1.15 | 0.92 | 0.73 | 0.74 | 1.17 | 0.96 | 1.30 | 0.49 |
| February | 0.12 | 0.14 | 0.21 | 0.13 | 0.22 | 0.07 | 0.17 | 0.15 | 0.19 | 0.13 | 0.18 | 0.22 | 0.26 |
| March | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.02 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.04 | 0.00 | 0.02 | 0.00 |
| May | 1.17 | 1.24 | 1.11 | 1.64 | 0.24 | 0.30 | 0.83 | 1.11 | 1.46 | 0.40 | 0.77 | 1.10 | 0.85 |
| June | 0.00 | 0.24 | 1.78 | 1.38 | 1.91 | 0.00 | 0.71 | 0.99 | 0.86 | 1.70 | 0.61 | 1.58 | 1.77 |
| July | 0.81 | 0.24 | 0.57 | 0.05 | 0.23 | 0.10 | 0.98 | 0.48 | 0.06 | 0.40 | 0.06 | 0.66 | 0.23 |
| August | 0.00 | 0.00 | 0.00 | 0.73 | 2.43 | 0.00 | 0.00 | 0.74 | 0.01 | 0.00 | 1.93 | 0.12 | 1.83 |
| September | 0.35 | 1.27 | 1.04 | 2.47 | 1.14 | 0.70 | 1.08 | 1.03 | 0.39 | 1.30 | 1.03 | 1.11 | 0.54 |
| October | 1.65 | 4.84 | 2.37 | 3.49 | 1.69 | 0.00 | 3.38 | 3.38 | 2.95 | 4.20 | 2.43 | 0.69 | 2.32 |
| November | 1.38 | 1.12 | 2.01 | 2.02 | 2.81 | 0.75 | 2.17 | 2.28 | 2.79 | 1.99 | 1.95 | 1.59 | 1.83 |
| December | 1.43 | 1.52 | 2.00 | 1.49 | 1.39 | 1.20 | 1.12 | 2.91 | 2.22 | 1.58 | 2.77 | 2.73 | 2.70 |
| **2011 totals** | **7.78** | **11.28** | **12.10** | **14.36** | **12.89** | **4.27** | **11.36** | **13.81** | **11.67** | **12.91** | **12.70** | **11.12** | **12.84** |

| | RE067 | RE069 | RE070 | RE071 | RE072 | RE074 | UV012 | UV013 | UV016 | UV017 | UV018 | UV019 | UV031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 0.49 | 0.73 | 0.86 | 0.74 | 0.64 | * | 0.76 | 0.80 | 0.68 | 0.39 | 0.38 | 0.74 | 0.86 |
| February | 0.44 | 0.45 | 0.57 | 0.27 | 0.55 | 0.69 | 0.13 | 0.17 | 0.15 | 0.00 | 0.27 | 0.11 | 0.00 |
| March | 0.00 | 0.43 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.13 | 0.00 | 0.01 |
| April | 0.04 | 0.00 | 0.27 | 0.36 | 0.08 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| May | 0.84 | 0.61 | 1.30 | 1.15 | 0.70 | 0.84 | 1.10 | 1.35 | 1.19 | 0.46 | 1.16 | 0.89 | 0.67 |
| June | 0.37 | 0.25 | 0.00 | 0.00 | 0.57 | 0.04 | 1.97 | 0.97 | 1.76 | 1.90 | 1.52 | 2.09 | 2.09 |
| July | 1.31 | 1.33 | 0.15 | 1.37 | 0.67 | 0.08 | 0.20 | 0.50 | 1.65 | 0.41 | 0.65 | 0.78 | 0.82 |
| August | 0.70 | 0.95 | 0.41 | 0.56 | 0.88 | 0.61 | 0.29 | 0.45 | 0.40 | 0.14 | 1.43 | 0.54 | 0.06 |
| September | 1.59 | 1.60 | 2.70 | 2.47 | 0.86 | 1.58 | 0.54 | 0.85 | 1.63 | 1.64 | 3.37 | 0.71 | 0.25 |
| October | 1.66 | 2.98 | 0.24 | 1.31 | 1.36 | 1.52 | 2.65 | 1.81 | 1.19 | 4.97 | 1.29 | 0.02 | 3.39 |
| November | 1.46 | 2.01 | 1.96 | 1.62 | 1.54 | 1.39 | 2.10 | 1.70 | 2.41 | 1.38 | 2.71 | 1.93 | 0.67 |
| December | 2.08 | 1.84 | 0.35 | 2.15 | 0.95 | 1.25 | 1.24 | 2.03 | 1.70 | 1.89 | 2.21 | 1.29 | 1.51 |
| **2011 totals** | **10.98** | **13.18** | **8.81** | **12.01** | **8.81** | **8.51** | **10.98** | **10.63** | **12.76** | **13.21** | **15.13** | **9.10** | **10.33** |

| | UV032 | UV033 | UV034 | UV035 | UV036 | UV037 | UV039 | UV042 | UV044 |
|---|---|---|---|---|---|---|---|---|---|
| January | 0.62 | 0.23 | 0.46 | 0.89 | 0.61 | 0.41 | 0.65 | 0.63 | 0.69 |
| February | 0.11 | 0.00 | 0.03 | 0.17 | 0.03 | 0.00 | 0.18 | 0.36 | 0.17 |
| March | 0.02 | 0.81 | 0.07 | 0.00 | 0.12 | 0.77 | 0.00 | 0.04 | 0.02 |
| April | 0.00 | 0.00 | 0.07 | 0.00 | 0.23 | 0.15 | 0.07 | 0.00 | 0.00 |
| May | 1.71 | 1.14 | 2.33 | 1.39 | 1.08 | 1.55 | 1.76 | 1.22 | 1.25 |
| June | 1.11 | 1.28 | 1.00 | 1.72 | 0.66 | 0.99 | 1.60 | 1.71 | 1.33 |
| July | 1.03 | 0.98 | 0.54 | 2.54 | 2.00 | 0.93 | 1.49 | 1.03 | 1.51 |
| August | 0.00 | 0.00 | 0.00 | 1.55 | 0.22 | 0.00 | 2.77 | 2.10 | 0.49 |
| September | 0.95 | 0.35 | 0.70 | 2.73 | 2.93 | 2.65 | 1.72 | 1.19 | 4.32 |
| October | 1.90 | 3.10 | 0.05 | 2.48 | 1.95 | 0.13 | 2.31 | 3.12 | 1.55 |
| November | 1.37 | 2.43 | 0.37 | 2.63 | 1.44 | 1.65 | 2.78 | 1.73 | 1.54 |
| December | 0.84 | 1.86 | 1.29 | 1.67 | 1.32 | 3.06 | 0.56 | 0.67 | 2.24 |
| **2011 totals** | **9.66** | **12.18** | **6.91** | **17.77** | **12.59** | **12.29** | **15.89** | **13.80** | **15.11** |

* = Incomplete data set.

## Figure 6. Ground-Calibrated NEXRAD Radar Rainfall Distribution for 2011



## Precipitation Enhancement Program (PEP)

The PEP for 2011 is summarized in reports prepared by STWMA (2011) and SWTREA (2011). Program analyses for 2011 indicate an increase of 129,500 acre-feet of rainfall within the four-county target area. The area is just over 3.1 million acres in size, resulting in an average increased rainfall amount of approximately 0.5 inch per acre. Data for years 2003 through 2011 are summarized in Table 5. The EAA continues to monitor the effectiveness of PEP activities.

The EAA initiated a precipitation enhancement program (PEP) in 1997 when the board of directors voted to pursue a permit from the Texas Commission on Environmental Quality (TCEQ) to conduct cloud-seeding activities. Seeding operations began in 1999 after a four-year permit was issued in the fall of 1998. Initial seeding operations were conducted by Weather Modification, Inc. (WMI), between 1999 and 2001 for a 12-county area totaling approximately 6.37 million acres. Results of the four-year seeding effort were evaluated by Woodley Weather Consultants and published in 2002. The Woodley report concluded that cloud seeding was a viable and cost-effective method for enhancing rainfall within the region.

### Goals of the 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,
- Increase the annual mean quantity of water that may be withdrawn from the aquifer,
- Reduce demands from the aquifer by increasing precipitation, and
- Reduce periods of low water levels and protect threatened springflows.

In 2002, the EAA initiated a new PEP contract that concentrated seeding in a smaller area and utilized some of the program refinements suggested in the Woodley report. The 2002 contract was initiated with South Texas Weather Modification Association (STWMA) and the Southwest Texas Rain Enhancement Association (SWTREA) as contractors to conduct PEP activities in Bandera, Bexar, Medina, and Uvalde counties. In 2006, the EAA developed inter-local agreements with the Evergreen Underground Water Conservation District (EUWCD) and the Wintergarden Groundwater Conservation District (WGCD) to engage STWMA and SWTREA to conduct PEP activities for the same four counties beginning in 2007.

The 2007 agreements included provisions for a randomized “seed/no seed” methodology designed to isolate randomness and facilitate statistical objectivity in evaluation of the overall effectiveness of the PEP. It was noted, however, that it could take several years of data accumulation to determine the effectiveness of the randomized “seed/no seed” methodology.

## Table 5. Precipitation Enhancement Program Summary for Calendar Years 2003–2011.

| Year | Contractor | Target Area | Flights | Flares | Grams of Silver Iodide Dispersed | Estimated Result (in acre-feet) |
|---|---|---|---|---|---|---|
| 2003 | SWTREA | Uvalde | 18 | 20 | 8,650 | |
| | STWMA | Bandera, Bexar, Medina | 39 | 228 | 12,760 | |
| | | Total | 57 | 248 | 21,410 | 122,518 |
| 2004 | SWTREA | Uvalde | 15 | 113 | 5,360 | |
| | STWMA | Bandera, Bexar, Medina | 22 | 166 | 7,000 | |
| | | Total | 37 | 279 | 12,360 | 350,716 |
| 2005 | SWTREA | Uvalde | 18 | 149 | 6,780 | |
| | STWMA | Bandera, Bexar, Medina | 29 | 261 | 11,480 | |
| | | Total | 47 | 410 | 18,260 | 137,417 |
| 2006 | SWTREA | Uvalde | 20 | 192 | 7,680 | |
| | STWMA | Bandera, Bexar, Medina | 16 | 94 | 4,760 | |
| | | Total | 36 | 286 | 12,440 | 74,139 |
| 2007 | WGCD | Uvalde | 7 | 76 | 3,040 | |
| | EUWCD | Bandera, Bexar, Medina | 11 | 124 | 4,960 | |
| | | Total | 18 | 200 | 8,000 | 76,226 |
| 2008 | WGCD | Uvalde | 3 | 35 | 1,720 | |
| | EUWCD | Bandera, Bexar, Medina | 17 | 127 | 5,080 | |
| | | Total | 20 | 162 | 6,800 | 55,371 |
| 2009 | WGCD | Uvalde | 24 | 301 | 12,040 | |
| | EUWCD | Bandera, Bexar, Medina | 32 | 377* | 15,080 | |
| | | Total | 56 | 678* | 27,120 | 309,903* |
| 2010 | WGCD | Uvalde | 22 | 264 | 14,400 | |
| | EUWCD | Bandera, Bexar, Medina | 25 | 183** | 4,758 | |
| | | Total | 47 | 447 | 19,158 | 275,700 |
| 2011 | WGCD | Uvalde | 15 | 303/6** | 10,400/4,000** | |
| | EUWCD | Bandera, Bexar, Medina | 9 | 113/6** | 2,938/6,000** | |
| | | Total | 24 | 416/12** | 13,388/10,000** | 111,439 |

* = Totals do not reflect three hygroscopic (non-silver-iodide) flares used.

** = Calcium chloride flares data.

# GROUNDWATER RECHARGE

Recharge to the Edwards Aquifer originates as precipitation over the drainage area and recharge zone of the aquifer or as interformational flow from adjacent aquifers. The EAA maintains a joint funding agreement with the U.S. Geological Survey (USGS) to provide recharge estimates by drainage basin (Figure 7). Recharge is estimated using a water-balance method that relies on precipitation and streamflow measurements across the region.

Table 6 lists estimated annual recharge by drainage basin from 1934 through 2011 on the basis of USGS calculations. The USGS estimates that annual recharge for the period of record (1934–2011) 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 2011, estimated recharge was 112,000 acre-feet. The median annual recharge for 1934 through 2011 is 559,400 acre-feet. Recharge estimates shown in Table 6 do 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 2011 estimated recharge volume of 112,000 acre-feet was significantly below the period of record (1934–2011) median recharge value of 559,400 acre-feet; the corresponding mean value is 711,000 acre-feet. Estimated recharge for 2011 is the second-lowest recharge value on record. Figure 8 provides a graphical representation of annual estimated recharge compared with the most recent ten-year median and period of record median for the San Antonio segment of the Balcones Fault Zone Edwards Aquifer from 1934 through 2011.

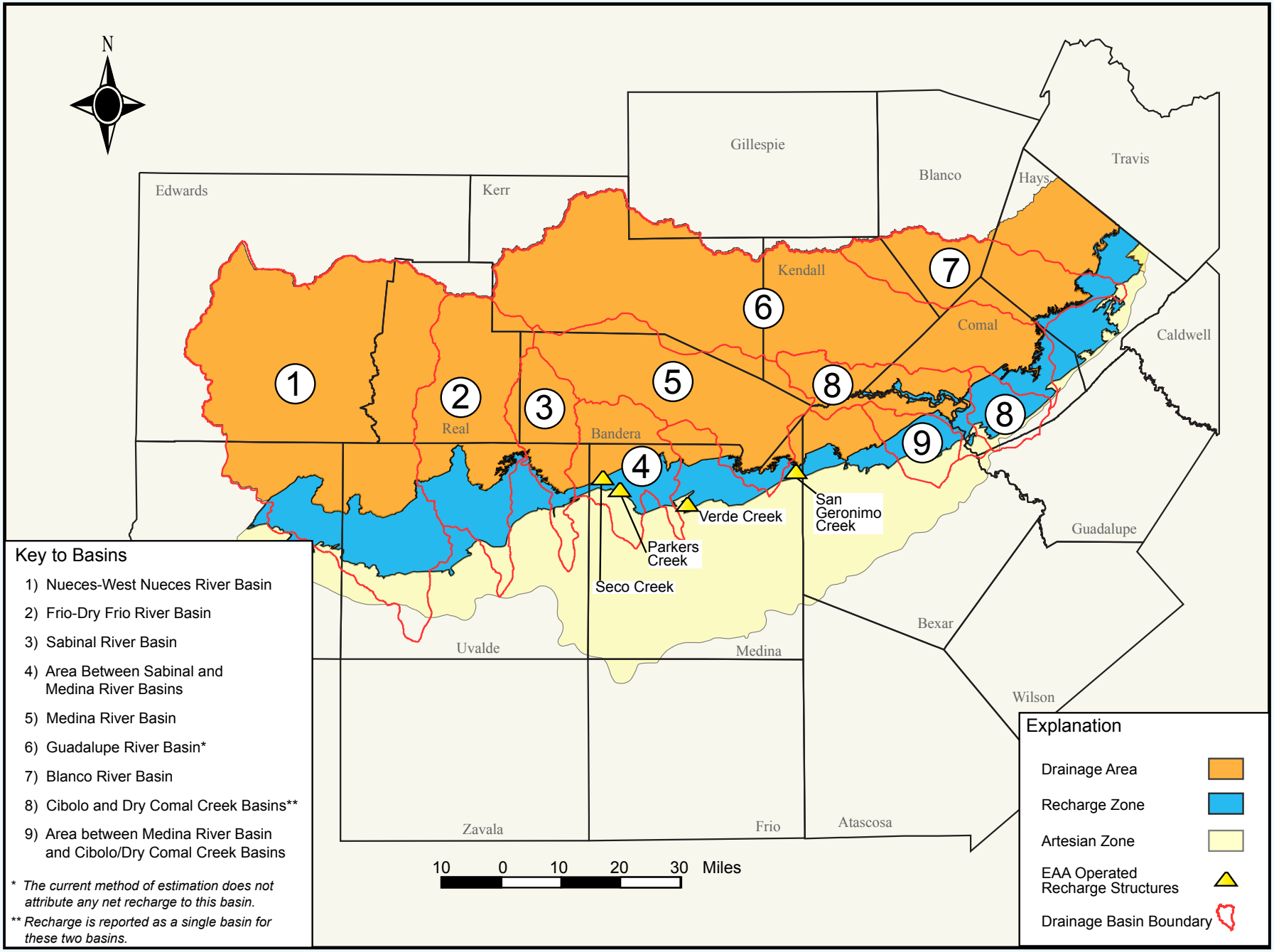
The EAA operates four recharge structures in Medina County on the Edwards Aquifer Recharge Zone (Figure 7). Total recharge for each site is calculated using data from stage recorders near these structures. Table 7 shows the annual recharge (total recharge) for each site since construction. Combined recharge for these structures was 15.6 acre-feet in 2011.

Historical median and mean annual recharge attributed to the recharge structures is based on a period of record that reflects the date of construction through 2011. The approximate historical median annual recharge contributed by the combined structures is 941 acre-feet, whereas the approximate historical mean annual recharge contributed by the combined structures is 5,097 acre-feet.

The methodology for calculating recharge is being refined using the Hydrologic Simulation Program Fortran (HSPF) model. HSPF modeling performed to date indicates similar historic total recharge relative to the traditional USGS method; however, differences by basin are noteworthy. As additional HSPF output data are generated and refined, results will be incorporated into future versions of this report.

Recharge resulting from interformational flow in adjacent aquifers such as the Trinity Aquifer is not estimated annually. Estimates associated with interformational flow are highly variable and range from 5,000 to 60,000 acre-feet per year in different publications. Estimated interformational recharge is not included in recharge values provided in this report.

## Figure 7. Major Drainage Basins and Edwards Aquifer Authority-Operated Recharge Structures in the Edwards Aquifer



## Table 6. Estimated Annual Groundwater Recharge to the Edwards Aquifer by Drainage Basin, 1934–2011 (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 basins | Medina River Basin | Area between Medina River and Cibolo Creek/ Dry Comal Creek basins | 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 | 227.0 | 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 |
| 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 | 1,448.4 |
| 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 | 1,153.7 |
| 1987 | 308.5 | 473.3 | 110.7 | 405.5 | 90.4 | 229.3 | 270.9 | 114.9 | 2,003.6 |
| 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 | 1,123.2 |
| 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 | 2,485.7 |

## (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 basins | Medina River Basin | Area between Medina River and Cibolo Creek/ Dry Comal Creek basins | Cibolo Creek/ Dry Comal Creek basin | Blanco River Basin | Total |
|---|---|---|---|---|---|---|---|---|---|
| 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 | 473.5 |
| 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 | 447.8 | 150.0 | 1,573.7 |
| 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 |
| 2006 | 45.5 | 60.2 | 9.0 | 5.0 | 47.7 | 5.1 | 11.2 | 17.9 | 201.6 |
| 2007 | 471.8 | 474.4 | 104.0 | 406.4 | 75.2 | 227.6 | 306.1 | 96.9 | 2,162.3 |
| 2008 | 48.2 | 44.5 | 5.9 | 9.8 | 53.6 | 9.6 | 22.8 | 18.5 | 212.9 |
| 2009 | 58.5 | 30.3 | 1.8 | 13.5 | 45.6 | 7.3 | 26.4 | 27.5 | 210.9 |
| 2010 | 135.4 | 104.9 | 31.5 | 186.3 | 68.2 | 81.4 | 148.2 | 57.5 | 813.5 |
| 2011 | 15.3 | 13.7 | 1.0 | 2.0 | 43.3 | 3.0 | 15.3 | 18.3 | 112.0 |
| **Recharge for the period of record 1934–2011:** | | | | | | | | | |
| Median | 102.2 | 120.5 | 31.5 | 78.4 | 61.4 | 52.8 | 78.7 | 35.2 | 559.4 |
| Mean | 126.1 | 136.0 | 42.2 | 112.2 | 62.8 | 72.0 | 110.0 | 46.6 | 711.0 |
| **Recharge for the period of record 2001–2011 (last ten years):** | | | | | | | | | |
| Median | 94.6 | 108.6 | 31.6 | 73.3 | 71.7 | 68.8 | 122.7 | 58.7 | 716.5 |
| Mean | 159.6 | 161.9 | 42.2 | 145.9 | 69.2 | 86.4 | 153.8 | 70.6 | 889.6 |

Data source: USGS Unpublished Report (April 2012).

## 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 | 2,941[a] | 2,154[b] | 1,579[b] | 7,515[b] | 14,189[b] |
| 1998 | 1,469[a/b] | 1,160[b] | 872[b] | 3,796b | 7,297b |
| 1999 | 0[b] | 0[b] | 0[b] | 50[c] | 50[b/c] |
| 2000 | 901[b] | 1,371[b] | 1,023[b] | 4,606[b] | 7,901[b] |
| 2001 | 526[b] | 657[b/d] | 1,085[b/d] | 2,154[b/d] | 4,422[b/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 |
| 2006 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 5,998 | 2,091 | 7,268 | 10,645 | 26,002 |
| 2008 | 2.6 | 2.5 | 0 | 0 | 5 |
| 2009 | 630.3 | 30.5 | 0.1 | 27.5 | 688.4 |
| 2010 | 1,356.4 | 1,324 | 4,375.1 | 6,170.7 | 13,226.2 |
| 2011 | 10.1 | 4.5 | 1.0 | 0 | 15.6 |
| **Total** | 29,860 | 24,907 | 35,915 | 102,985 | 193,667 |
| **Median** | 251 | 215 | 91 | 494 | 941 |
| **Mean** | 786 | 733 | 1,088 | 3,433 | 5,097 |

Data source: Unpublished Edwards Aquifer Authority files (2012).

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

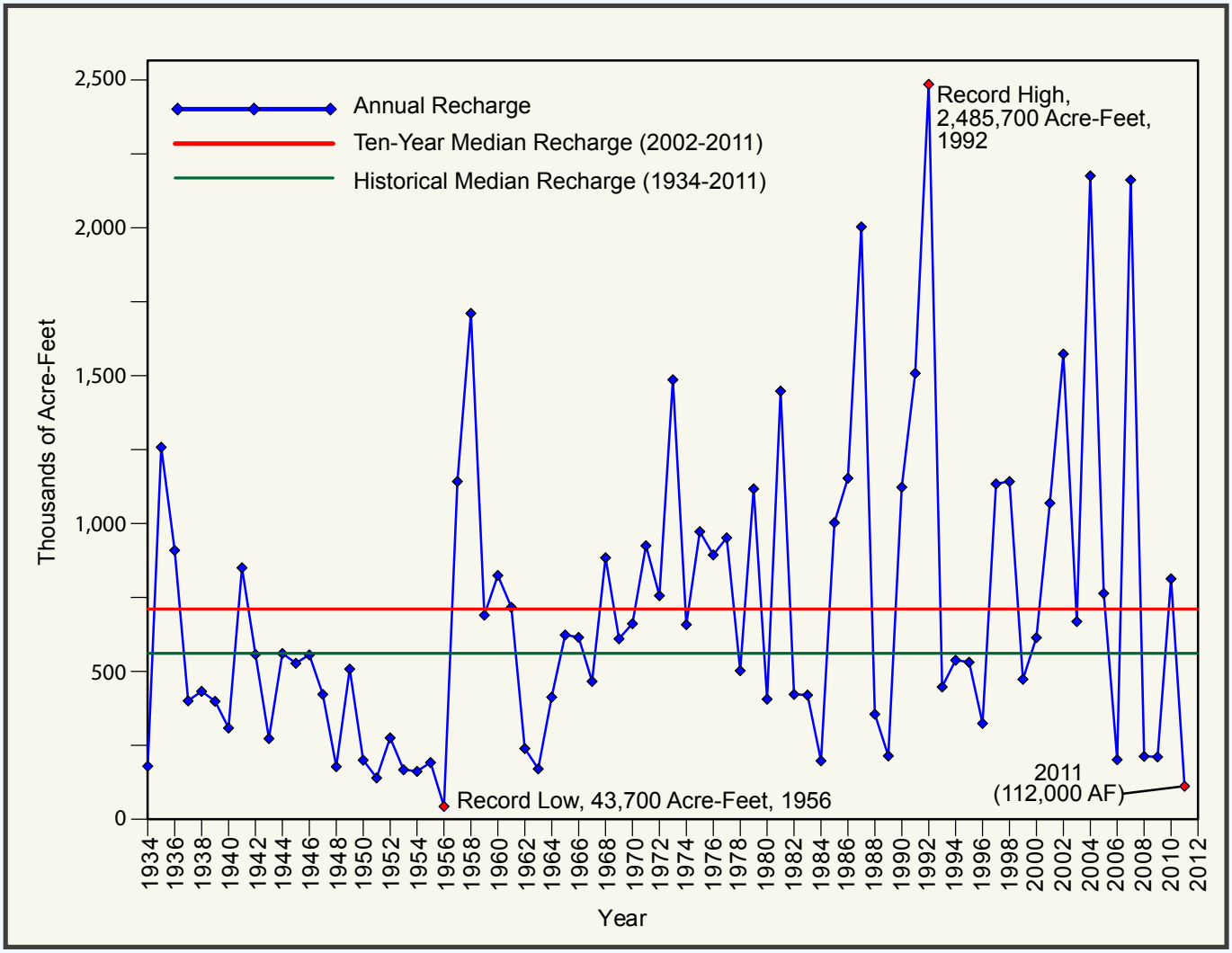
b = Determined by linear regression analysis using rainfall data and historical recharge data.

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. (unpublished report).

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

## Figure 8. Estimated Annual Recharge and Ten-Year Floating Median Estimated Recharge for the Edwards Aquifer 1934–2011



# Groundwater Discharge and Usage

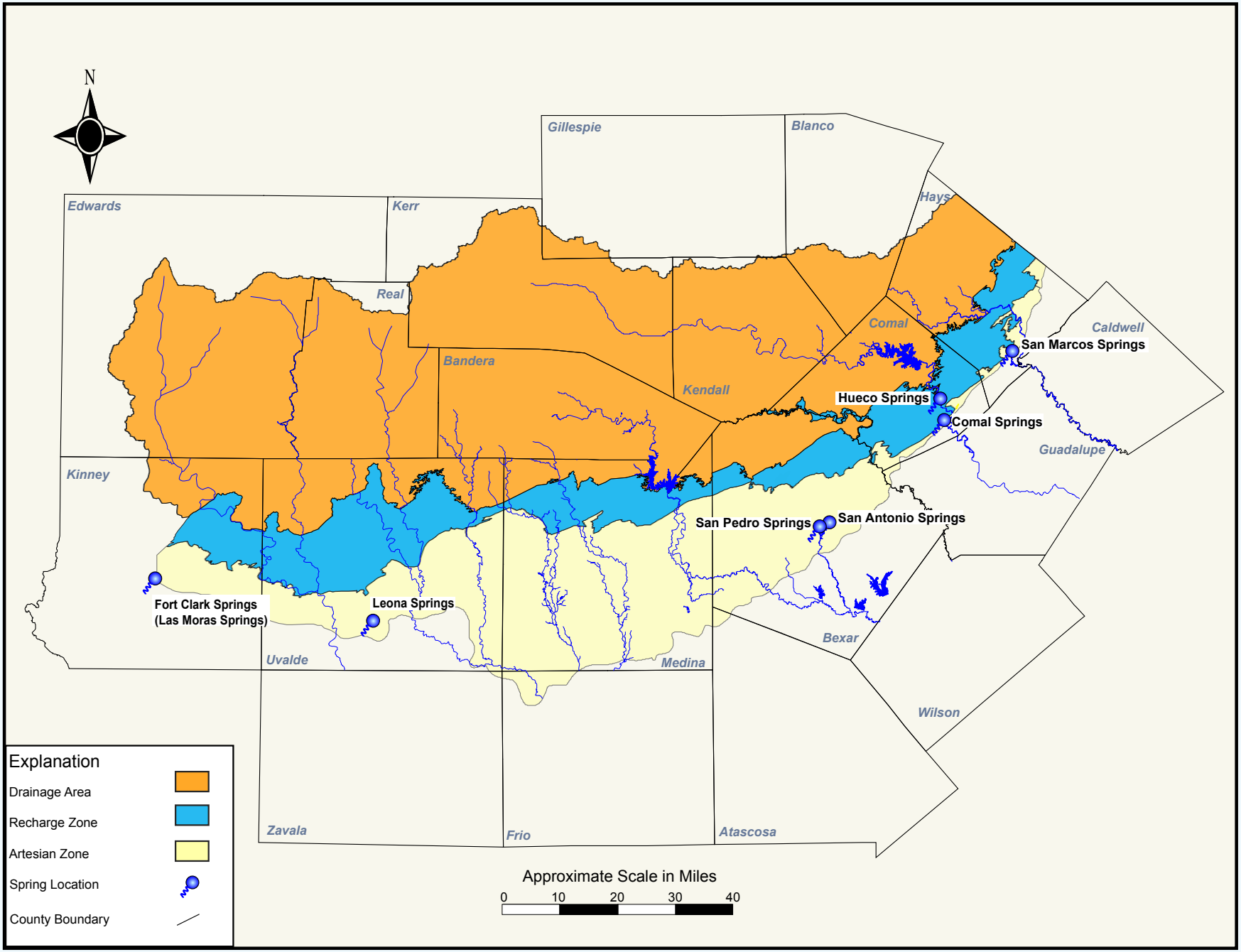
Groundwater discharges from the Edwards Aquifer as springflow or as pumping from wells. Springflow is the primary basis of recreational economies in New Braunfels and San Marcos, and both springs provide habitat for threatened and endangered animal and plant species. Figure 9 shows locations of the major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

Estimates of annual total groundwater discharge from springflow and pumping for the Edwards Aquifer are provided in Table 9 for the period of record (1934–2011) by county. 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 2011, the total groundwater discharged from the Edwards Aquifer from wells and springs was estimated at 692,870 acre-feet, well discharge totaled 427,653 acre-feet, and spring discharge totaled 265,217 acre-feet.

Springflow is calculated by measuring streamflow downstream of the springs and converting the streamflow measurements to spring discharge. Electronic data loggers are used to record streamflow at Leona, Hueco, Comal, and San Marcos springs; periodic flow measurements are taken at San Pedro and San Antonio springs. Springflow from 1934 through 2011 has varied from a low of 69,800 acre-feet in 1956 to a high of 802,800 acre-feet in 1992 (Table 8). Monthly springflow estimates for 2011 at each of the six major Edwards Aquifer springs are provided in Table 9. Total springflow from the Edwards Aquifer for 2011 was calculated at 265,217 acre-feet. Las Moras Springs flow is not measured by the EAA because it is outside the EAA's jurisdictional area. Furthermore, recent studies indicate that groundwater flows associated with Las Moras Springs most likely do not contribute to the Uvalde or San Antonio pools of the Edwards Aquifer.

In Figure 10, flows at Comal and San Marcos springs are shown as mean daily flows in cubic feet per second (cfs) for each year of record, compared with mean flow for the entire period represented on the graph. Generally, wet years plot above the period of record mean line, whereas dry years plot below the line. Comal and San Marcos springs, the largest and second-largest springs in Texas, respectively, are fed by the Edwards Aquifer.

## Figure 9. Major Springs in the Edwards Aquifer



## Table 8. Annual Estimated Groundwater Discharge Data by County for the Edwards Aquifer, 1934–2011 (measured in thousands of acre-feet).

| Year | Uvalde[a] | 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 | Uvalde[a] | Medina | Bexar[b] | Comal[c] | 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 | 312.4 | 271.8 | 168.8 | 917.6 | 453.5 | 464.1 |
| 1999 | 104.0 | 49.2 | 307.1 | 295.5 | 143.0 | 898.8 | 442.7 | 456.1 |
| 2000 | 89.1 | 45.1 | 283.6 | 226.1 | 108.4 | 752.3 | 414.8 | 337.5 |
| 2001 | 68.6 | 33.9 | 291.6 | 327.7 | 175.4 | 890.0 | 367.7 | 529.6 |
| 2002 | 76.2 | 40.6 | 311.9 | 350.4 | 202.1 | 981.2 | 371.3 | 609.9 |
| 2003 | 89.4 | 34.8 | 331.7 | 344.7 | 176.3 | 976.9 | 362.1 | 621.5 |
| 2004 | 91.3 | 22.5 | 331.9 | 341.4 | 153.1 | 940.3 | 317.4 | 622.9 |
| 2005 | 107.4 | 37.3 | 366.1 | 349.3 | 175.6 | 1035.7 | 388.5 | 647.1 |
| 2006 | 107.5 | 64.9 | 289.5 | 216.7 | 87.9 | 766.5 | 454.5 | 312.0 |
| 2007 | 64.6 | 18.4 | 330.2 | 331.7 | 196.0 | 940.9 | 319.9 | 621.0 |
| 2008 | 102.0 | 48.8 | 320.4 | 266.6 | 108.0 | 845.7 | 428.6 | 417.1 |
| 2009 | 76.9 | 47.3 | 265.2 | 206.6 | 87.8 | 683.7 | 395.7 | 287.9 |
| 2010 | 53.1 | 36.6 | 298.5 | 312.1 | 162.5 | 862.8 | 372.8 | 490.0 |
| 2011 | 79.6 | 57.4 | 277.2 | 187.7 | 91.0 | 692.9 | 427.7 | 265.2 |
| **For period of record 1934–2011:** | | | | | | | | |
| **Median** | 76.6 | 17.1 | 256.1 | 234.7 | 117.7 | 699.2 | 327.5 | 384.2 |
| **Mean** | 73.1 | 22.9 | 248.4 | 230.7 | 123.1 | 697.7 | 313.7 | 384.2 |
| **For period of record 2001–2011 (last ten years):** | | | | | | | | |
| **Median** | 84.5 | 39.0 | 316.2 | 321.9 | 164.4 | 901.6 | 380.7 | 550.0 |
| **Mean** | 85.0 | 40.9 | 312.3 | 290.7 | 147.0 | 872.7 | 383.8 | 489.5 |

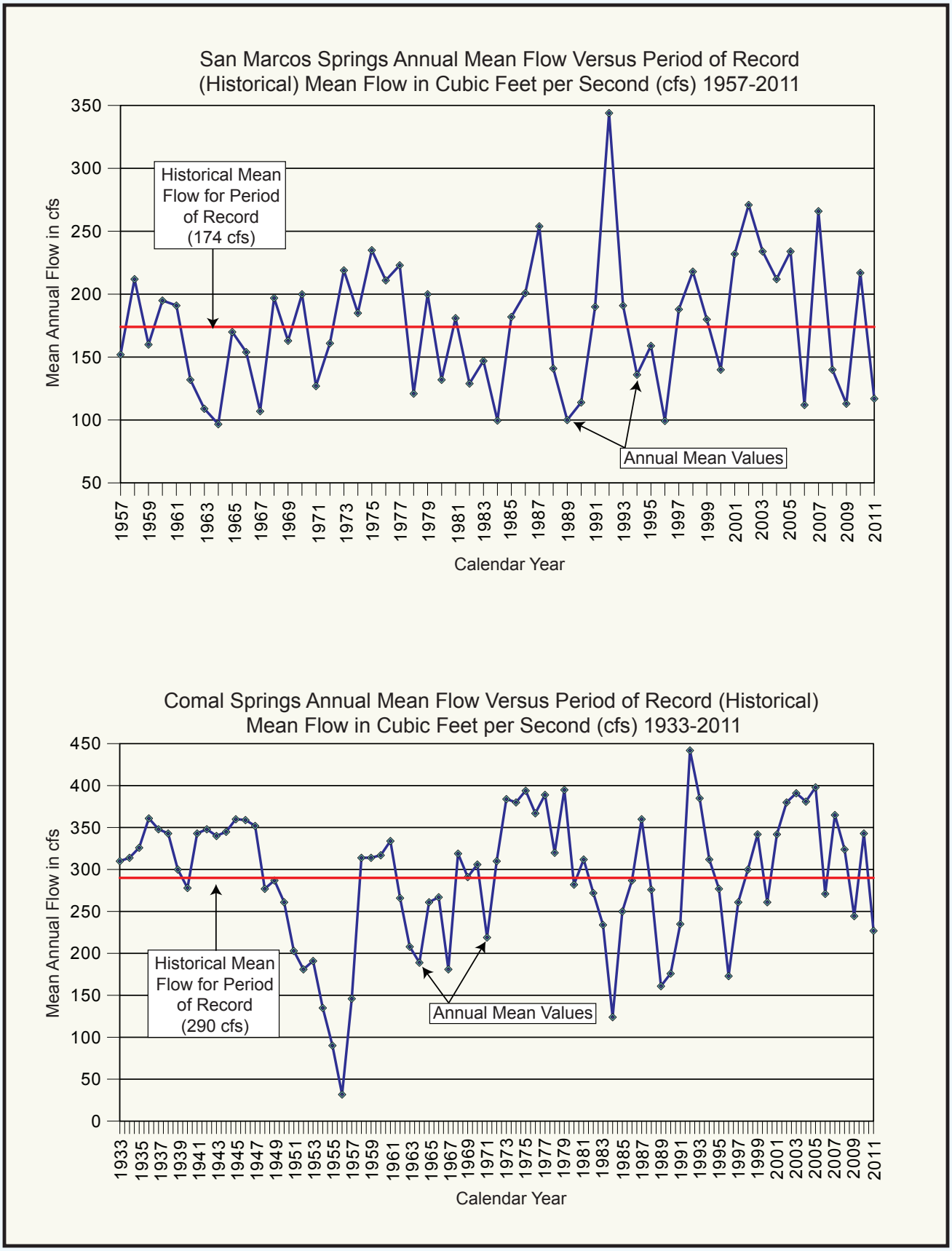
Data source: USGS and Edwards Aquifer Authority files (2012).
a = As of 2008, no longer includes Kinney County discharge; prior years include 1,900 acre-feet of discharge for Kinney County.
b = Includes reports of Edwards Aquifer irrigators in Atascosa County.
c = Includes reports of Edwards Aquifer industrial and municipal users in Guadalupe County.
Differences in totals may occur as a result of rounding.

## Table 9. Estimated Spring Discharge from the Edwards Aquifer, 2011 (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 | 632 | 422 | 519 | 19,420 | 1,870 | 10,060 | 32,923 |
| February | 502 | 320 | 48 | 17,600 | 1,300 | 8,440 | 28,210 |
| March | 499 | 200 | 0 | 18,180 | 1,230 | 9,160 | 29,269 |
| April | 382 | 86 | 0 | 15,850 | 952 | 8,160 | 25,430 |
| May | 352 | 18 | 0 | 14,240 | 901 | 7,530 | 23,041 |
| June | 239 | 0 | 0 | 10,860 | 650 | 6,600 | 18,349 |
| July | 211 | 0 | 0 | 10,760 | 438 | 6,400 | 17,809 |
| August | 207 | 0 | 0 | 10,430 | 102 | 5,880 | 16,619 |
| September | 187 | 0 | 0 | 9,980 | 142 | 5,390 | 15,699 |
| October | 212 | 1 | 0 | 11,760 | 867 | 5,650 | 18,490 |
| November | 233 | 0 | 0 | 11,720 | 672 | 5,580 | 18,205 |
| December | 293 | 9 | 0 | 13,210 | 1,550 | 6,110 | 21,172 |
| **Total** | **3,949** | **1,057** | **567** | **164,010** | **10,674** | **84,960** | **265,217** |

Data source: USGS unpublished report (2012).

**Figure 10. Annual Versus Period of Record Mean Springflow, San Marcos and Comal Springs**



For the purposes of this report, well discharge is either nonreported discharge, such as domestic, livestock, or federal facility use, or reported discharge. Nonreported discharge refers to users that are not required to obtain a groundwater withdrawal permit from the EAA. Reported discharge refers to water pumped from the aquifer by a person or entity holding a groundwater withdrawal permit. These users, who are typically larger quantity users, must meter their withdrawals and report the totals to the EAA. Nonreported discharge is estimated rather than metered. In 2011, total nonreported discharge was estimated at 19,025 acre-feet. Reported discharge totaled 408,628 acre-feet. As such, total estimated well discharge for the year was 427,653 acre-feet.

Well discharge from Kinney County prior to calendar year 2008 was included in discharge estimates and statistics for this report. However, starting with the *Edwards Aquifer Authority Hydrologic Data Report for 2008*, well discharges in Kinney County are no longer included in the data set. Recent hydrologic budget research (Green and others, 2006) indicates that well discharges in Kinney County that could be related to the aquifer are small and not generally metered. Prior to 2008, estimated well discharges for Kinney County were 1,900 acre-feet total, domestic and livestock use accounted for 300 acre-feet, irrigation accounted for 600 acre-feet, and municipal use accounted for 1,000 acre-feet of the 1,900 acre-foot total.

Table 10 provides a comprehensive summary of well and spring discharge information from the Edwards Aquifer for 2011. The table reports discharge based on type of use by county in acre-feet. Well discharge and springflow totals for the period of record are compared graphically in Figure 11. The figure shows the variability in well discharge and springflow over the period of record. Well discharge is generally highest in dry years, whereas springflow is highest in wet years. Figure 12 shows discharge based on percentages for wells versus springs and discharge by type of use for wells versus springs. Table 11 shows total discharge data by use for the period 1955–2011 for counties in the region.

In 2001, the EAA implemented a well-construction permitting system requiring all new wells drilled in the Edwards Aquifer to have a well-construction permit. Well-construction permitting data were used to develop updated estimates for the domestic/livestock use category in Tables 8, 10, 11, and 13. On the basis of the permitted installation of 61 domestic/livestock wells in 2011, domestic/livestock use was increased by approximately 38.5 acre-feet for 2011. The estimated mean per-well domestic/livestock usage of 564 gallons per well per day is based on the methodology outlined in William F. Guyton Associates (1992). New domestic/livestock wells, by county, installed in calendar year 2011 are:

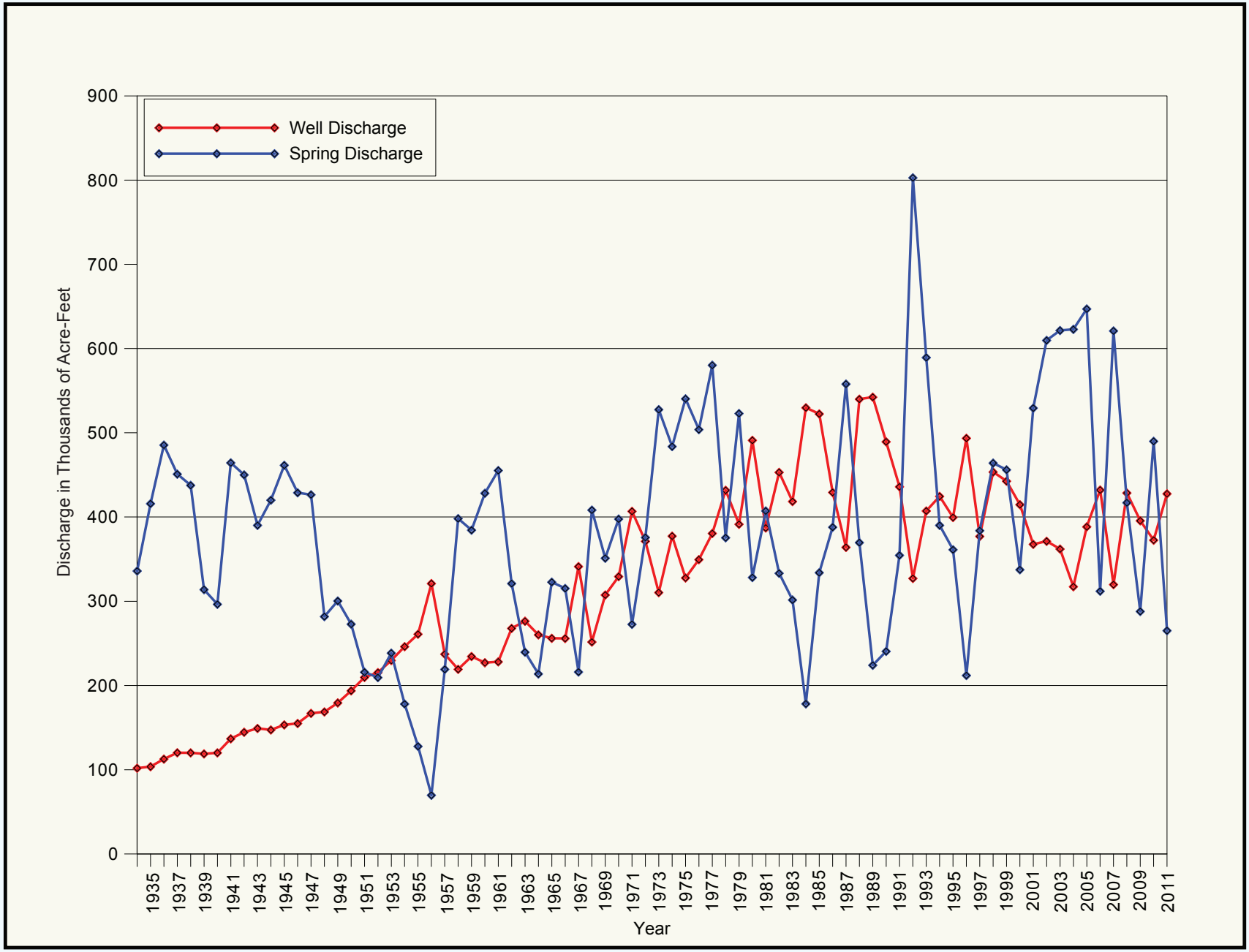
- Uvalde 25,
- Medina 17,
- Bexar 4,
- Comal 8, and
- Hays 7.

**Table 10. Comprehensive Discharge Summary for Calendar Year 2011 (in acre-feet).**

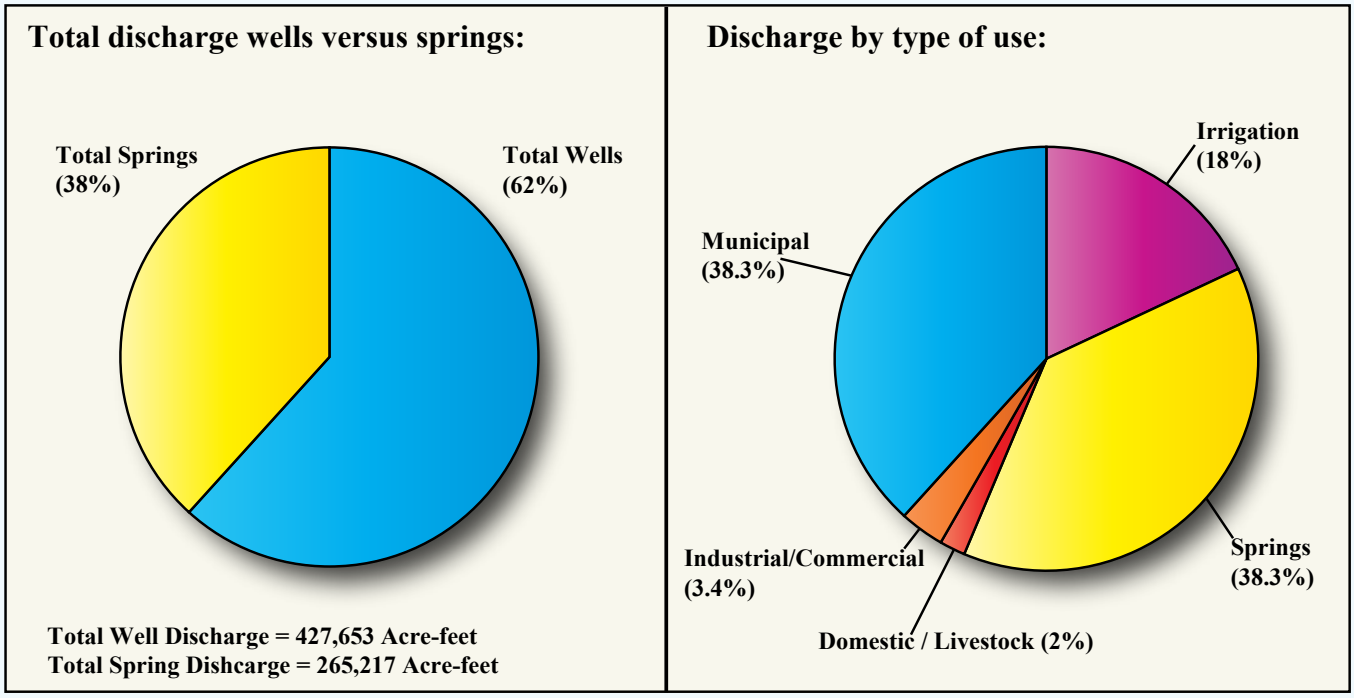
| | Reported Use (permitted wells) | | | Unreported Use | | | | |
|---|---|---|---|---|---|---|---|---|
| County | Irrigation | Municipal | Industrial | Domestic or Livestock* | Nonreporting Facilities* | Total Well Discharge | Spring Discharge | Total Wells and Springs |
| Atascosa | 1,233 | 0 | 0 | 0 | 0 | 1,233 | 0 | 1,233 |
| Bexar | 7,436 | 237,620 | 15,269 | 8,885 | 5,160 | 274,370 | 1,624 | 275,994 |
| Comal | 72 | 7,880 | 4,296 | 383 | 0 | 12,631 | 174,684 | 187,315 |
| Guadalupe | 1 | 132 | 216 | 0 | 0 | 349 | 0 | 349 |
| Hays | 384 | 3,097 | 1,482 | 854 | 195 | 6,012 | 84,960 | 90,972 |
| Medina | 47,608 | 6,740 | 1,978 | 1,063 | 0 | 57,389 | 0 | 57,389 |
| Uvalde | 68,171 | 4,862 | 151 | 2,457 | 28 | 75,669 | 3,949 | 79,618 |
| Totals | **124,905** | **260,331** | **23,392** | **13,642** | **5,383** | **427,653** | **265,217** | **692,870** |

* Federal facilities, domestic and livestock wells do not report annual use (nonreporting); quantities estimated.

Figure 11. Groundwater Pumping Compared with Springflow from the Edwards Aquifer, 1934–2011 (measured in thousands of acre-feet)



## Figure 12. Distribution of Total Discharge from the Edwards Aquifer by Springs and Wells for Calendar Year 2011




Reported withdrawal estimates, which are based on metered use throughout the region, provide the most accurate estimates of well discharge. Nonreported discharge estimates are generally less accurate than reported discharge because domestic and livestock numbers are not based on metered wells. Prior to 1999, well-discharge estimates were provided to the EAA by the USGS as estimates based on various methodologies that represented the best available technology at the time. However, in 1998 the EAA adopted rules requiring all irrigation, industrial, and municipal wells to be metered, subsequently improving estimates of well discharge from 1999 forward. Tables 12 and 13 show reported withdrawals (actual metered discharge from wells) within the jurisdictional area of the EAA. Table 12 summarizes actual reported groundwater withdrawal totals by year and type of use. Table 13 summarizes actual reported groundwater withdrawals by county and type of use, as well as estimated domestic use and measured springflows for calendar years 1999 through 2011.

## Table 11. Annual Estimated Edwards Aquifer Groundwater Discharge by Use, 1955–2011 (measured in thousands of acre-feet).

| Year | Domestic/ Stock | Industrial/ Commercial | Irrigation | Municipal | Springs |
|---|---|---|---|---|---|
| 1955 | 30.1 | 25.1 | 85.2 | 120.5 | 127.8 |
| 1956 | 28.9 | 22.4 | 127.2 | 138.3 | 69.8 |
| 1957 | 29.8 | 22.6 | 68.8 | 116.1 | 219.2 |
| 1958 | 33.4 | 25.1 | 47.2 | 113.7 | 398.2 |
| 1959 | 31.5 | 24.2 | 60.0 | 118.9 | 384.5 |
| 1960 | 29.1 | 23.3 | 54.9 | 121.1 | 428.3 |
| 1961 | 29.6 | 22.2 | 52.1 | 124.5 | 455.3 |
| 1962 | 28.8 | 22.8 | 72.7 | 143.7 | 321.1 |
| 1963 | 27.8 | 21.8 | 75.4 | 151.8 | 239.6 |
| 1964 | 26.3 | 21.7 | 72.6 | 140.2 | 213.8 |
| 1965 | 27.0 | 22.3 | 68.0 | 138.8 | 322.8 |
| 1966 | 23.3 | 22.6 | 68.2 | 141.8 | 315.3 |
| 1967 | 25.1 | 25.8 | 119.4 | 171.0 | 216.1 |
| 1968 | 25.5 | 20.0 | 59.3 | 146.9 | 408.3 |
| 1969 | 29.2 | 21.1 | 95.2 | 162.0 | 351.2 |
| 1970 | 29.3 | 22.5 | 110.1 | 167.5 | 397.7 |
| 1971 | 28.6 | 22.6 | 159.4 | 196.2 | 272.7 |
| 1972 | 30.8 | 21.1 | 128.8 | 190.5 | 375.8 |
| 1973 | 32.3 | 18.8 | 82.2 | 177.1 | 527.6 |
| 1974 | 33.5 | 15.1 | 140.4 | 174.6 | 483.3 |
| 1975 | 33.6 | 15.3 | 96.4 | 182.5 | 540.4 |
| 1976 | 34.6 | 14.7 | 118.2 | 182.1 | 503.9 |
| 1977 | 38.1 | 13.0 | 124.2 | 205.3 | 580.3 |
| 1978 | 40.3 | 11.5 | 165.8 | 214.2 | 375.5 |
| 1979 | 40.7 | 15.2 | 126.8 | 208.9 | 523.0 |
| 1980 | 43.3 | 13.7 | 177.9 | 256.2 | 328.3 |
| 1981 | 40.9 | 12.6 | 101.8 | 231.8 | 407.3 |
| 1982 | 39.5 | 15.0 | 130.0 | 268.6 | 333.3 |
| 1983 | 38.8 | 14.7 | 115.9 | 249.2 | 301.5 |
| 1984 | 36.2 | 15.2 | 191.2 | 287.2 | 178.3 |
| 1985 | 39.2 | 16.5 | 203.1 | 263.7 | 334.0 |
| 1986 | 42.0 | 16.8 | 104.2 | 266.3 | 388.0 |
| 1987 | 43.5 | 18.7 | 40.9 | 260.9 | 557.9 |
| 1988 | 41.9 | 18.8 | 193.1 | 286.2 | 369.7 |
| 1989 | 38.2 | 22.9 | 196.2 | 285.2 | 224.1 |
| 1990 | 37.9 | 23.7 | 172.9 | 254.9 | 240.6 |
| 1991 | 39.5 | 67.5 | 88.5 | 240.5 | 354.6 |
| 1992 | 34.8 | 29.0 | 27.1 | 236.5 | 802.8 |
| 1993 | 49.9 | 36.1 | 69.3 | 252.0 | 589.4 |
| 1994 | 33.9 | 39.3 | 104.5 | 247.0 | 390.2 |
| 1995 | 11.6 | 37.3 | 95.6 | 255.0 | 361.3 |
| 1996 | 12.3 | 38.8 | 181.3 | 261.3 | 212.0 |
| 1997 | 12.3 | 34.4 | 77.4 | 253.0 | 383.9 |
| 1998 | 13.4 | 41.7b | 131.9 | 266.5 | 464.1 |
| 1999 | 13.4 | 42.4 | 113.6 | 273.3 | 456.1 |
| 2000 | 13.4 | 33.8 | 106.3 | 261.3 | 337.5 |
| 2001 | 13.4 | 29.4 | 79.0 | 245.9 | 529.4 |
| 2002 | 13.6 | 32.3 | 97.1 | 228.4 | 609.9 |
| 2003 | 13.7 | 31.7 | 79.6 | 237.2 | 621.5 |
| 2004 | 13.8 | 28.1 | 55.4 | 220.3 | 622.9 |
| 2005 | 13.8 | 34.3 | 85.3 | 255.1 | 647.1 |
| 2006 | 13.8 | 34.5 | 149.1 | 259.1 | 312.0 |
| 2007 | 13.8 | 27.6 | 42.5 | 236.0 | 620.6 |
| 2008 | 13.5** | 28.8 | 112.7 | 273.6 | 417.1 |
| 2009 | 13.6** | 25.7 | 108.9 | 247.5 | 288.0 |
| 2010 | 13.6** | 26.4 | 72.7 | 259.9 | 490.0 |
| 2011 | 13.6** | 23.6 | 124.9 | 265.5 | 265.2 |
| **For period of record 1955–2011:** | | | | | |
| **Mean** | 29.3 | 22.8 | 101.8 | 233.6 | 383.9 |
| **Median** | 28.0 | 25.1 | 105.3 | 213.1 | 394.6 |
| **For period of record 2001–2011 (last ten years):** | | | | | |
| **Mean** | 13.7 | 29.6 | 91.2 | 250.2 | 550.0 |
| **Median** | 13.7 | 29.6 | 92.8 | 247.3 | 489.4 |

Data source: USGS unpublished report and Edwards Aquifer Authority files (2011).

** = Revision based on number of new wells permitted annually and discontinuation of Kinney County estimates in total.

Differences in totals may occur as a result of rounding.

## Table 12. Groundwater Withdrawals Attributed to Permit Holders (Reported Withdrawals) and Type of Use within the Edwards Aquifer Authority Jurisdictional Area, 1999–2011 (in acre feet).

| Year | Industrial/ Commercial | Irrigation | Municipal | Total |
|---|---|---|---|---|
| 1999 | 42,933 | 109,156 | 277,101 | 429,190 |
| 2000 | 33,473 | 104,970 | 260,291 | 398,734 |
| 2001 | 30,307 | 78,088 | 250,781 | 359,176 |
| 2002 | 32,328 | 96,445 | 227,362 | 356,135 |
| 2003 | 31,688 | 79,015 | 229,455 | 340,158 |
| 2004 | 28,072 | 54,793 | 212,630 | 295,495 |
| 2005 | 34,327 | 84,733 | 247,344 | 366,404 |
| 2006 | 34,472 | 148,480 | 251,390 | 434,342 |
| 2007 | 27,575 | 41,864 | 228,121 | 297,559 |
| 2008 | 28,815 | 112,708 | 266,655 | 408,178 |
| 2009 | 25,326 | 108,886 | 243,043 | 377,255 |
| 2010 | 26,187 | 72,690 | 255,204 | 354,081 |
| 2011 | 23,393 | 124,905 | 260,332 | 408,630 |

Data source: Edwards Aquifer Authority files (2012).

## Table 13. Groundwater Discharge Attributed to Permit Holders (Reported Withdrawals) by Type of Use, Domestic Use, and Springflow within the Edwards Aquifer Authority Jurisdictional Area by County, 1999–2011 (reported in acre feet).

### Uvalde County

| Year | Domestic Stock Use | Industrial/ Commercial | Irrigation | Municipal | Total Well Use | Spring-flow |
|---|---|---|---|---|---|---|
| 1999 | 2,300 | 2,046 | 58,857 | 7,106 | 70,309 | 33,100 |
| 2000 | 2,300 | 1,636 | 57,910 | 7,137 | 68,983 | 19,100 |
| 2001 | 2,300 | 921 | 43,160 | 4,790 | 51,171 | 51,200 |
| 2002 | 2,333 | 624 | 54,855 | 4,361 | 62,173 | 12,200 |
| 2003 | 2,369 | 488 | 44,765 | 4,023 | 51,645 | 35,900 |
| 2004 | 2,386 | 218 | 34,364 | 3,834 | 40,802 | 48,700 |
| 2005 | 2,400 | 940 | 46,428 | 4,248 | 54,016 | 51,570 |
| 2006 | 2,346 | 307 | 79,076 | 5,250 | 86,979 | 20,480 |
| 2007 | 2,411 | 198 | 26,090 | 3,728 | 32,427 | 30,290 |
| 2008 | 2,422 | 126 | 63,715 | 4,768 | 71,031 | 30,937 |
| 2009 | 2,430 | 107 | 58,814 | 4,797 | 66,148 | 10,530 |
| 2010 | 2,442 | 119 | 38,118 | 3,975 | 44,654 | 8,249 |
| 2011 | 2,457 | 151 | 68,171 | 4,862 | 75,641 | 3,949 |

### Medina County

| Year | Domestic Stock Use | Industrial/ Commercial | Irrigation | Municipal | Total Well Use | Spring-flow |
|---|---|---|---|---|---|---|
| 1999 | 900 | 1,354 | 39,004 | 7,727 | 48,985 | na |
| 2000 | 900 | 839 | 36,759 | 6,564 | 45,062 | na |
| 2001 | 900 | 768 | 26,407 | 6,433 | 34,508 | na |
| 2002 | 925 | 1,050 | 33,112 | 5,497 | 40,584 | na |
| 2003 | 947 | 727 | 27,217 | 5,922 | 34,813 | na |
| 2004 | 971 | 731 | 15,148 | 5,738 | 22,588 | na |
| 2005 | 985 | 1,295 | 29,066 | 5,957 | 37,303 | na |
| 2006 | 1,002 | 1,421 | 55,372 | 7,089 | 64,884 | na |
| 2007 | 1,017 | 550 | 11,180 | 5,651 | 18,398 | na |
| 2008 | 1,033 | 1,327 | 40,185 | 6,290 | 48,835 | na |
| 2009 | 1,046 | 1,456 | 38,348 | 6,409 | 47,259 | na |
| 2010 | 1,052 | 1,210 | 28,478 | 5,860 | 36,600 | na |
| 2011 | 1,063 | 1,978 | 47,608 | 6,740 | 57,389 | na |

### Bexar County

| Year | Domestic Stock Use | Industrial/ Commercial | Irrigation | Municipal | Total Well Use | Spring-flow |
|---|---|---|---|---|---|---|
| 1999 | 8,800 | 25,464 | 9,421 | 241,437 | 285,122 | 17,400 |
| 2000 | 8,800 | 21,849 | 8,903 | 233,983 | 273,535 | 3,400 |
| 2001 | 8,814 | 20,192 | 7,229 | 227,370 | 263,605 | 29,400 |
| 2002 | 9,000 | 20,084 | 7,633 | 205,897 | 242,614 | 68,600 |
| 2003 | 8,833 | 19,692 | 6,157 | 209,972 | 244,654 | 86,200 |
| 2004 | 8,849 | 18,608 | 4,849 | 195,462 | 227,768 | 97,000 |
| 2005 | 8,855 | 23,418 | 7,942 | 227,544 | 267,759 | 90,270 |
| 2006 | 8,861 | 24,654 | 11,716 | 228,757 | 273,988 | 6,650 |
| 2007 | 8,870 | 19,330 | 3,902 | 211,083 | 243,185 | 79,600 |
| 2008 | 8,875 | 19,231 | 7,265 | 244,622 | 279,993 | 32,292 |
| 2009 | 8,879 | 16,766 | 10,233 | 221,633 | 257,511 | 2,045 |
| 2010 | 8,883 | 17,882* | 5,107 | 236,185 | 268,057* | 25,028 |
| 2011 | 8,885 | 15,269 | 7,436 | 237,620 | 269,210 | 1,624 |

## Comal County (Table 13. continued)

| Year | Domestic Stock Use | Industrial/ Commercial | Irrigation | Municipal | Total Well Use | Spring-flow |
|---|---|---|---|---|---|---|
| 1999 | 300 | 12,242 | 129 | 10,511 | 23,182 | 275,300 |
| 2000 | 300 | 7,514 | 137 | 7,733 | 15,684 | 213,400 |
| 2001 | 300 | 6,556 | 44 | 7,289 | 14,189 | 316,700 |
| 2002 | 315 | 8,533 | 55 | 8,093 | 16,996 | 333,200 |
| 2003 | 325 | 9,549 | 92 | 4,174 | 14,140 | 330,400 |
| 2004 | 339 | 7,421 | 41 | 3,658 | 11,459 | 329,800 |
| 2005 | 347 | 7,528 | 57 | 5,275 | 13,207 | 335,910 |
| 2006 | 356 | 6,925 | 53 | 5,362 | 12,696 | 203,990 |
| 2007 | 363 | 6,281 | 15 | 4,092 | 10,751 | 320,643 |
| 2008 | 369 | 6,563 | 61 | 6,463 | 13,456 | 252,766 |
| 2009 | 375 | 5,409 | 65 | 6,620 | 12,469 | 193,740 |
| 2010 | 378 | 5,486* | 33 | 5,782 | 11,679* | 300,060 |
| 2011 | 383 | 4,296 | 72 | 7,880 | 12,631 | 174,684 |

## Hays County

| Year | Domestic Stock Use | Industrial/ Commercial | Irrigation | Municipal | Total Well Use | Spring-flow |
|---|---|---|---|---|---|---|
| 1999 | 800 | 1,646 | 19 | 10,320 | 11,985 | 130,300 |
| 2000 | 800 | 1,447 | 57 | 4,874 | 6,378 | 101,600 |
| 2001 | 800 | 1,650 | 77 | 4,899 | 6,626 | 167,900 |
| 2002 | 814 | 1,851 | 61 | 3,479 | 5,391 | 195,900 |
| 2003 | 825 | 1,050 | 107 | 5,324 | 6,481 | 169,000 |
| 2004 | 830 | 910 | 54 | 3,900 | 4,864 | 147,400 |
| 2005 | 833 | 928 | 120 | 4,320 | 5,368 | 169,400 |
| 2006 | 837 | 1,123 | 123 | 4,932 | 6,186 | 80,910 |
| 2007 | 841 | 1,066 | 139 | 3,413 | 4,618 | 190,510 |
| 2008 | 843 | 1,332 | 314 | 4,380 | 6,026 | 105,152 |
| 2009 | 845 | 1,378 | 275 | 3,423 | 5,921 | 81,660 |
| 2010 | 850 | 1,293 | 244 | 3,252 | 5,639 | 156,680 |
| 2011 | 854 | 1,482 | 384 | 3,097 | 5,817 | 84,960 |

## Guadalupe County

| Year | Domestic Stock Use | Industrial/ Commercial | Irrigation | Municipal | Total Well Use | Spring-flow |
|---|---|---|---|---|---|---|
| 1999 | na | 181 | 0 | 0 | 181 | 0 |
| 2000 | na | 188 | 0 | 0 | 188 | 0 |
| 2001 | na | 220 | 0 | 0 | 220 | 0 |
| 2002 | na | 186 | 0 | 35 | 221 | 0 |
| 2003 | na | 182 | 0 | 40 | 222 | 0 |
| 2004 | na | 184 | 0 | 38 | 222 | 0 |
| 2005 | na | 218 | 0 | 0 | 218 | 0 |
| 2006 | na | 42 | 6 | 0 | 48 | 0 |
| 2007 | na | 151 | 1 | 153 | 305 | 0 |
| 2008 | na | 236 | 3 | 132 | 371 | 0 |
| 2009 | na | 210 | 1 | 161 | 372 | 0 |
| 2010 | na | 197 | 1 | 150 | 348 | 0 |
| 2011 | na | 216 | 1 | 132 | 349 | 0 |

## Atascosa County

| Year | Domestic/ Stock Use | Industrial/ Commercial | Irrigation | Municipal | Total Well Use | Spring-flow |
|---|---|---|---|---|---|---|
| 1999 | na | 0 | 1,726 | 0 | 1,726 | 0 |
| 2000 | na | 0 | 1,204 | 0 | 1,204 | 0 |
| 2001 | na | 0 | 1,171 | 0 | 1,171 | 0 |
| 2002 | na | 0 | 729 | 0 | 729 | 0 |
| 2003 | na | 0 | 677 | 0 | 677 | 0 |
| 2004 | na | 0 | 337 | 0 | 337 | 0 |
| 2005 | na | 0 | 1,120 | 0 | 1,120 | 0 |
| 2006 | na | 0 | 2,125 | 0 | 2,125 | 0 |
| 2007 | na | 0 | 537 | 0 | 537 | 0 |
| 2008 | na | 0 | 1,165 | 0 | 1,165 | 0 |
| 2009 | na | 0 | 1,150 | 0 | 1,150 | 0 |
| 2010 | na | 0 | 709 | 0 | 709 | 0 |
| 2011 | na | 0 | 1,233 | 0 | 1,233 | 0 |

Data source: Edwards Aquifer Authority files (2012). na = not applicable or no information
Domestic/Stock use estimates incorporated new wells on the basis of drilling permits beginning in 2002; discharge quantity adjusted yearly thereafter.
Total Well Use includes only categories of well use listed in table (Domestic/Stock, Industrial/Commercial, Irrigation, and Municipal).
* = Values corrected; additional data received after publication of 2010 report.

# WATER QUALITY

The EAA and its predecessor agency, the EUWD, in cooperation with the USGS and TWDB, have conducted a program of water quality data collection since 1968. Analyses of these data have been used by the EAA to assess aquifer water quality.

Each year the EAA monitors the quality of water in the aquifer by sampling wells, springs, and streams across the region. Five major spring groups are sampled annually, on a quarterly or more frequent basis if springflows are sufficient: San Antonio, San Pedro, Hueco, Comal, and San Marcos springs. However, it is not uncommon for the EAA to collect additional samples from other springs in the region. For example, in 2011, the EAA also collected samples from Las Moras (Fort Clark) Springs in Kinney County.

Because of the large areal extent of the aquifer and the large number of wells within it, the annual data set provides only limited resolution with regard to aquiferwide conditions. Therefore, the sampling program provides a representative "snapshot" of water quality conditions relative to the location, time, and date the sample was collected. A total of 71 wells, six spring groups, and 10 streams were sampled under the EAA water quality sampling program in 2011. Many of the wells and springs were sampled multiple times to evaluate temporal changes in water quality at select locations. The EAA water quality program included testing for many different types of compounds. Whereas not all sample points were tested for each of the analyses listed below, the cumulative results of the annual testing program are intended to be representative of general water quality across the region. Analytical testing for the following compounds was performed: bacteria, nutrients, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, pesticides, herbicides, polychlorinated bi-phenyls (PCBs), and limited analyses for personal care and pharmaceutical products (PPCPs).

Although most sample results did not indicate anthropogenic impacts at the sample point, some compounds of concern were detected at what is considered low levels in various wells and springs and one surface water sample. In well samples, 27 VOC detections were noted at 13 different wells—19 percent of the 69 wells sampled. Tetrachloroethene (PCE) and chloroform account for over 50 percent of the VOC detections. However, none of the detections was at a concentration in excess of the applicable regulatory standards for drinking water. Samples collected for pesticide and herbicide analyses resulted in seven detections. Two elevated nitrate (nutrient) detections were noted in wells also. Again, none of the detections was in excess of applicable regulatory standards.

Samples collected at springs indicated detections of VOCs, SVOCs, pesticides, herbicides, metals, and one PCB. Although at least one pesticide sample set was verified as a laboratory artifact (at Comal Springs), other sample results indicate the possibility of anthropogenic impacts. Significant detections include one PCB compound in a sample from Comal Springs at a concentration above the regulatory limit. Comal Springs was sampled monthly at three locations during the year. Four VOC detections were noted out of 78 spring samples (five percent), and seven pesticide detections in 77 samples (nine percent). Arsenic was detected above the regulatory limit in one Comal Springs sample, as was antimony in a Blanco River sample.

Personal-care and pharmaceutical-product sampling performed in 2011 provided some insight into the presence of these compounds in groundwater. In the five wells and one spring sampled, only one well was nondetect with regard to these compounds. Unlike other analytical results previously discussed, PPCP analyses are performed such that these compounds are detected at the nanogram per liter (ng/L) concentration, or parts per trillion. Therefore, the detections noted were all at very low concentrations. The types of PPCP compounds detected were estrogen hormones (one well and at Comal Springs), antibiotics (four wells), an antibacterial soap ingredient (one well), and nicotine metabolite (one well). Note that at the time of testing for these compounds, no regulatory standards existed for their presence in drinking water. Concentrations for detected PPCP compounds

ranged from 0.31 to 6.9 ng/L. The number of samples collected and analyzed aquiferwide is outlined below

Sample-Collection Summary Calendar Year 2011

Bacteria Samples

- 63 samples collected at 54 wells
- 65 samples collected at 5 spring groups
- 12 samples collected at ten stream sites

Metals Samples

- 80 samples collected at 70 wells
- 78 samples collected at six spring groups
- 15 samples collected at ten stream sites

Nitrate-Nitrite as Nitrogen

- 88 samples collected at 72 wells
- 78 samples collected at six spring groups
- 15 samples collected at ten stream sites

Volatile Organic Compounds

- 83 samples collected at 69 wells
- 78 samples collected at six spring groups
- One sample collected at one stream site

Semivolatile Organic Compounds

- 22 samples collected at eight wells
- 77 samples collected at five spring groups

Pesticide and/or Herbicide Compounds

- 50 samples collected at 48 wells
- 77 samples collected at five spring groups
- 13 samples collected at eight stream sites

Polychlorinated Bi-Phenyls

- 48 samples collected at 48 wells
- 77 samples collected at five spring groups
- 13 samples collected at eight stream sites

Pharmaceutical and Personal Care Products

- Five samples collected at five wells
- One sample collected at one spring (Comal)

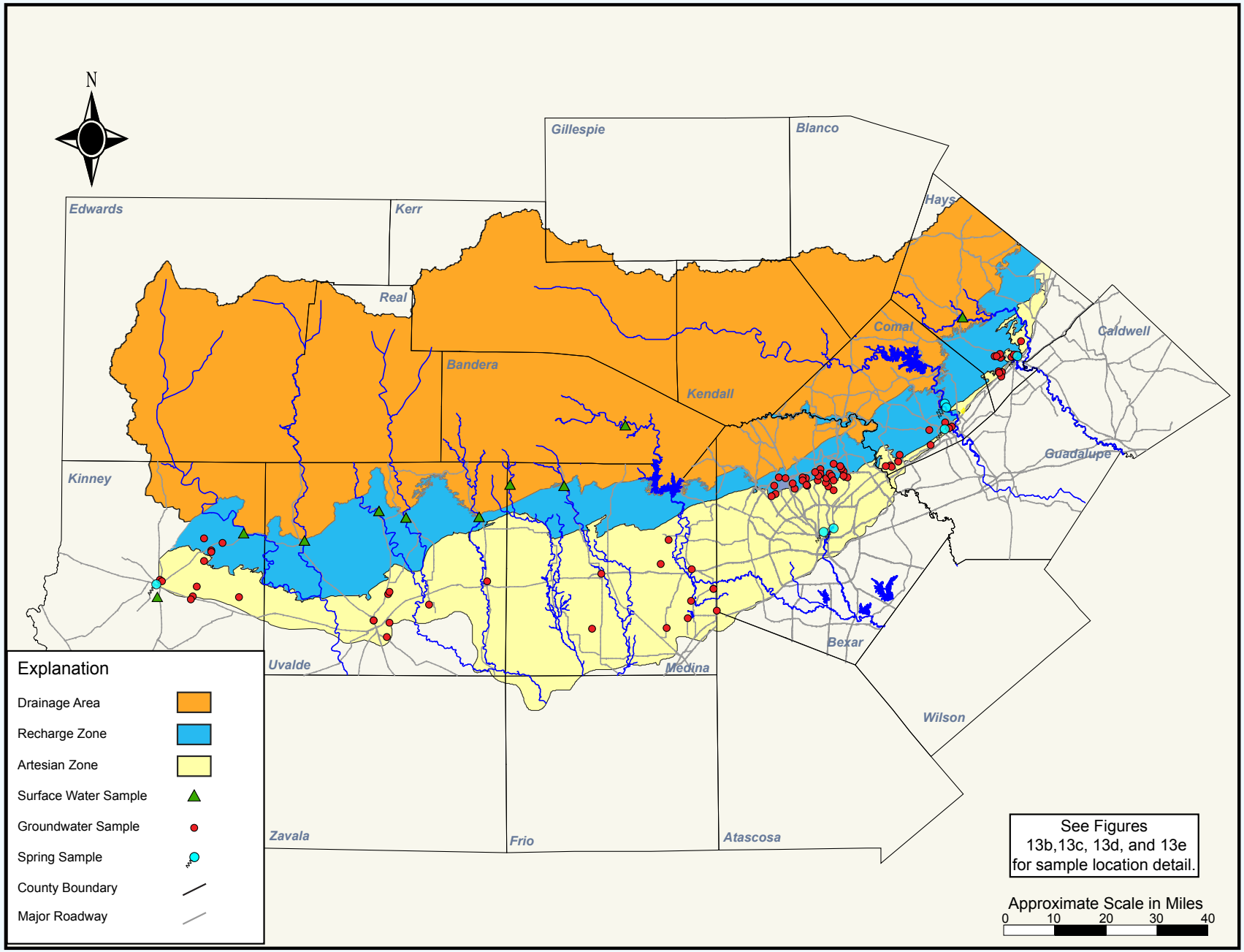
For water quality samples, a general listing of the parameters analyzed, their drinking-water standards, and typical concentrations in the Edwards Aquifer are listed in Table 14. Routine water quality data collected from wells in 2011 are compiled in Appendix C, Tables C-1 through C-7. Routine water quality data collected from streams and springs in 2011 are compiled in Appendix C, Tables C-8 through C-14. Results for sampling of PPCP compounds for both wells and springs are listed in Table C-15. Analytical results discussed herein are compared with historic data to observe trends and to determine whether any concentrations exceed regulatory levels. For samples taken from locations such as private or municipal wells, or Comal or San Marcos springs, a copy of analytical results for the location is forwarded to the owner, or appropriate entity, as a courtesy for allowing the EAA access to these locations.

**Primary Drinking-Water Standards**—These standards are enforceable for public water supply systems and are often referred to as maximum contaminant levels (MCLs), 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. MCLs 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 (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.

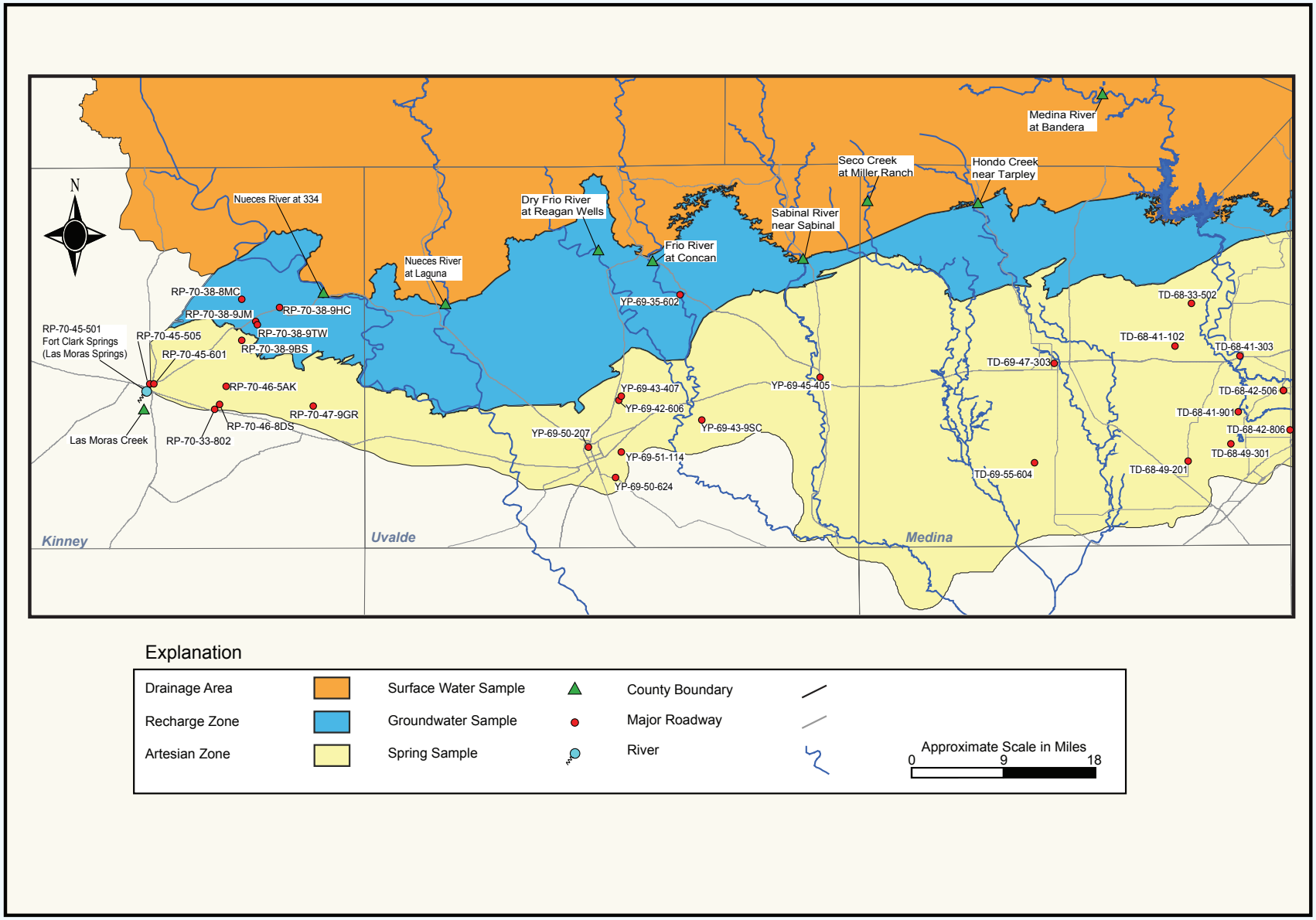
**Secondary Drinking-Water Standards**—These standards are nonenforceable and are set for contaminants that may affect aesthetic qualities of drinking water, such as odor or appearance. Table 15 is a list of current secondary standards. Concentrations of the secondary standards listed in Table 15 are generally not exceeded in the freshwater part of the Edwards Aquifer, although concentrations of TDS, fluoride, chloride, and iron typically exceed secondary standards in samples from the saline water zone.

*(continued on page 55)*

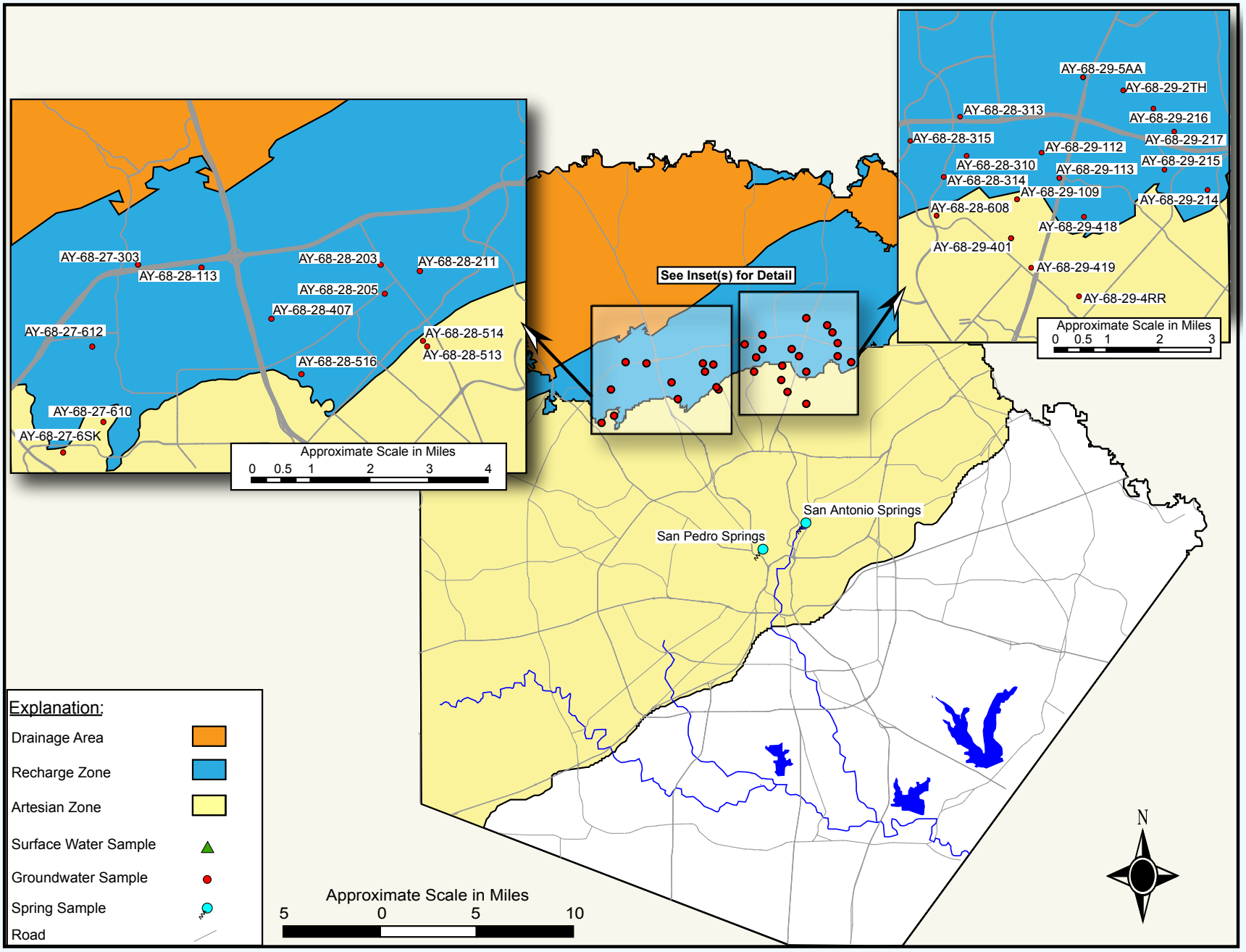
## Figure 13a. Year 2011 Edwards Aquifer Authority Water Quality Sampling Locations—Wells, Springs, and Streams Sampled



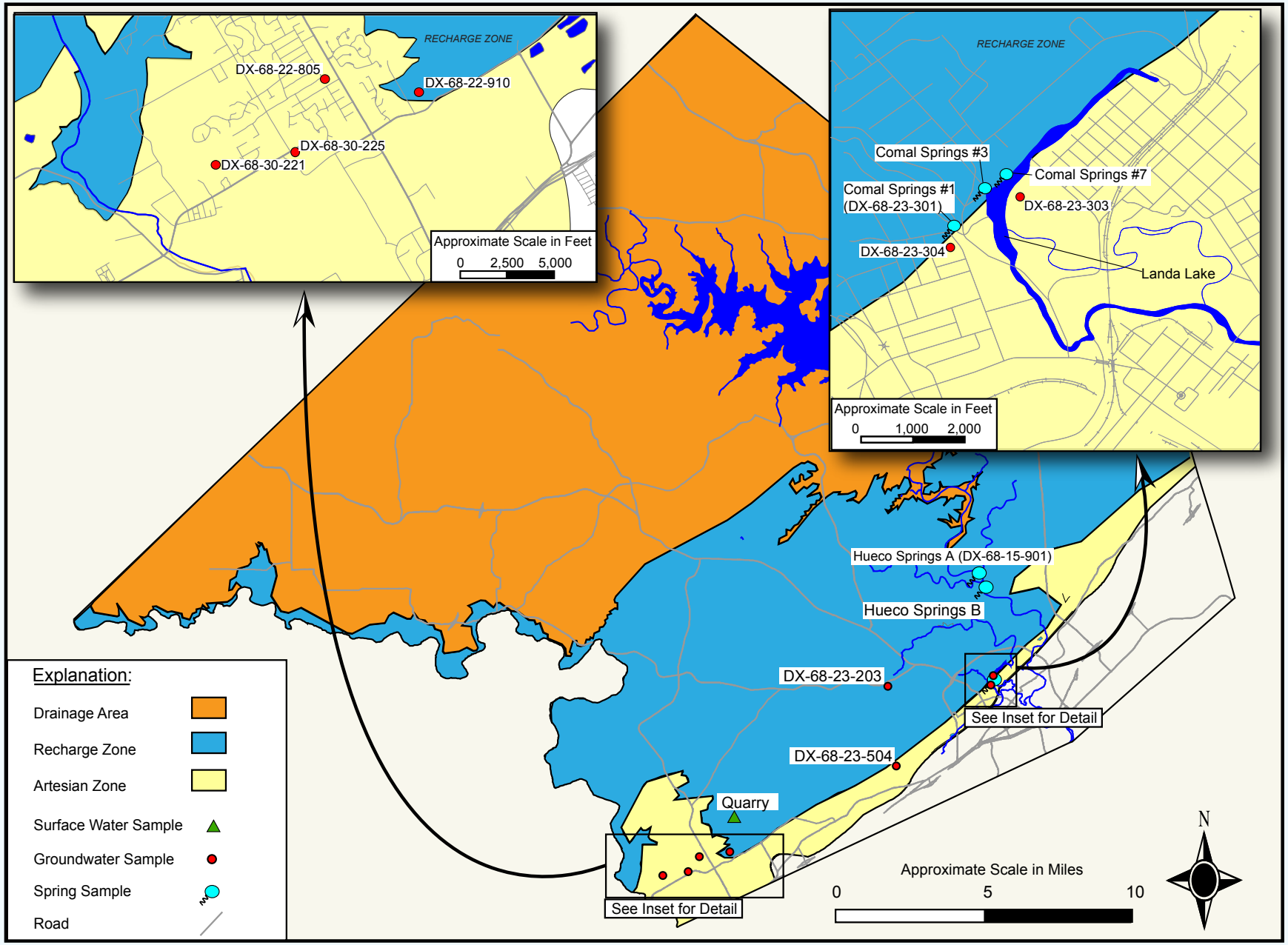
## Figure 13b. Year 2011 Edwards Aquifer Authority Water Quality Sampling Locations, Kinney, Uvalde, and Medina Counties



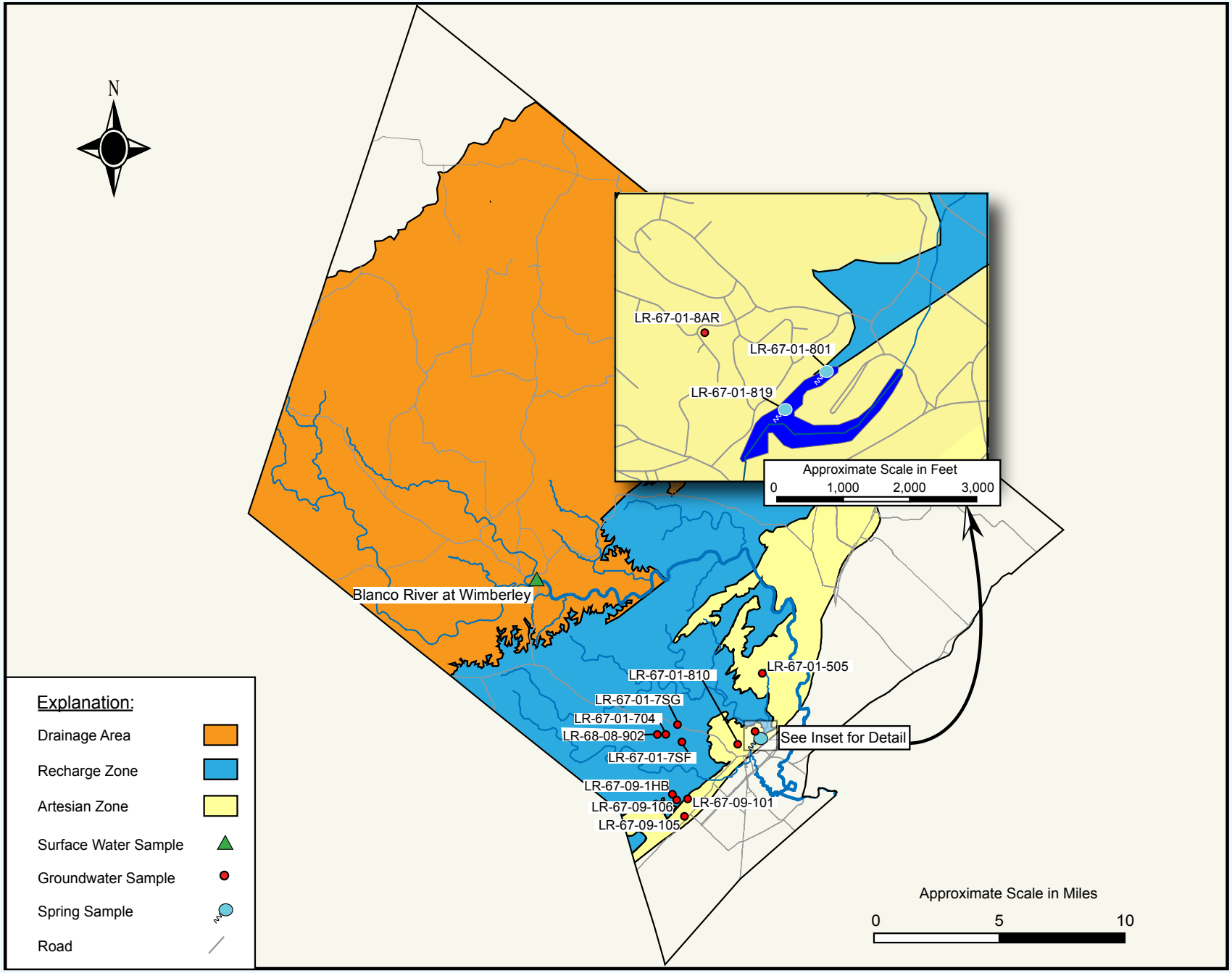
## Figure 13c. Year 2011 Edwards Aquifer Authority Water Quality Sampling Locations, Bexar County



## Figure 13d. Year 2011 Edwards Aquifer Authority Water Quality Sampling Locations, Comal County



## Figure 13e. Year 2011 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, 2011.

| Parameter and Method | Maximum Contaminant Levels or Secondary Standards | Range of Concentrations Detected in 2011 | Typical Range of Concentrations for the Freshwater Edwards Aquifer |
|---|---|---|---|
| **Field** | | | |
| Temperature **(℃)** EPA 170.1 | **NE** | **14.4-32.10** | **20-23** |
| pH measured at 25 ℃ EPA 150.1 | **>7.0*** | **5.8-7.79** | **6.5-8.0** |
| Turbidity **(NTU)** | **NE** | **0.04-32.9** | **0.05-2** |
| Dissolved oxygen (DO) **(mg/L)** | **NE** | **3.4-12.93** | **2-4** |
| Alkalinity total as $CACO_3$ SM 2320 B **(mg/L)** | **NE** | **187-373** | **200-400** |
| Specific conductance uS/cm | **NE** | **225-1008** | **500-600** |
| | | | |
| **Laboratory** | | | |
| Alkalinity total as $CACO_3$ SM 2320 B | **NE** | **78-370** | **200-400** |
| Bicarbonate ($HCO_3$) SM 2320 B | **NE** | **135-370** | **200-400** |
| Fecal coliform (CFU / 100 mL) | **0 MCLG[1]** | **<1-620** | **0-3** |
| Fecal strep (CFU / 100 mL) | **0 MCLG[1]** | **<1-2700** | **0-9** |
| E. coli (CFU/100 mL) | **0 MCLG[1]** | **<1-130** | **0-3** |
| pH measured at 25 ℃ EPA 150.1 | **>7.0*** | **6.05-8.51** | **6.5-8.0** |
| Specific conductance uS/cm | **NE** | **432-884** | **500-600** |
| | | | |
| **Nutrients (mg/L)** | | | |
| Nitrate-nitrite as N EPA354.1/300.0 | **10** | **0.7-5.19** | **ND-2.5** |
| Nitrate as N E300 | **10** | **ND-5.55** | **ND-2.5** |
| Orthophosphate EPA 365.3 | **NE** | **<0.02-0.023** | **ND-0.03** |
| Ammonia as N SM 4500 | **NE** | **<0.10-0.714** | **ND** |
| Phosphorus | **NE** | **0.0242-1.24** | **ND** |
| | | | |
| **Major Ions (mg/L)** | | | |
| Sulfate ($SO_4$) EPA 300.0 | **300*** | **3.31-158** | **30-60** |
| Solids total dissolved (TDS) EPA 160.1 | **1000*** | **186-623** | **200-400** |
| Solids total suspended (TSS) EPA 160.2 | **NE** | **<1-758** | **ND-2** |
| Bromide (Br) EPA 300.0 | **NE** | **<0.002-0.28** | **ND-0.2** |
| Chloride (Cl) EPA 300.0 | **300*** | **0.393-73.3** | **15-50** |
| Fluoride (F) EPA 340.2 | **4.0*** | **ND-2.16** | **0.02-0.4** |
| | | | |
| **Metals by EPA 200.7 and 200.8 (µg/L)** | | | |
| Aluminum | **24,000**** | **<22.5-314** | **ND-40** |
| Antimony | **6.0** | **<1.61-13.8** | **ND–1** |
| Arsenic | **10.0** | **<1.09-15** | |
| Barium | **2,000** | **ND-359** | **10-100** |
| Beryllium | **4.0** | **<1** | **ND-1** |
| Boron | **4,900**** | **<50-124** | **ND-60** |
| Cadmium | **5.0** | **<0.854-1.79** | **ND-0.6** |
| Chromium | **100.0** | **<1.4-2.01** | **ND-3** |
| Cobalt | **1,500**** | **<1** | **ND-1** |
| Copper | **1,300*** | **<2.00-6.44** | **ND-4** |
| Iron | **300*** | **<101-423** | **ND-6** |
| Lead | **15.0** | **<0.733-1.83** | **ND–3** |
| Lithium | **490**** | **2.1-8.50** | **ND-5** |
| Manganese | **1100*** | **<11.6-63.1** | **ND-4** |
| Molybdenum | **120**** | **<1-36.9** | **ND-10** |
| Nickel | **490**** | **<2.17-3.89** | **ND-3** |
| Selenium | **50.0** | **<1.08-8.35** | **ND-30** |
| Silver | **120*** | **<0.941** | **ND-0.001** |
| Strontium | **15,000**** | **79.6-39700** | **200-500** |
| Thallium | **2.0** | **<0.693-1.79** | **ND-1** |
| Uranium | **30** | **<1-2.4** | **ND** |
| Vanadium | **1.7**** | **2-9.4** | **ND-4** |
| Zinc | **7300*** | **<0.355-617** | **ND-20** |
| | | | |
| **Metals by E200.8 (mg/L)** | | | |
| Calcium | **NE** | **35.7-142** | **0.05-0.10** |
| Magnesium | **NE** | **1.5-42.9** | **ND-0.004** |
| Potassium | **NE** | **0.469-8.85** | **5-15** |
| Sodium | **NE** | **3.95-47.2** | **0.005-0.015** |

## (Table 14. continued)

| Parameter and Method | Maximum Contaminant Levels or Secondary Standards | Range of Concentrations Detected in 2011 | Typical Range of Concentrations for the Freshwater Edwards Aquifer |
|---|---|---|---|
| **Metals by SW-7470A (mg/L)** | | | |
| Mercury | 0.002 | <0.00013-0.0008 | ND-0.0001 |
| | | | |
| **Total Organic Carbon by E415.1 (mg/L)** | | | |
| TOC | NE | 0.311-60.0 | ND |
| | | | |
| **Herbicides by SW-8141 (µg/L)** | | | |
| Azinphosmethyl | 37** | <0.483 | ND |
| Bolstar (Sulprofos) | 73** | <0.483 | ND |
| Chlorpyrifos | 73** | <0.483 | ND |
| Coumaphos | 170** | <0.483 | ND |
| Demeton-O | 1.0** | <1.26 | ND |
| Demeton-S | 0.98** | <1.26 | ND |
| Diazinon | 22** | <0.483 | ND |
| Dichlorvos | 3.1** | <0.966 | ND |
| Dimethoate | 4.9** | <0.966 | ND |
| Disulfoton | 0.98** | <0.966 | ND |
| EPN | 0.24** | <0.483 | ND |
| Ethoprop | 2.4** | <0.483 | ND |
| Famphur | 0.73** | <0.966 | ND |
| Fensulfothion | 24** | <2.42 | ND |
| Fenthion | 1.7** | <0.483 | ND |
| Malathion | 490** | <0.483 | ND |
| Merphos | 7.3** | <0.725 | ND |
| Methyl parathion | 6.1** | <0.483 | ND |
| Mevinphos (Phosdrin) | 0.61** | <0.966 | ND |
| Mononcrotophos | 15** | <4.83-6.65 | ND |
| Naled | 49** | <2.42 | ND |
| Parathion | 150** | <0.483 | ND |
| Phorate | 4.9** | <0.483 | ND |
| Ronnel | 1,200** | <0.483 | ND |
| Stirophos (Tetrachlorvinphos) | 1000** | <0.483 | ND |
| Sulfotepp (Tetraethyl dithiopyrophosphate) | 12** | <0.483 | ND |
| Tokuthion (Prothiofos) | 2.4** | <0.483 | ND |
| Trichloronate | 73** | <0.483 | ND |
| Thionazin | 1.7** | <0.483 | ND |
| | | | |
| **Herbicides by SW-8151 (µg/L)** | | | |
| 2,4,5-T | 240 | <0.0645 | ND |
| 2,4,5-TP (Silvex) | 50.0 | <0.0645 | ND |
| 2,4- D | 70.0 | <0.038-0.0927 | ND |
| 2,4-DB | 200 | <0.156 | ND |
| Dalapon | 200 | <0.104 | ND |
| Dicamba | 730 | <0.0885 | ND |
| Dichoroprop | 240 | <0.156 | ND |
| Dinoseb | 7.0 | <0.167 | ND |
| MCPA | 12 | <17.7 | ND |
| MCPP (mecoprop) | 24 | <19.8 | ND |
| Pentachlorophenol | 1.0 | <0.385 | ND |
| | | | |
| **Pesticides by SW-8081 (µg/L)** | | | |
| 4, 4'-DDD | 3.8** | <0.00088-0.00854 | ND |
| 4, 4'-DDE | 2.7** | <0.001-0.00511 | ND |
| 4, 4'-DDT | 2.7** | <0.0035-0.00796 | ND |
| Aldrin | 0.05** | <0.0013-0.00404 | ND |
| Alpha-bhc (Alpha-hexachlorocyclohexane) | 0.1** | <0.003 | ND |
| Alpha-chlordane | 2.6** | <0.00093-0.00726 | ND |
| Beta-bhc (Beta-hexachlorocyclohexane) | 0.5** | <0.004-0.0132 | ND |
| Chlordane | 2.0 | <0.096 | ND |
| Delta-bhc (Delta-hexachlorocyclohexane) | 0.5** | <0.0029-0.00488 | ND |
| Dieldrin | 0.57** | <0.00078 | ND |
| Endosulfan I | 49** | <0.00094 | ND |
| Endosulfan II | 150** | <0.0018-0.0083 | ND |
| Endosulfan sulfate | 150** | <0.0028-0.00953 | ND |
| Endrin | 2.0** | <0.00064-0.00712 | ND |
| Endrin aldehyde | 7.3** | <0.00079-0.0125 | ND |

## (Table 14. continued)

| Parameter and Method | Maximum Contaminant Levels or Secondary Standards | Range of Concentrations Detected in 2011 | Typical Range of Concentrations for the Freshwater Edwards Aquifer |
|---|---|---|---|
| Endrin ketone | 7.3** | <0.0016-0.00784 | ND |
| Gamma-bhc (Lindane) | 0.2 | <0.0011-0.00348 | ND |
| Gamma-chlordane | 2.6** | <0.0016-0.0157 | ND |
| Heptachlor | 0.4 | <0.0015-0.00232 | ND |
| Heptachlor epoxide | 0.2 | <0.0013-0.00659 | ND |
| Methoxychlor | 40.0 | <0.0021 | ND |
| Toxaphene | 3.0 | <0.240 | ND |
| | | | |
| **PCBs by SW-8082 (µg/L)** | | | |
| Aroclor 1016 | 0.5 | <0.5 | ND |
| Aroclor 1221 | 0.5 | <0.5 | ND |
| Aroclor 1232 | 0.5 | <0.5 | ND |
| Aroclor 1242 | 0.5 | <0.5 | ND |
| Aroclor 1248 | 0.5 | <0.5 | ND |
| Aroclor 1254 | 0.5 | <0.5-8.4 | ND |
| Aroclor 1260 | 0.5 | <0.5 | ND |
| Aroclor 1262 | 0.5 | <0.5 | ND |
| Aroclor 1268 | 0.5 | <0.5 | ND |
| | | | |
| **SVOCs by SW-8270C (µg/L)** | | | |
| 1,2- dichlorobenzene | 600** | <0.503 | ND |
| 1,2,4- trichlorobenzene | 70 | <0.585 | ND |
| 2, 4, 5-trichlorophenol | 2,400** | <0.396 | ND |
| 2, 4, 6-trichlorophenol | 24** | <0.393 | ND |
| 2, 4-dichlorophenol | 73** | <0.387 | ND |
| 2, 4-dimethylphenol | 490** | <0.560 | ND |
| 2, 4-dinitrophenol | 49** | <0.928 | ND |
| 2-chlorophenol | 120** | <0.361 | ND |
| 2-methylnaphthalene | 98** | <0.429 | ND |
| 2-methylphenol (o-cresol) | 1,200** | <0.486 | ND |
| 2-nitroaniline | 7.3** | <0.443 | ND |
| 2-nitrophenol | 49** | <0.408 | ND |
| 3 & 4 methylphenol (m&p cresol) | 1200** | <0.881 | ND |
| 3-nitroaniline | 7.3** | <1.79 | ND |
| 4, 6-dinitro-2-methylphenol | 2.4** | <1.82 | ND |
| 4-chloro-3-methylphenol | 120** | <0.498 | ND |
| 4- chloroaniline | 4.6** | <0.456 | ND |
| 4-nitroaniline | 46** | <1.46 | ND |
| 4-nitrophenol | 49** | <1.77 | ND |
| Naphthalene | 490** | <0.477-0.0358 | ND |
| Nitrobenzene | 49** | <0.336 | ND |
| Pentachlorophenol | 1.0 | <0.5 | ND |
| Phenanthrene | 730** | <0.514 | ND |
| Phenol | 7,300** | <1.0 | ND |
| Pyrene | 730** | <1.0 | ND |
| N-nitrosodi-n-propylamine | 0.13** | <0.650 | ND |
| N-nitrosodiphenylamine | 190** | <0.509 | ND |
| Acenaphthene | 1,500** | <0.569 | ND |
| Acenaphthylene | 1,500** | <0.500 | ND |
| Anthracene | 7,300** | <0.404 | ND |
| Benzo(a)anthracene (1 2-benzanthracene) | 1.3** | <0.500 | ND |
| Benzo(b)fluoranthene | 1.3** | <0.500 | ND |
| Benzo(k)fluoranthene | 13** | <0.364 | ND |
| Benzo(ghi)perylene | 730** | <0.500 | ND |
| Benzo(a)pyrene | 0.2 | <0.500 | ND |
| Benzyl Alcohol | 2400** | <1.36 | ND |
| Butyl benzyl phthalate | 480** | <0.500 | ND |
| Bis(2-chloroethoxy)methane | 0.83** | <0.593 | ND |
| Bis(2-chloroethyl)ether | 0.83** | <0.705 | ND |
| Bis(2-ethylhexyl)phthalate | 6.0 | <1.89-89.6 | ND |
| 4-bromophenyl phenyl ether | 0.061** | <0.743 | ND |
| 4-chloroaniline | 4.6** | <0.456 | ND |
| 2-chloronaphthalene | 2,000** | <0.497 | ND |
| 4-chlorophenyl phenyl ether | 0.061** | <0.524 | ND |
| Chrysene | 130** | <0.500 | ND |
| Dibenz(a,h)anthracene | 0.2** | <0.500 | ND |

## (Table 14. continued)

| Parameter and Method | Maximum Contaminant Levels or Secondary Standards | Range of Concentrations Detected in 2011 | Typical Range of Concentrations for the Freshwater Edwards Aquifer |
|---|---|---|---|
| Dibenzofuran | 98** | <0.514 | ND |
| 3 3-dichlorobenzidine | 2** | <1.00 | ND |
| Diethyl phthalate | 20,000** | <0.524-0.838 | ND |
| Dimethyl phthalate | 20,000** | <0.549 | ND |
| Di-n-butyl phthalate | 2,400** | <0.500 | ND |
| Di-n-octyl phthalate | 980** | <0.500 | ND |
| 2 4-dinitrotoluene | 1.3** | <0.383 | ND |
| 2 6-dinitrotoluene | 1.3** | <0.522 | ND |
| Fluoranthene | 980** | <0.500 | ND |
| Fluorene | 980** | <0.608 | ND |
| Hexachlorobenzene | 1** | <0.652 | ND |
| Hexachlorobutadiene | 12** | <1.00 | ND |
| Hexachlorocyclopentadiene | 50 | <5.00 | ND |
| Hexachloroethane | 24** | <1.00 | ND |
| Indeno(1,2,3-cd)pyrene | 1.3** | <0.500 | ND |
| Isophorone | 960** | <0.626 | ND |
| | | | |
| **VOCs SW-8260b (µg/L)** | | | |
| 1, 1, 1, 2-tetrachloroethane | 35.0** | <0.209 | ND |
| 1, 1, 1-trichloroethane | 200.0 | <0.300 | ND |
| 1, 1, 2, 2-tetrachloroethane | 4.6** | <0.190 | ND |
| 1, 1, 2-trichloroethane | 5.0 | <0.173 | ND |
| 1, 1-dichloroethane | 4900** | <0.168 | ND |
| 1, 1-dichloropropene | 9.1** | <0.185 | ND |
| 1, 1-dichloroethene (Vinylidene chloride) | 7.0 | <0.300 | ND |
| 1- chlorohexane | 980** | <0.500 | ND |
| 1-octene | NE | <0.440 | ND |
| 1, 2, 3-trichlorobenzene | 73** | <0.217 | ND |
| 1, 2, 3-trichloropropane | 0.03** | <0.191 | ND |
| 1, 2, 4-trichlorobenzene | 70 | <0.168 | ND |
| 1, 2, 4-trimethylbenzene | 1200** | <0.200 | ND |
| 1, 2-dibromo-3-chloropropane | 0.2 | <0.349 | ND |
| 1, 2-dibromoethane (EDB) | NE | <0.150 | ND |
| 1, 2-dichlorobenzene | 600** | <0.117 | ND |
| 1, 2-dichloroethane (EDC) | 5.0 | <0.160 | ND |
| 1, 2-dichloropropane | 5.0 | <0.173 | ND |
| 1, 3, 5-trimethylbenzene | 1200** | <0.200 | ND |
| 1,3- butadiene | NE | <0.300 | ND |
| 1, 3-dichlorobenzene | 730** | <0.128 | ND |
| 1, 3-dichloropropane | 9.1** | <0.146 | ND |
| 1, 4-dichlorobenzene | 75** | <0.200 | ND |
| 1, 4-dioxane | 9.1** | <7.46 | ND |
| 2, 2-dichloropropane | 13 | <0.335 | ND |
| 2- chloro-1,3- butadiene | NE | <0.200 | ND |
| 2-chlorotoluene | 490** | <0.155 | ND |
| 2-hexanone | 120** | <0.200 | ND |
| 2-nitropropane | 3.4** | <0.225 | ND |
| 1,3,5- trichlorobenzene | 73** | <0.203 | ND |
| 3- chloro-1- propene | NE | <0.421 | ND |
| 4-chlorotoluene | 490** | <0.242 | ND |
| 4-isopropyltoluene | 2400** | <0.150 | ND |
| 4-methyl-2-pentanone (MIBK) | 1950** | <0.116 | ND |
| Acetone | 22,000** | <0.500-5.87 | ND |
| Acetonitrile | 780** | <10 | ND |
| Benzene | 5.0 | <0.140 | ND |
| Benzyl Chloride | 5.4** | <0.278 | ND |
| Bromobenzene | 200** | <0.128 | ND |
| Bromochloromethane (chlorobromomethane) | 980** | <0.228 | ND |
| Bromodichloromethane | 15** | <0.175 | ND |
| Bromoform (Tribromomethane) | 120** | <0.500 | ND |
| Bromomethane (Methyl bromide) | 34** | <0.392 | ND |
| Carbon disulfide | 2400** | <0.500-1.82 | ND |
| Carbon tetrachloride | 5.0 | <0.251 | ND |
| Chlorobenzene | 100.0 | <0.136 | ND |
| Chloroethane (Ethyl chloride) | 9,800** | <0.400 | ND |
| Chloroform | 240** | <0.173-1.86 | ND |

## (Table 14. continued)

| Parameter and Method | Maximum Contaminant Levels or Secondary Standards | Range of Concentrations Detected in 2011 | Typical Range of Concentrations for the Freshwater Edwards Aquifer |
|---|---|---|---|
| Chloromethane (Methyl chloride) | 70** | <0.390-0.944 | ND |
| Cis-1, 2-dichloroethene | 70.0 | <0.121 | ND |
| Cis-1, 3-dichloropropene | 2.0** | <0.146 | ND |
| Cis-1,4- dichloro-2- butene | NE | <0..500 | ND |
| Cyclohexane | 120000** | <0.492 | ND |
| Cyclohexanone | 120000** | <1.04 | ND |
| Dibromochloromethane | 11** | <0.223 | ND |
| Dibromomethane | NE | <0.165 | ND |
| Dichlorodifluoromethane | 4,900** | <0.429 | ND |
| Ethylbenzene | 700 | <0.200 | ND |
| Ethyl acetate | 22,000** | <0.300 | ND |
| Ethyl ether | 4900** | <0.135 | ND |
| Ethylene oxide | 0.89** | <9.20 | ND |
| Ethyl methacrylate | 2200** | <0.110 | ND |
| Hexane | 1500** | <2.00-2.26 | ND |
| Hexachlorobutadiene | 12** | <0.860 | ND |
| Iodomethane | 34** | <0.223 | ND |
| Isobutyl alcohol | 7300** | <3.39 | ND |
| Isooctane | NE | <0.500 | ND |
| Isopropylbenzene (Cumene) | 700 / 2400** | <0.200 | ND |
| Methacrylonitrile | 2.4** | <1.55 | ND |
| Methyl ethyl ketone (2-butanone) | 15,000** | <0.474 | ND |
| Methyl methacrylate | 34,000** | <0.196 | ND |
| Methylene chloride (Dichloromethane) | 5** | <2.00 | ND |
| Naphthalene | 490** | <0.200-0.504 | ND |
| n-Butylbenzene | 1200** | <0.200 | ND |
| n-Heptane | 1500** | <0.300-0.854 | ND |
| n-Propylbenzene | 980** | <0.106 | ND |
| Pentachloroethane | 10** | <0.302 | ND |
| Propionitrile | 9.8** | <2.69 | ND |
| sec-Butylbenzene | 980** | <0.300 | ND |
| Styrene | 100.0 | <0.200 | ND |
| tert-Butylbenzene | 980** | <0.200 | ND |
| Tert-butyl methyl ether (mtbe) | 240** | <0.200-0.991 | ND |
| Tetrachloroethene | 5.0 | <0.189-2.83 | ND |
| Toluene | 1,000 | <0.300 | ND |
| Trans-1, 2-dichloroethene | 100 | <0.200 | ND |
| Trans-1, 3-dichloropropene | 9.1** | <0.200 | ND |
| Trans-1,4- dicloro-2- butene | NE | <0.500 | ND |
| Trichloroethene | 5.0 | <0.189 | ND |
| Trichlorofluoromethane | 7,300** | <0.244 | ND |
| Vinyl Acetate | 24000** | <0.300 | ND |
| Vinyl chloride (Chloroethene) | 2.0 | <0.300 | ND |
| m-p-xylene | 10000** | <0.260-0.381 | ND |
| o-xylene | 10000** | <0.200 | ND |
| Xylenes, Total | 10000 | <0.226 | ND |

Data source: TCEQ, maximum contaminant levels, 30 TAC, Chapter 290, Subchapter F, 2008 and RG-346 Rev. 2008 (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 2010. (see: http://www.tnrcc.state.tx.us/permitting/trrp.htm).
1 = MCLG-Maximum contaminant level goal; MCL = Maximum contaminant level.
ND = Not detectable.
< = Detection limit, and not necessarily the concentration, of the compound in water.
**mg/** = Milligram per liter (often referred to as parts per million).
**µg/L** = Microgram per liter (often referred to as parts per billion).

(continued from page 44)

**Table 15. Secondary Drinking-Water Standards.**

| Parameter | Secondary Drinking-Water Standards (mg/L) |
|---|---|
| Aluminum | 0.05–0.2 |
| Chloride | 300 |
| Color | 15 color units |
| Copper | 1.0 |
| Corrosivity | Non-corrosive |
| Fluoride | 2.0 |
| Iron | 0.3 |
| Manganese | 0.05 |
| pH | >7.0 |
| Silver | 0.10 |
| Sulfate | 300 |
| Total dissolved solids TDS | 1000 |
| Zinc | 5 |

*Data source: 30 TAC Chapter 290, Subchapter F.*

*Color and corrosivity parameters were not included in the 2011 analytical program.*

The tables referenced earlier are updated regularly with revisions to MCL or PCL values for various compounds. As such, the reader is encouraged to check the referenced regulations for updates to MCL and PCL values.

## Routine Water Quality Data from Edwards Aquifer Wells

Groundwater samples for calendar year 2011 were analyzed by the EAA's contract laboratories—Test America and the San Antonio River Authority (SARA). Approximately 20 well samples per year are collected by the EAA for analyses by the TWDB contract laboratory for portions of the analyses. In 2011, the Lower Colorado River Authority (LCRA), pursuant to an analytical services contract with the TWDB, provided these analyses.

**Metals**—Of the 70 wells sampled for metals, laboratory analyses did not indicate the presence of any metals regulated under the primary drinking-water standards at concentrations exceeding their respective MCLs.

Detections above the secondary standard for iron were noted in Bexar and Uvalde counties and aluminum in Bexar County. Also, the metal vanadium, which does not have a primary or secondary standard, was detected slightly above the PCL cleanup standard for drinking water but below the standard for class III (industrial) groundwater. In past years, the class III standard of 170 µg/L has been listed in Table 14. Beginning in 2011, the class II drinking water standard of 1.7 µg/L is listed in the table. As such, the 20 wells analyzed for vanadium indicate concentrations above the 1.7 µg/L PCL standard; vanadium is not considered a health risk at the detected concentrations. Strontium was detected in Uvalde County above the PCL value of 15,000 µg/L. Metal detections above secondary or PCL standards are summarized next (see Figures 13b–d for map locations and Appendix C for detailed listings of all analytical results for the year).

Uvalde County

- Iron detected in
  YP-69-43-9SC at 347 µg/L
  (Secondary Standard = 300 µg/L)
- Strontium detected in
  YP-69-43-9SC at 39,700 µg/L
  (PCL Standard = 15,000 µg/L)
- Vanadium detected in
  YP-69-45-405 at 2.8 µg/L
  YP-69-50-207 at 5.2 µg/L
  YP-69-51-114 at 6.9 µg/L
  (PCL Standard for vanadium = 1.7 µg/L)

Medina County

- Vanadium detected in
  TD-68-33-502 at 2.8 µg/L
  TD-68-41-102 at 3.5 µg/L
  TD-68-41-303 at 3.5 µg/L
  TD-68-41-901 at 3.9 µg/L
  TD-68-42-506 at 3.9 µg/L
  TD-68-42-806 at 9.4 µg/L
  TD-68-49-201 at 3.7 µg/L
  TD-68-49-301 at 7.2 µg/L
  TD-69-47-303 at 3.5 µg/L
  TD-69-55-604 at 4.3 µg/L

Bexar County

- Iron detected in
  AY-68-28-608 at 423 µg/L
  AY-68-29-113 AT 326 µg/L
- Aluminum detected in
  AY-68-29-113 at 344 µg/L
  (Secondary standard for aluminum = 50–200 µg/L)

Comal County

- Vanadium detected in
  DX-68-22-805 at 3.2 µg/L
  DX-68-22-903 at 3.5 µg/L
  DX-68-23-203 at 3.4 µg/L
  DX-68-23-303 at 3.7 µg/L
  DX-68-23-504 at 3.4 µg/L
  DX-68-30-221 at 3.6 µg/L
  DX-68-30-225 at 3.5 µg/L

**Bacteria**—In 2011, 54 wells were sampled for the presence of bacteria. The EAA collects samples from wells upstream of any chlorination equipment in order to assess the presence or absence of bacteria in raw water samples from the aquifer. These sample results are not directly comparable to bacterial samples collected by most public water supply systems because public water supply samples are generally collected downstream of chlorination equipment. Wells were generally sampled for fecal streptococcus and fecal coliform or for E. coli bacteria presence as colony-forming units per 100 milliliters of water (CFU/100 mL). Bacteria samples, collected as part of routine sampling, ranged in concentration from less than one CFU/100 mL to three CFU/100 mL in 2011. Wells sampled under the routine sampling program with fecal streptococcus, fecal coliform, or E. coli detections at or above two CFU/100 mL are summarized by county below.

Bexar County

- Fecal streptococcus detected in
  AY-68-29-113 at 2 CFU/mL
  AY-68-29-217 at 3 CFU/mL

Hays County

- E. coli detected in
  LR-67-09-105 at 2 CFU/mL

Fecal coliform, fecal streptococcus, and E. coli bacteria are used to indicate the possible presence of fecal matter in ground- and surface water. There are no public water supply maximum contaminant limits (MCLs) for fecal streptococcus.

The MCL for coliform bacterial samples is based on the size of a public water supply distribution system and is for treated water at the point of use and not from the point of withdrawal. For example, the number of monthly samples collected increases with the number of connections or size of population served. A public water supply with 100,000 connections would be required to collect 100 samples per month. If more than five percent of the monthly samples are coliform positive, the MCL would be exceeded. For systems that collect fewer than 40 routine bacteria samples per month, the MCL is defined as occurring when more than one sample is coliform positive (Title 30 Texas Administrative Code, 290.109). Note that samples for public water supplies are collected downstream of the chlorination device and generally from public facilities near the ends of the distribution system.

Presence of fecal bacteria may indicate a problem with laboratory or sampling methods, poor wellhead or casing maintenance, or impact to groundwater from human or animal waste. Public water supplies are required by state law to be chlorinated. Domestic wells do not have a chlorination requirement. The EAA's bacteria samples are collected with great care to avoid post-collection contamination.

**Nitrates**— In 2011, 71 wells were sampled for the presence of nitrate-nitrite as nitrogen (*nitrate* for this report), which 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. Concentrations of nitrate below one mg/L are generally 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), septic systems, leaking sewer lines, and animal waste. 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.

Of the 71 wells sampled for nitrate, none exceeded the MCL of ten mg/L. Two wells indicated concentrations above five mg/L, but less than ten mg/L. Results from a total of 33 wells indicated nitrate concentrations at or above two mg/L but less than five mg/L. The EAA 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 5.19 mg/L

and

Comal County

- DX-68-30-221 at 5.14 mg/L.

**VOCs**— In 2011, water samples collected from 69 wells were analyzed for VOCs. A total of 83 VOC analyses were performed from these wells. Sixteen wells tested positive a total of 27 times for nine different VOC analytes. None of the compounds exceed their respective regulatory limits (statement applies to compounds for which a regulatory limit is established). The detections are summarized by county below.

Uvalde County

- YP-69-51-114, tetrachloroethene, detected at 2.83 µg/L (MCL = 5.0 µg/L)
- YP-69-43-9SC, carbon disulfide, detected at 0.573 J µg/L (PCL = 2,400 µg/L)
- YP-69-43-9SC, naphthalene, detected at 0.504 J µg/L (PCL = 490 µg/L)
- YP-69-45-405, carbon disulfide, detected at 1.82 J µg/L

Medina County

- TD-68-42-506, hexane, detected at 2.26 J µg/L (PCL = 1,500 µg/L)
- TD-68-42-506, m,p-xylene, detected at 0.381 J µg/L (PCL = 10,000 µg/L)
- TD-68-42-506, m,p-xylene, detected at 0.275 J µg/L
- TD-68-42-506, n-heptane, detected at 0.854 J µg/L (PCL = 1,500 µg/L)

Bexar County

- AY-68-27-303-1, chloroform, detected at 0.339 and 0.403 J µg/L (PCL = 240 µg/L)
- AY-68-27-303-2, chloroform, detected at 0.293, 0.399 and 0.51 J µg/L
- AY-68-27-610, chloroform, detected at 0.527 J µg/L
- AY-68-28-113, carbon disulfide, detected at 0.347 J µg/L
- AY-68-28-313, chloroform, detected at 1.86, 1.8,and 1.57 µg/L
- AY-68-29-113, methyl tert-butyl ether, detected at 0.991 J µg/L (PCL = 240 µg/L)
- AY-68-29-418, chloroform, detected at 0.246 and 0.411 J µg/L
- AY-68-29-418, tetrachloroethene (PCE), detected at 1.68 and 2.02 µg/L
- AY-68-29-419, tetrachloroethene (PCE), detected at 0.284 J µg/L

Hays County

- LR-67-01-810, carbon disulfide, detected at 0.604 µg/L
- LR-67-09-101-4, chloromethane, detected at 0.682 and 0.873 µg/L (PCL = 70 µg/L)

*Note: J = detection is above the method detection limit, but below the reporting limit.*

The detected compounds can be problematic with regard to resolution of their actual source. For example, chloroform is a common byproduct associated with chlorination of water; however, the samples herein are not collected from a chlorinated source. The USGS indicates that many potential sources for chloroform in groundwater exist and include septic effluent, leaking sewer lines, and irrigation using chlorinated water (Ivahnenko and Zogorski, 2006). These detections may also be associated with collecting samples influenced by a nearby well that had recently been "shocked" with chlorine by the well owner.

Chloromethane is a common solvent that adheres well to particulates in groundwater, such as silt and clay particles. The well with positive chloromethane detections commonly has high particulates in it during recharge events. Hexane, xylene, and heptane are constituents found in gasoline and other engine fuels. The well with positive detections of these compounds was resampled approximately 60 days later for confirmation of the detections. However, results from the resampling indicated nondetect for the same compounds. As such, these detections may have been false positives, or the contaminant may have been transient in the system. The well that tested positive for methyl tert-butyl ether (MTBE) was located near a known fuel spill. The compound MTBE is a fuel additive, with the potential to be persistent in groundwater.

The tetrachloroethene detection in Uvalde County is from an area historically known to contain this compound. The tetrachloroethene detections in Bexar County noted earlier are new detections that have been confirmed by follow-up sampling at well AY-68-29-418. Additional sampling near these Bexar County tetrachloroethene detections is planned in calendar year 2012.

The compound carbon disulfide was detected in Bexar and Hays counties and can be a problematic compound. It has been known to be a post-collection artifact, indicating a false-positive detection. However, it is also used in various manufacturing processes and as an ingredient in rubber and pesticides.

**SVOCs**—In 2011, eight wells were sampled for SVOCs, 22 samples being collected over the year for these wells. One SVOC compound, naphthalene, which can also be detected as a VOC compound, was detected in Uvalde County in well YP-69-35-602. Naphthalene was detected at 0.0358 J µg/L far below the PCL limit of 490 µg/L.

**Pesticides, Herbicides, and PCBs**—Water samples collected from 48 wells were analyzed for pesticides, herbicides, and PCBs in 2011. Two wells tested positive for one herbicide compound, and whereas five wells tested positive for pesticide compounds, no PCB compounds were detected. None of the compounds exceed their respective regulatory limit. The detections are summarized by county below.

Uvalde County

- YP-69-50-207, 2,4-D, detected at 0.0738 J µg/L (MCL = 70.0 µg/L)
- YP-69-50-207, heptachlor, detected at 0.00219 J µg/L (MCL = 0.4 µg/L)
- YP-69-51-114, 2,4-D, detected at 0.0927 J µg/L
- YP-69-45-405, gamma-bhc, detected at 0.00116 J µg/L (MCL = 0.2 µg/L)

Comal County

- DX-68-23-203, gamma-bhc, detected at 0.00156 J µg/L
- DX-68-23-303, gamma-bhc, detected at 0.00161 J µg/L
- DX-68-30-221, gamma-bhc, detected at 0.00139 J µg/L

*Note: J = detection is above the method detection limit, but below the reporting limit.*

The compound 2,4-D is a common herbicide, used extensively in the United States. The EPA estimates that approximately 46 million pounds per year is used in the United States alone. The detections of 2,4-D noted here are both in Uvalde County, where the potential for agricultural use of 2,4-D exists. The compound gamma-bhc (Lindane) is a pesticide that has not been used agriculturally since 2007 in the United States; however, it is still used as a pharmaceutical for lice treatment, in limited cases. Three of the detections were in Comal County. Two of the wells were resampled for gamma-bhc approximately two months after the initial sample

date. Both wells were nondetect for gamma-bhc upon resampling. Because of the extremely limited use of this compound, combined with the inability to reproduce the detection upon resampling, the detection may be a false positive. However, this assessment is not definitive because the compounds could potentially move through the system quickly, resulting in a nondetect upon resampling of the wells. The compound heptachlor, also a pesticide detected in Uvalde County, has not been in widespread use since the late 1980s. However, it remains authorized for use as a fire-ant-control pesticide in underground transformers.

**Pharmaceutical and Personal Care Products**—Water samples collected from five wells were analyzed for pharmaceutical and personal care products (PPCPs) in 2011. Four wells tested positive for PPCP compounds, with detections in the nanogram per liter (ng/L) range. Note that *nanograms per liter* are equivalent to *parts per trillion*. Currently detected PPCP compounds do not have a regulatory limit and are summarized by county below.

Bexar County

- AY-68-28-211

  17a-estradiol—(synthetic estrogen hormone) detected at 1.2 J ng/L

  Equilenin—(estrogen hormone, derived from female horses) detected at 3.8 J ng/L

  Estrone—(estrogen hormone) detected at 6.9 J ng/L

  Triclocarban—(ingredient in antibacterial soaps) detected at 2.9 J ng/L

  Tylosin—(veterinary use antibiotic) detected at 2.3 J ng/L

- AY-68-28-608

  Cotinine—(nicotine metabolite) detected at 1.7 J ng/L

  Lincomycin—(antibiotic), detected at 0.51 J ng/L

- AY-68-29-112

  Lincomycin—(antibiotic) detected at 0.42 J ng/L

- AY-68-29-113

  Lincomycin—(antibiotic) detected at 0.31 J ng/L

*Note: J = detection is above the method detection limit, but below the reporting limit.*

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, periodic sample-collection events occurring every several months may not coincide with the flux of a contaminant at the sample point Therefore, whether the sample result reflects the low, middle, or high end of the contaminant flux is impossible to ascertain. Water tracing compounds injected into the aquifer as part of the EAA's research program are good surrogates for the behavior of contaminants in groundwater. Most tracers exhibit transient detections at specific monitoring locations in the aquifer and help explain why a contaminant may be detected once but may not be detected during subsequent sampling several weeks or months later.

In summary, water samples from the Edwards Aquifer indicate the presence of anthropogenic compounds, generally in limited areas and at concentrations below the MCL. The presence of multiple anthropogenic compounds at various well-sample locations indicates the sensitivity of the aquifer to the introduction of contaminants.

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

Water quality data from streams are generally collected within the drainage area of the aquifer (see Figure 13a) at USGS gauging stations located upstream of the Edwards Aquifer Recharge Zone. The primary 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 (historically), 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 2011, surface or stream water samples were collected from each of these eight historically sampled rivers and creeks. In addition, Las Moras Creek in Kinney County was sampled once. Data from these sites can be used as a baseline to evaluate the quality of water recharging the aquifer and provide a measure of the potential fluctuations in water quality due to land use changes in 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. In 2011, multiple spring orifices were sampled at Comal, Hueco, and San Marcos springs, and single spring orifices were sampled at San Antonio and San Pedro springs. Major springs were sampled quarterly or more frequently. Single sample-collection events were conducted at Las Moras (Fort Clark) springs in Kinney County for a total of six spring sample locations in 2011. The aggregate number of samples (due to multiple sampling events) collected at all springs was 79 across the region.

**Summary of Analytical Results**—Water samples from the stream locations and 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 and spring water are common at trace amounts. Samples from streams and springs were also analyzed for nitrates, pesticides, herbicides, and PCBs. Additional analyses for VOCs, SVOCs, and PPCPs were performed at spring locations. One surface stream was analyzed for VOCs in 2011.

**Metals**—Of the ten surface water sites and six spring sites sampled for metals, two metals were detected at concentrations in excess of an MCL value. These detections are summarized below. (See Figures 13b–e for map locations and Appendix C for detailed listings of all analytical results for the year.)

Comal County

- Arsenic detected in

  Comal Springs #3 at 9.16 µg/L (MCL = 10.0 µg/L)

  Comal Springs #7 at 7.76 µg/L

  Comal Springs #1 at 15.0 µg/L

Hays County

- Antimony detected in

  Blanco River at Wimberley at 13.8 µg/L, (MCL = 6.0 µg/L)

Occasional arsenic detections have been noted historically in springs and surface water samples. For current detections, results are for samples collected on the same day (March 2, 2011) at three different locations within Comal Springs. Subsequent samples did not indicate arsenic at Comal Springs above the MCL. Four additional low-level arsenic detections were noted for the year, and 29 samples were below the detection limit for arsenic.

**Nitrates**—Laboratory analyses indicated a limited range of nitrate-nitrite as nitrogen in surface water and a fairly wide range in spring water samples in 2011. Of the 15 total surface water samples collected and analyzed for nitrate-nitrite as nitrogen, concentrations ranged from less than 0.5 to 1.08 mg/L. Of the 78 spring water samples collected and analyzed for nitrate-nitrite as nitrogen, concentrations ranged from less than 0.842 to 5.5 mg/L. None of the nitrate concentrations detected exceeds the MCL of ten mg/L (nitrate as nitrogen) for drinking water. The highest nitrate concentration in surface water for 2011 was 1.08 mg/L from Hondo Creek near Tarpley in Medina County. The maximum nitrate concentration of 5.5 mg/L in spring water was located at San Marcos Springs in Hays County.

**Bacteria**—In 2011, most surface stream and spring water samples were tested for bacteria. It is not unusual for surface water and spring samples to have positive detections of bacteria, especially in wet years (for example, in 2007 counts ranged up to “too numerous to

count" during periods of heavy runoff). Bacteria results for surface streams in 2011 ranged from 32 CFU/100 mL through 620 CFU/100 mL for fecal coliform, and from 60 CFU/100 mL through 2,700 CFU/100 mL for fecal streptococcus and 6 CFU/100 mL through 130 CFU/100 mL for E. coli. Spring water samples for bacteria ranged from less than one through 13 CFU/100 mL for fecal coliform, and from less than one through 680 CFU/100 mL for fecal streptococcus and less than one CFU/100 mL through three CFU/100 mL for E. coli. Because of the presence of various fauna in surface and spring water collection sites, positive detections are not uncommon.

**VOCs**—In 2011, water samples collected from one surface water site and all six spring groups were analyzed for VOCs. No VOC detections were noted in surface streams. A total of 78 VOC analyses were performed on spring samples. Three spring groups tested positive four times for two different VOC analytes. None of the compounds exceeds their respective regulatory limits. The detections are summarized by spring group below.

Springs VOCs

- San Antonio, acetone, detected at 5.4 J µg/L (PCL = 22,000 µg/L)
- Comal #1, acetone, detected at 5.87 J µg/L
- Comal #3, chloromethane, detected at 0.446 J µg/L (PCL = 70 µg/L)
- San Marcos, (LR-67-01-801, chloromethane, detected at 0.944 J µg/L

*Note: J = detection is above the method detection limit, but below the reporting limit.*

**SVOCs, Herbicides, Pesticides, and PCBs**— Widespread detections of organic compounds in surface and spring water are generally not common in the Edwards Aquifer region. However, the EAA analyzes samples for these compounds because their detection can indicate the presence of chemicals originating from anthropogenic sources and they are useful in evaluation of water quality. Streams sampled in 2011 did not test positive for any SVOC, herbicide, pesticide, or PCB compounds. However, several detections of SVOCs and pesticides were noted for spring samples.

Regarding pesticide results for Comal Springs #1 (DX-68-23-301) for sample date January 10, 2011, detections are highly suspect in that 16 of 51 detectable compounds for this particular analysis were noted from one sample. In addition, many of the detected compounds have been banned from use in the United States for several years and are not commonly detected in other samples. Although the analyses are listed in the summary below, EAA staff thinks these results reflect false-positive detections due to factors previously discussed, as well as consultations with laboratory personnel.

During 2011 sampling, one PCB compound was detected in spring samples. The PCB compound aroclor 1254 was detected at 8.4 µg/L, well above the MCL of 0.5 µg/L. No additional PCB compounds were detected during the year.

The most common anthropogenic detection in spring samples for the year was bis(2-ethylhexyl)phthalate. Some of the sample-collection equipment (specific to spring sampling) utilizes plastic tubing that contains bis(2-ethylhexyl)phthalate. Given the equipment blank samples, these detections are a likely result of cross-contamination of the sample during collection. Bis(2-ethylhexyl)phthalate detections were noted in Comal Springs #1 (DX-68-23-301), #3, and #7, as well as Hueco Springs A (DX-68-15-901) and B and San Antonio and San Pedro springs. Detections of compounds other than bis(2-ethylhexyl)phthalate are summarized by spring group below.

Springs SVOCs

- San Pedro, diethyl phthalate, detected at 0.838 J µg/L (PCL = 2 µg/L)
- Hueco B, diethyl phthalate, detected at 0.564 J µg/L
- San Marcos (LR-67-01-819), diethyl phthalate, detected at 0.564 J µg/L
- San Marcos (LR-67-01-819), diethyl phthalate, detected at 0.704 J µg/L

*Note: J = detection is above the method detection limit, but below the reporting limit.*

## Springs Pesticide and PCB Compounds

September 6, 2011, sample date

- Hueco A (DX-68-15-901), monocrotophos, detected at 6.65 J µg/L (PCL = 15 µg/L)

January 10, 2011, sample date—results have high probability of false-positive detection:

- Comal #1, 4,4'-DDD, detected at 0.00854 J µg/L (PCL = 3.8 µg/L)
- Comal #1, 4,4'-DDE, detected at 0.00511 J µg/L (PCL = 2.7 µg/L)
- Comal #1, 4,4'-DDT, detected at 0.00796 J µg/L (PCL = 2.7µg/L)
- Comal #1, aldrin, detected at 0.00404 µg/L J (PCL = 0.05 µg/L)
- Comal #1, alpha-chlordane, detected at 0.00726 J µg/L (PCL = 2.6 µg/L)
- Comal #1, beta-BHC, detected at 0.0132 J µg/L (PCL = 0.5 µg/L)
- Comal #1, delta-BHC, detected at 0.00377 J µg/L (PCL = 0.5 µg/L)
- Comal #1, endosulfan II, detected at 0.0083 J µg/L (PCL = 150 µg/L)
- Comal #1, endosulfan sulfate, detected at 0.00953 J µg/L (PCL = 150 µg/L)
- Comal #1, endrin, detected at 0.00712 J µg/L (PCL = 2.0 µg/L)
- Comal #1, endrin aldehyde, detected at 0.0125 J µg/L (PCL = 7.0 µg/L)
- Comal #1, endrin keytone, detected at 0.00784 J µg/L (PCL = 7.0 µg/L)
- Comal #1, gamma-BHC, detected at 0.00348 J µg/L (MCL = 0.2 µg/L)
- Comal #1, gamma chlordane, detected at 0.0157 J µg/L (PCL = 3.0 µg/L)
- Comal #1, heptachlor expoxide, detected at 0.00659 J µg/L (MCL =µg/L)

June 7, 2011, sample date

- Comal #1, delta-BHC, detected at 0.00443 J µg/L (PCL = 0.5 µg/L)

May 4, 2011, sample date

- Comal #7, aroclor 1254, (PCB), detected at 8.4 µg/L (MCL = 0.5 µg/L)

June 6, 2011, sample date

- San Marcos (LR-67-01-819),

  delta-BHC, detected at 0.00488 J µg/L (PCL = 0.5 µg/L)

  gamma-BHC, detected at 0.0028 J µg/L (PCL = 0.2 µg/L)

  mononcrotophos, detected at 6.12 J µg/L (PCL = 15 µg/L)

June 6, 2011, sample date

- San Marcos (LR-67-01-801),

  gamma-BHC, detected at 0.00226 J µg/L (PCL = 0.2 µg/L)

  heptachlor, detected at 0.00232 J µg/L (MCL = 0.4 µg/L)

*Note: J = detection is above the method detection limit, but below the reporting limit.*

**Pharmaceutical and Personal Care Products**—Water samples collected from one spring, Comal Spring #1 (DX-68-23-301), was analyzed for PPCPs in 2011. The sample tested positive for four PPCP compounds. Note that these detections are in the nanogram per liter (ng/L) range. Currently detected PPCP compounds do not have a regulatory limit and are summarized by county below.

- Comal Springs #1 (DX-68-23-301)

  17a-estradiol—(synthetic estrogen hormone) detected at 4.3 J ng/L

  17b-estradiol—(synthetic estrogen hormone) detected at 7.0 J ng/L

  Equilenin—(estrogen hormone) detected at 0.72 J ng/L

  Estrone—(estrogen hormone) detected at 5.8 J ng/L

*Note: J = detection is above the method detection limit, but below the reporting limit.*

Detection of any anthropogenic compounds in streams and springs are always a concern. However, some detected compounds are designated as false positives, as discussed earlier. Other detected compounds, which have a high probability of being false-positive detections, are acetone and diethyl phthalate. Their being possible false-positive detections is due to their common use in either the laboratory as solvents (acetone) or, in the case

of the phthalate compounds, their widespread presence in equipment frequently used for spring sample collection (vinyl tubing in peristaltic pumps).

However, detections of mononcrotophos, heptachlor, and chloromethane are of particular interest. Mononcrotophos, an insecticide historically used on cotton, potatoes, peanuts, and other crops, has not been in use in the United States for many years, although it is still being used in other countries. Heptachlor is a restricted-use insecticide, currently approved only for use as fire-ant control in underground transformers. Chloromethane is a relatively common detection in many places within the region as a potential indicator of septic system releases, but which could also emanate from several other sources. The EAA will continue monitoring water quality to ascertain changes or trends in relation to the presence of anthropogenic or other compounds in ground, surface, and spring waters across the region.

## Freshwater/Saline-Water Interface Studies

The regional boundary between fresh and saline parts of the Edwards Aquifer is defined by the iso-concentration line representing 1,000 mg/L of TDS. Groundwater is commonly classified according to TDS concentrations, as shown in Table 16.

The interface varies both laterally and vertically in the aquifer, as determined from several wells near the boundary. Locally this line is referred to as the freshwater/saline-water interface, or *bad-water 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. However, water quality data collected during and since the drought of record in the 1950s do not indicate any significant movement of the interface during the range of observed aquifer conditions.

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). A few wells along the interface have encountered the opposite vertical distribution, with saline-water zones overlying freshwater zones, particularly in southern Medina County.

**Table 16. Classification of Groundwater Quality on the Basis of 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.*

In 1985 the USGS, in cooperation with the Edwards Underground Water District (EUWD), TWDB, and the City Water Board—now San Antonio Water Systems (SAWS)—initiated a research study of the freshwater/saline-water interface. A series of seven wells were drilled in the area of the Freeman Coliseum in San Antonio, 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.

Additional water quality monitor well transects across the freshwater/saline-water interface were installed by the EUWD between 1989 and 1993.

SAWS, working with the USGS, TWDB, and the EAA, continued to install transects of freshwater/saline-water interface monitoring wells. To date, the following transects of monitoring wells have been installed:

- Artesia Pump Station (San Antonio) Transect (installed in 1986)
- New Braunfels (Comal Springs area) Transect (installed in 1989)
- San Marcos (San Marcos Springs area) Transect (installed in 1991)
- South Medina Well (installed in 1993)
- 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 (installed in 2005).

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

# Significant Events Affecting the Edwards Aquifer in Calendar Year 2011

In calendar year 2011, the most significant event affecting the aquifer was severe drought. The drought functionally began in the last quarter of 2010, with only 1.06 inch of rainfall recorded at the San Antonio International Airport in the last three months of the year. The 30-year average for these three months (as published by NOAA) is 8.3 inches. According to the state climatologist, the period October 2011 through September 2011 registered only 11 inches of rainfall statewide, making it the driest 12-month period on record. The average for this period is 27 inches of rainfall (Nielsen-Gammon, 2011). The drought was further exacerbated by above-average temperatures statewide. Average temperatures statewide during the period June–August 2011 were approximately 2.5°F warmer than any other summer on record (Nielsen-Gammon, 2011). The San Antonio area had recorded 50 days at or above 100°F by the end of August 2011 (NOAA, 2011). The lack of rainfall, combined with extreme heat, impacted aquifer and lake levels across the state.

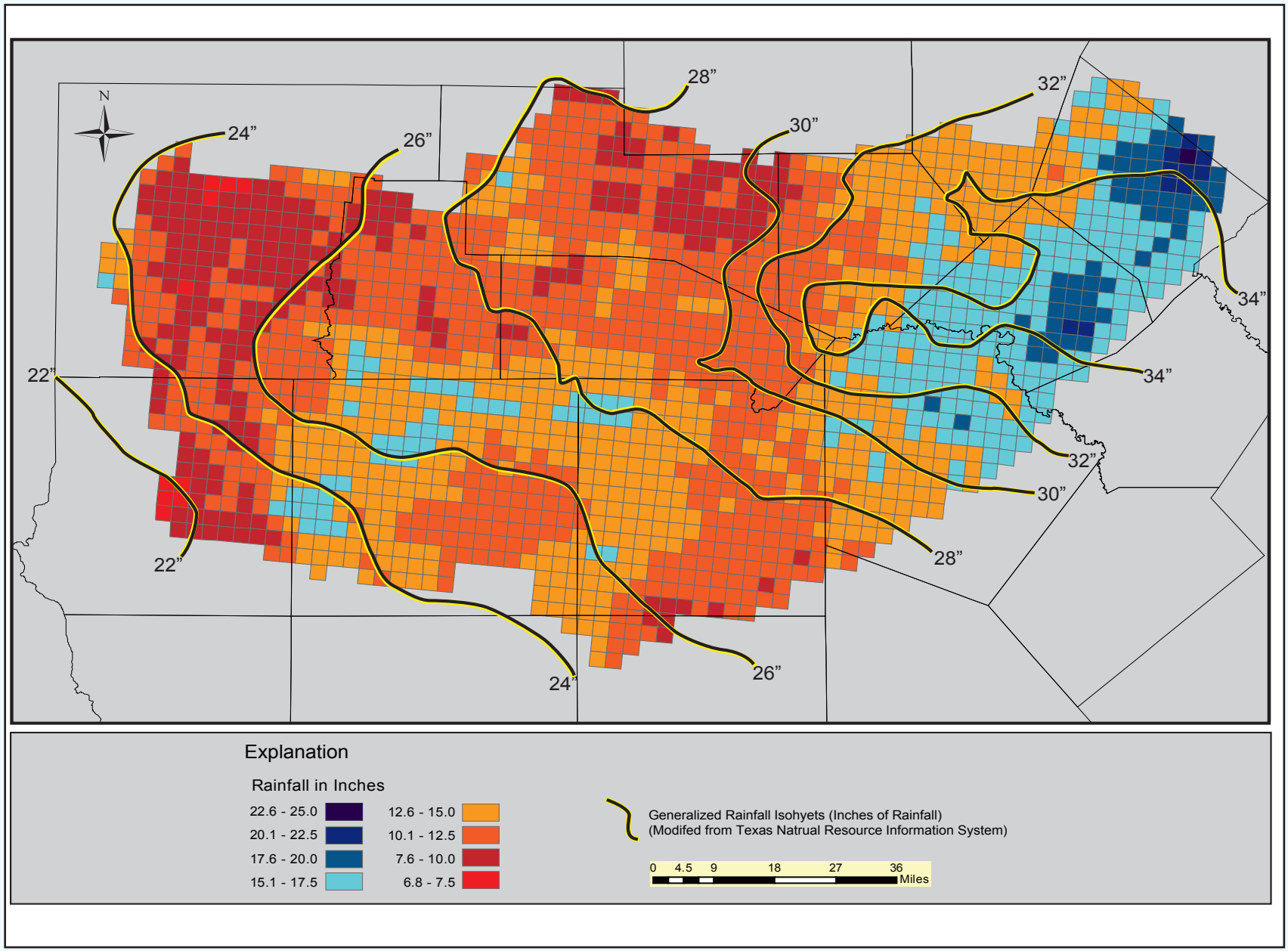
Rainfall for 2011 was below normal across the entire Edwards Aquifer region. As discussed in the precipitation section of this report, rainfall amounts west of Bexar County were generally the lowest in the region. Figure 14 shows the "normal" or average rainfall amounts for the period 1961–1990 (30-year average) as a series of isohyets. Each line (isohyets) represents the 30-year average rainfall amount for the area it passes through. The isohyets are superimposed on the NEXRAD radar rainfall summary map for 2011, thus summarizing the lack of rainfall for the region.

Aquifer levels as recorded at Bexar County index well J-17 started the year only slightly above the historical mean value and had dropped below the historical mean by early March. Water levels stayed below the historical average the remainder of the year, reaching an annual low of 639.86 in June. Recharge values were below normal also, with several basins registering as much as an order of magnitude lower than their respective historical average values and historical median values. For example, combined recharge in four of the westernmost river basins (see Figure 6) was only about 10 percent of their combined median value for the period of record. In a normal year, these four basins combined should receive about 332,500 acre-feet; however, in 2011 a total of only 32,000 acre-feet of recharge was estimated for these basins. Figure 15 provides a comparison of 2011 recharge estimates, with the period of record mean and median recharge values for the eight basins across the region for which recharge is estimated.

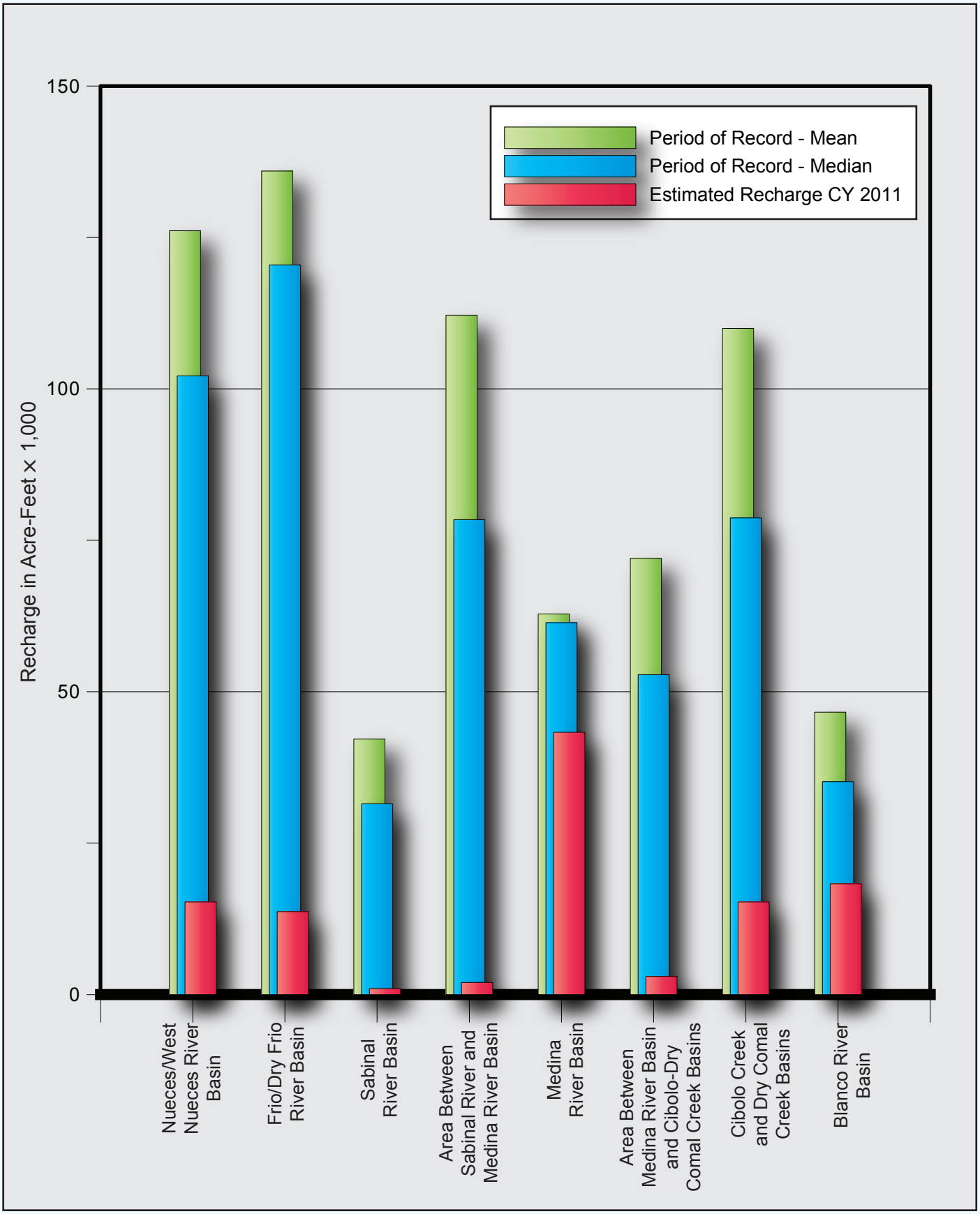
The severity of the drought is well portrayed in the drought-monitor maps issued by the National Drought Mitigation Center at the University of Nebraska-Lincoln. These maps represent the progression of the drought through the year (Figure 16).

The U.S. Drought Monitor Index (Figure 16) indicates that 2011 began with the Edwards Aquifer region in a D2—severe drought state. As the year progressed, the drought continued to strengthen until the end of September. Most of the region was in D4—exceptional drought—from late May through most of November. Even with some rainfall in the last quarter of the year, the Edwards Aquifer region remained in D3—extreme drought—at the end of 2011.

## Figure 14. 2011 NEXRAD Rainfall Summary Compared with State Average Isohyets (1961–1990)



## Figure 15. 2011 Recharge Compared with Period of Record Mean and Median Recharge



## Figure 16. U.S. Drought-Monitor Maps Showing Increasing Drought Severity in 2011

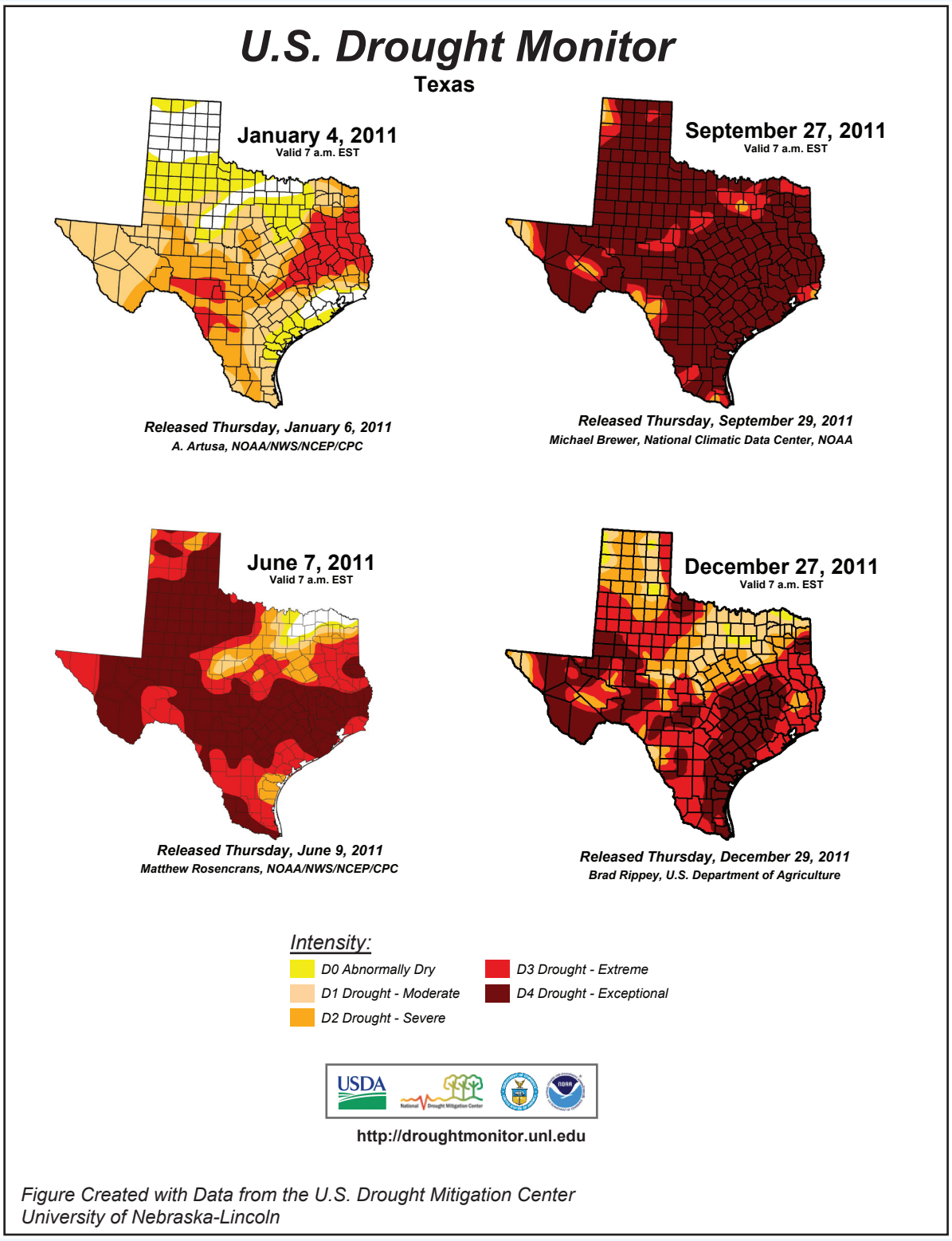



*Figure Created with Data from the U.S. Drought Mitigation Center*
*University of Nebraska-Lincoln*

# DEFINITIONS

Technical terms and abbreviations used in this report are defined below.

| | |
|---|---|
| **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 sufficient 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 in shape, 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 TDS 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. |
| **domestic or livestock use** | Use of water for drinking, washing, or culinary purposes; or irrigation of a family garden or orchard, the produce of which is for household consumption only or watering animals. |
| **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.

**drinking water**

All water distributed by any agency or individual, public or private, for the purpose of human consumption or that may be used in the preparation of foods or beverages or for the cleaning of any utensil or article used in the course of preparation or consumption of food or beverages for human beings. The term *drinking water* shall also include all water supplied for human consumption or used by any institution catering to the public.

**Edwards Underground Water District (EUWD)**

Regional governmental entity that preceded the Edwards Aquifer Authority.

**Edwards AquiferAuthority (EAA or Authority)**

Regional governmental entity established by the Texas Legislature in 1993 to "manage, enhance, and protect the Edwards Aquifer system."

**freshwater/saline-water interface**

Interface or boundary that separates 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 mean = $X_1 + X_2 + X_3 + \cdots + X_n / n$.

**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 a batch of samples to determine the presence or absence of target constituents or interferents. The blank is used to assess possible background contamination from the analytical process. This blank is also referred to as a *laboratory blank*.

**method detection limit**

The minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte. The method detection limit (MDL) is estimated in accordance with 40 CFR 136, Appendix B

**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 1 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.

**public water system** — A system for the provision to the public of water for human consumption through pipes or other constructed conveyances, which includes all uses described under the definition for drinking water.

**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 (SVOCs)** — 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 (µS/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 part of an aquifer, with 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 (VOCs)** | 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. 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 the 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*. |

# ACKNOWLEDGMENTS

The EAA extends its appreciation to municipalities, agencies (federal, state, and local), and other well owners who participated in this data compilation by granting access to their wells, land, and records. The EAA also extends its gratitude to the United States Geological Survey, Water Resources Division, San Antonio Subdistrict, for its work in compiling and calculating recharge and springflow discharge from the Edwards Aquifer.

# REFERENCES

Green, R.T., Bertetti, F.P., Franklin, N.M., Morris, A.P., Ferrill, D.A., and Klar, R.V., 2006, Evaluation of the Edwards Aquifer in Kinney and Uvalde Counties, Texas: Geosciences and Engineering Division, Southwest Research Institute, San Antonio, Texas, 53 p.

Groschen, G.E., 1993, Estimation of recharge by the U.S. Geological Survey, from Texas sections joint spring meeting and Texas hydrology roundup, Austin, Texas, (USA), April 16, 1993, in Jennings, M.E., ed., Proceedings: Texas Sections Joint Spring Meeting and Texas Hydrology Roundup: American Institute of Hydrology, 4 p.

Ivahnenko, T., and Zogorski, J.S., 2006, Sources and Occurrence of Chloroform and Other Trihalomethanes in Drinking-Water Supply Wells in the United States, 1986-2001, U.S. Geological Survey Scientific Investigations Report 2006-5015, 11 p.

Nielsen-Gammon, J. W., 2011, The 2011 Texas Drought: A Briefing Packet for the Texas Legislature, October 31, 2011, 43 p.

Pavilicek, D.J., Small, T.A., and Rettmann, P.L., 1987, Hydrogeologic Data from a Study of the Freshwater Zone/Saline-Water Zone Interface in the Edwards Aquifer, San Antonio Region, Texas: U.S. Geological Survey Open-File Report 87-389, 108 p.

Poteet, D., Collier, H., and Maclay, RW., 1992, Investigation of the Fresh/Saline-Water Interface in the Edwards Aquifer in New Braunfels and San Marcos, Texas: San Antonio, Texas, Edwards Underground Water District Report 92-02, 182 p.

Reeves, R.D., 1971, Results of test drilling at the San Marcos Fish Hatchery, Texas: U.S. Geological Survey Open-File Report. 11 p.

U.S. Department of Commerce, 2012, Climatological Data Monthly Summaries: National Oceanic and Atmospheric Administration (NOAA), http://www.srh.noaa.gov/ewx/html/Climate.htm

William F. Guyton Associates, Inc., 1992. Memorandum Report on Compilation and Analysis of Well and Census Data for the Edwards Aquifer, San Antonio Area, Texas, 9 p.

Winslow, A.G., and Kister, L.R., 1956, Saline-Water Resources of Texas: U.S. Geological Survey Water-Supply Paper 1365, 105 p.

Woodley Weather Consultants, 2002, Assessment of the Effect of Cloud Seeding in the Edwards Aquifer Target during the 1999, 2000, and 2001 Seasons, 176 p.

## Internet Resources:

MCL Information and Tables: http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=290&sch=F&rl=Y

TRRP Rules and PCL Tables: http://www.tceq.state.tx.us/assets/public/remediation/trrp/trrptbls1_5_042308.xls

Population and Census Data: http://quickfacts.census.gov/qfd/

# APPENDIX A

## Year 2011 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), 2011.**

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 864.30 | 863.92 | 862.45 | 860.44 | 856.68 | 853.81 | 849.27 | 848.17 | 847.83 | 847.52 | 847.88 | 847.92 |
| 2 | 864.28 | 863.86 | 862.42 | 860.32 | 856.56 | 853.63 | 849.22 | 848.10 | 847.78 | 847.52 | 847.87 | 847.90 |
| 3 | 864.26 | 863.79 | 862.38 | 860.19 | 856.47 | 853.44 | 849.17 | 848.07 | 847.82 | 847.47 | 847.80 | 847.93 |
| 4 | 864.21 | 863.76 | 862.35 | 860.05 | 856.34 | 853.27 | 849.15 | 848.00 | 847.85 | 847.41 | 847.80 | 847.94 |
| 5 | 864.21 | 863.70 | 862.29 | 859.92 | 856.18 | 853.08 | 849.04 | 848.00 | 847.83 | 847.43 | 847.84 | 847.93 |
| 6 | 864.21 | 863.69 | 862.26 | 859.78 | 856.04 | 852.85 | 848.96 | 848.07 | 847.75 | 847.39 | 847.82 | 847.92 |
| 7 | 864.20 | 863.67 | 862.21 | 859.64 | 855.95 | 852.62 | 848.84 | 848.13 | 847.77 | 847.38 | 847.79 | 847.90 |
| 8 | 864.21 | 863.70 | 862.11 | 859.55 | 855.94 | 852.36 | 848.67 | 848.13 | 847.71 | 847.44 | 847.76 | 847.89 |
| 9 | 864.23 | 863.70 | 862.08 | 859.49 | 855.92 | 852.12 | 848.53 | 848.09 | 847.69 | 847.59 | 847.74 | 847.88 |
| 10 | 864.23 | 863.64 | 862.01 | 859.40 | 855.87 | 851.90 | 848.37 | 848.13 | 847.68 | 847.63 | 847.67 | 847.89 |
| 11 | 864.20 | 863.61 | 861.92 | 859.28 | 855.84 | 851.73 | 848.28 | 848.13 | 847.62 | 847.72 | 847.67 | 847.90 |
| 12 | 864.16 | 863.58 | 861.80 | 859.15 | 855.91 | 851.55 | 848.26 | 848.07 | 847.66 | 847.78 | 847.72 | 847.94 |
| 13 | 864.17 | 863.52 | 861.72 | 859.03 | 855.95 | 851.32 | 848.28 | 848.13 | 847.60 | 847.82 | 847.71 | 847.95 |
| 14 | 864.18 | 863.48 | 861.66 | 858.91 | 855.97 | 851.11 | 848.23 | 848.14 | 847.58 | 847.88 | 847.70 | 847.94 |
| 15 | 864.20 | 863.43 | 861.59 | 858.78 | 855.99 | 850.90 | 848.14 | 848.14 | 847.55 | 847.93 | 847.78 | 847.95 |
| 16 | 864.23 | 863.32 | 861.51 | 858.68 | 855.99 | 850.72 | 848.10 | 848.12 | 847.57 | 847.94 | 847.81 | 847.94 |
| 17 | 864.24 | 863.21 | 861.45 | 858.57 | 856.01 | 850.50 | 848.01 | 848.10 | 847.61 | 847.97 | 847.80 | 847.92 |
| 18 | 864.25 | 863.13 | 861.36 | 858.42 | 855.99 | 850.27 | 847.97 | 848.07 | 847.64 | 847.96 | 847.85 | 847.88 |
| 19 | 864.25 | 863.09 | 861.30 | 858.27 | 855.92 | 850.09 | 847.90 | 848.04 | 847.64 | 847.99 | 847.88 | 847.91 |
| 20 | 864.27 | 863.04 | 861.28 | 858.12 | 855.87 | 849.96 | 847.90 | 848.10 | 847.62 | 848.01 | 847.89 | 847.94 |
| 21 | 864.25 | 862.97 | 861.24 | 857.99 | 855.73 | 849.83 | 847.88 | 848.09 | 847.61 | 848.02 | 847.89 | 847.93 |
| 22 | 864.25 | 862.92 | 861.18 | 857.89 | 855.61 | 849.76 | 847.85 | 848.10 | 847.60 | 848.05 | 847.88 | 847.98 |
| 23 | 864.28 | 862.85 | 861.12 | 857.72 | 855.47 | 849.85 | 847.99 | 848.07 | 847.55 | 848.07 | 847.87 | 847.95 |
| 24 | 864.26 | 862.79 | 861.04 | 857.61 | 855.33 | 849.89 | 848.06 | 848.04 | 847.57 | 848.03 | 847.89 | 847.96 |
| 25 | 864.23 | 862.73 | 861.00 | 857.54 | 855.17 | 849.92 | 848.13 | 847.92 | 847.57 | 847.99 | 847.90 | 847.96 |
| 26 | 864.20 | 862.65 | 860.97 | 857.43 | 854.98 | 849.92 | 848.16 | 847.90 | 847.56 | 848.00 | 847.95 | 847.97 |
| 27 | 864.15 | 862.57 | 860.86 | 857.27 | 854.77 | 849.89 | 848.18 | 847.93 | 847.46 | 847.98 | 847.96 | 847.95 |
| 28 | 864.10 | 862.52 | 860.73 | 857.10 | 854.59 | 849.79 | 848.26 | 847.92 | 847.47 | 847.95 | 847.96 | 847.96 |
| 29 | 864.05 |  | 860.67 | 856.94 | 854.39 | 849.62 | 848.29 | 847.89 | 847.46 | 847.95 | 847.95 | 847.96 |
| 30 | 864.01 |  | 860.62 | 856.82 | 854.21 | 849.42 | 848.33 | 847.81 | 847.47 | 847.95 | 847.92 | 847.94 |
| 31 | 863.94 |  | 860.54 |  | 854.01 |  | 848.27 | 847.83 |  | 847.91 |  | 847.93 |

**Table A-2. City of Hondo Well (TD-69-47-306) Daily High Water Levels (in feet above msl), 2011.**

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 712.60 | 715.26 | 710.50 | 697.60 | 685.00 | 675.09 | 670.64 | 673.44 | 672.94 | 676.01 | 682.24 | 684.61 |
| 2 | 713.13 | 715.01 | 709.98 | 697.82 | 685.76 | 673.50 | 671.50 | 672.75 | 673.26 | 676.49 | 682.03 | 684.42 |
| 3 | 713.68 | 715.16 | 709.66 | 697.67 | 686.02 | 672.72 | 672.46 | 672.56 | 673.35 | 676.64 | 681.74 | 684.73 |
| 4 | 713.62 | 715.18 | 709.65 | 697.92 | 684.43 | 671.89 | 672.43 | 672.15 | 673.91 | 676.37 | 681.84 | 684.93 |
| 5 | 713.58 | 714.95 | 709.39 | 698.01 | 683.24 | 671.99 | 671.18 | 672.18 | 673.83 | 676.36 | 682.18 | 684.97 |
| 6 | 713.39 | 714.95 | 709.71 | 697.76 | 682.45 | 672.03 | 670.95 | 672.11 | 673.12 | 676.76 | 682.23 | 684.98 |
| 7 | 713.75 | 714.58 | 709.38 | 696.33 | 682.71 | 670.43 | 670.94 | 672.69 | 673.10 | 676.54 | 682.18 | 685.14 |
| 8 | 714.08 | 714.71 | 708.54 | 694.27 | 682.65 | 668.89 | 670.56 | 673.02 | 672.67 | 677.27 | 682.16 | 685.22 |
| 9 | 714.55 | 714.52 | 707.28 | 694.36 | 682.15 | 668.13 | 670.77 | 673.10 | 673.20 | 678.77 | 681.91 | 685.19 |
| 10 | 714.87 | 714.43 | 706.64 | 694.14 | 681.65 | 667.96 | 669.87 | 673.01 | 673.14 | 680.38 | 681.69 | 684.90 |
| 11 | 714.90 | 714.11 | 706.53 | 693.48 | 681.13 | 668.06 | 670.01 | 672.79 | 673.52 | 681.69 | 681.69 | 685.14 |
| 12 | 715.25 | 714.03 | 705.51 | 692.61 | 684.64 | 667.98 | 670.50 | 672.76 | 673.53 | 682.41 | 681.98 | 685.35 |
| 13 | 715.50 | 713.84 | 705.75 | 692.43 | 687.37 | 667.70 | 670.58 | 672.97 | 672.93 | 682.69 | 682.02 | 685.66 |
| 14 | 715.81 | 713.53 | 705.93 | 692.21 | 689.14 | 666.52 | 670.30 | 673.40 | 672.92 | 682.70 | 681.83 | 685.72 |
| 15 | 716.14 | 713.01 | 704.80 | 691.66 | 690.10 | 665.36 | 669.75 | 673.51 | 672.83 | 683.12 | 681.84 | 685.76 |
| 16 | 716.57 | 712.72 | 703.68 | 691.45 | 690.36 | 665.22 | 670.13 | 673.38 | 672.83 | 683.52 | 682.21 | 685.76 |
| 17 | 717.06 | 712.41 | 702.60 | 691.40 | 689.97 | 665.02 | 670.07 | 673.14 | 674.35 | 683.63 | 682.31 | 685.93 |
| 18 | 717.20 | 712.32 | 702.04 | 691.53 | 688.95 | 665.33 | 670.21 | 672.58 | 675.10 | 683.53 | 682.86 | 686.47 |
| 19 | 717.14 | 712.16 | 701.21 | 689.97 | 687.61 | 665.18 | 669.94 | 672.57 | 675.86 | 683.21 | 683.07 | 686.83 |
| 20 | 717.15 | 712.26 | 700.27 | 688.66 | 686.76 | 665.05 | 670.79 | 673.15 | 676.33 | 683.25 | 683.21 | 686.70 |
| 21 | 716.87 | 712.17 | 700.52 | 688.83 | 686.44 | 664.59 | 670.91 | 673.74 | 676.53 | 682.96 | 683.34 | 686.87 |
| 22 | 716.99 | 711.23 | 700.00 | 688.40 | 685.22 | 669.49 | 670.87 | 673.69 | 676.75 | 683.11 | 683.17 | 686.89 |
| 23 | 717.10 | 711.18 | 698.95 | 688.09 | 684.19 | 672.11 | 671.73 | 673.09 | 676.67 | 683.20 | 682.97 | 687.15 |
| 24 | 717.09 | 711.04 | 698.44 | 688.66 | 683.27 | 673.36 | 672.00 | 672.57 | 676.62 | 683.09 | 683.06 | 687.39 |
| 25 | 716.96 | 710.94 | 698.18 | 689.25 | 681.81 | 673.95 | 672.05 | 672.35 | 676.54 | 682.80 | 683.39 | 687.70 |
| 26 | 716.57 | 710.86 | 697.69 | 687.95 | 680.28 | 674.90 | 671.57 | 672.75 | 676.26 | 682.59 | 683.49 | 688.12 |
| 27 | 715.91 | 711.19 | 697.76 | 686.30 | 679.20 | 675.09 | 671.50 | 673.09 | 675.59 | 682.52 | 683.92 | 688.16 |
| 28 | 715.54 | 710.68 | 697.45 | 684.11 | 677.94 | 673.09 | 671.46 | 673.97 | 676.06 | 682.29 | 684.43 | 688.31 |
| 29 | 715.69 |  | 697.95 | 684.24 | 677.39 | 671.99 | 672.31 | 674.15 | 675.88 | 682.38 | 684.43 | 688.42 |
| 30 | 715.79 |  | 698.32 | 684.72 | 677.08 | 671.58 | 672.79 | 673.48 | 675.81 | 682.53 | 684.57 | 688.35 |
| 31 | 715.66 |  | 697.88 |  | 675.57 |  | 673.63 | 673.24 |  | 682.36 |  | 688.26 |

N/D = No data available.
inc = Incomplete data (not a complete day of data).
op = *Orphimedes* data backup.

**Table A-3. City of Castroville Well (TD-68-41-301) Daily High Water Levels (in feet above msl), 2011.**

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 696.7 | 700.6 | 695.1 | 684.6 | 674.5 | 666.6 | 662.6 | 664.0 | 663.1 | 665.5 | 671.1 | 672.4 |
| 2 | 697.0 | 698.8 | 694.9 | 684.6 | 674.5 | 665.6 | 662.7 | 663.9 | 663.2 | 665.7 | 671.0 | 672.5 |
| 3 | 697.2 | 698.7 | 694.8 | 684.5 | 674.4 | 665.0 | 663.3 | 663.7 | 663.4 | 665.7 | 670.6 | 672.6 |
| 4 | 697.4 | 698.7 | 694.8 | 684.4 | 673.6 | 664.4 | 663.5 | 663.4 | 663.7 | 665.6 | 670.6 | 672.8 |
| 5 | 697.3 | 698.4 | 694.5 | 684.2 | 673.1 | 664.1 | 663.2 | 663.2 | 663.8 | 665.6 | 670.9 | 674.2 |
| 6 | 697.1 | 698.5 | 694.6 | 684.2 | 672.6 | 664.0 | 662.6 | 663.3 | 663.6 | 665.6 | 671.0 | 672.9 |
| 7 | 697.4 | 698.1 | 694.5 | 684.1 | 672.3 | 663.2 | 662.4 | 663.6 | 663.6 | 665.9 | 671.0 | 672.9 |
| 8 | 697.7 | 698.3 | 694.2 | 683.2 | 672.1 | 662.1 | 662.1 | 663.8 | 663.3 | 668.3 | 670.9 | 673.1 |
| 9 | 700.9 | 698.2 | 693.5 | 682.4 | 672.1 | 661.1 | 661.9 | 663.7 | 663.0 | 675.0 | 670.5 | 673.1 |
| 10 | 698.4 | 697.7 | 692.5 | 682.1 | 671.5 | 660.7 | 661.9 | 663.5 | 663.0 | 669.2 | 670.3 | 673.2 |
| 11 | 698.5 | 697.6 | 692.2 | 682.0 | 671.0 | 660.8 | 662.1 | 663.4 | 663.2 | 670.3 | 670.4 | 673.1 |
| 12 | 698.8 | 697.8 | 691.7 | 681.3 | 676.5 | 660.8 | 662.2 | 663.4 | 663.2 | 671.1 | 670.6 | 673.4 |
| 13 | 699.2 | 697.8 | 691.4 | 681.1 | 675.0 | 660.8 | 662.3 | 663.6 | 663.2 | 671.4 | 670.6 | 673.3 |
| 14 | 699.7 | 697.5 | 691.2 | 681.0 | 676.4 | 659.6 | 662.0 | 664.0 | 662.8 | 671.6 | 669.2 | 673.6 |
| 15 | 700.7 | 697.2 | 690.6 | 680.7 | 677.3 | 658.9 | 661.5 | 664.1 | 662.5 | 671.7 | 675.1 | 673.8 |
| 16 | 700.3 | 696.9 | 689.9 | 680.0 | 677.6 | 658.1 | 661.4 | 664.1 | 662.7 | 672.2 | 670.3 | 673.7 |
| 17 | 700.9 | 696.8 | 688.8 | 679.7 | 677.5 | 658.0 | 661.5 | 663.8 | 663.4 | 672.4 | 670.4 | 673.8 |
| 18 | 700.9 | 696.6 | 688.1 | 679.8 | 677.2 | 657.7 | 661.5 | 663.4 | 668.7 | 672.3 | 670.8 | 674.2 |
| 19 | 700.9 | 696.5 | 687.4 | 679.4 | 676.5 | 657.7 | 661.7 | 663.3 | 664.9 | 671.9 | 671.1 | 674.6 |
| 20 | 701.0 | 696.7 | 686.9 | 678.4 | 676.3 | 657.6 | 662.4 | 663.4 | 665.7 | 671.8 | 671.2 | 674.6 |
| 21 | 700.8 | 696.7 | 686.3 | 677.9 | 676.1 | 657.1 | 662.6 | 663.6 | 665.9 | 671.7 | 671.3 | 675.4 |
| 22 | 700.8 | 696.2 | 685.9 | 677.6 | 675.9 | 658.9 | 662.6 | 663.7 | 666.1 | 671.8 | 671.2 | 675.8 |
| 23 | 700.9 | 696.1 | 685.5 | 677.3 | 674.7 | 660.7 | 662.7 | 663.5 | 666.1 | 672.0 | 671.0 | 675.0 |
| 24 | 700.8 | 696.0 | 685.2 | 677.3 | 674.2 | 661.6 | 662.9 | 663.0 | 666.0 | 671.8 | 671.0 | 675.3 |
| 25 | 700.8 | 695.8 | 684.9 | 677.4 | 673.4 | 662.3 | 663.0 | 662.7 | 666.2 | 671.6 | 671.4 | 675.6 |
| 26 | 700.5 | 695.7 | 684.6 | 677.1 | 672.3 | 663.1 | 662.9 | 662.8 | 666.1 | 671.6 | 674.1 | 676.0 |
| 27 | 700.2 | 695.9 | 684.3 | 676.5 | 671.0 | 663.2 | 662.9 | 663.0 | 665.6 | 671.5 | 671.8 | 676.0 |
| 28 | 699.9 | 695.4 | 684.1 | 675.1 | 670.1 | 662.9 | 662.7 | 663.4 | 665.5 | 671.1 | 672.0 | 676.1 |
| 29 | 699.8 | | 684.3 | 674.6 | 669.6 | 662.3 | 663.1 | 663.6 | 665.4 | 671.2 | 673.5 | 676.2 |
| 30 | 699.8 | | 684.7 | 674.4 | 668.8 | 662.6 | 663.5 | 663.4 | 665.4 | 671.3 | 672.3 | 676.1 |
| 31 | 699.6 | | 684.8 | | 667.8 | | 664.0 | 663.0 | | 671.2 | | 676.0 |

**Table A-4. Bexar County Index Well J-17 (AY-68-37-203) Daily High Water Levels (in feet above msl), 2011.**

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 671.46 | 672.51 | 670.00 | 663.09 | 655.29 | 646.90 | 644.50 | 644.31 | 641.05 | 644.89 | 648.70 | 649.76 |
| 2 | 671.57 | 672.27 | 669.54 | 663.01 | 654.88 | 646.62 | 645.21 | 642.97 | 641.08 | 645.54 | 648.18 | 649.86 |
| 3 | 671.30 | 672.24 | 669.31 | 663.10 | 654.73 | 646.36 | 645.58 | 642.27 | 642.12 | 644.94 | 647.60 | 650.71 |
| 4 | 671.26 | 671.94 | 669.17 | 662.65 | 654.14 | 646.23 | 644.83 | 642.02 | 642.83 | 644.21 | 647.35 | 651.03 |
| 5 | 671.39 | 671.06 | 669.22 | 662.45 | 653.34 | 646.64 | 643.96 | 641.89 | 642.62 | 643.97 | 648.33 | 651.09 |
| 6 | 671.19 | 671.72 | 669.32 | 662.20 | 653.19 | 645.68 | 643.65 | 642.47 | 641.29 | 643.99 | 648.35 | 650.97 |
| 7 | 671.08 | 671.80 | 669.11 | 661.87 | 653.05 | 644.28 | 643.56 | 643.30 | 640.94 | 644.33 | 647.78 | 650.80 |
| 8 | 671.33 | 671.80 | 668.93 | 661.43 | 653.19 | 643.46 | 643.30 | 642.87 | 641.17 | 645.35 | 647.13 | 650.64 |
| 9 | 672.11 | 671.97 | 668.60 | 661.13 | 652.51 | 642.88 | 643.91 | 641.95 | 640.94 | 649.74 | 647.22 | 650.40 |
| 10 | 672.53 | 671.81 | 667.97 | 661.01 | 651.57 | 642.57 | 644.44 | 641.45 | 641.81 | 650.63 | 646.79 | 650.68 |
| 11 | 673.14 | 671.70 | 667.74 | 660.22 | 651.27 | 643.38 | 644.37 | 641.88 | 642.21 | 651.57 | 646.86 | 651.54 |
| 12 | 672.87 | 671.78 | 667.92 | 659.66 | 652.77 | 643.76 | 643.65 | 642.01 | 641.56 | 651.89 | 647.39 | 651.68 |
| 13 | 673.09 | 671.76 | 667.61 | 659.38 | 654.31 | 642.68 | 643.24 | 642.64 | 640.31 | 652.13 | 647.75 | 651.58 |
| 14 | 673.01 | 671.73 | 667.05 | 659.44 | 655.26 | 641.84 | 642.95 | 643.46 | 640.59 | 651.84 | 647.20 | 651.56 |
| 15 | 673.39 | 671.60 | 666.76 | 659.32 | 656.17 | 640.79 | 642.57 | 642.73 | 640.47 | 652.30 | 647.36 | 651.71 |
| 16 | 674.06 | 671.26 | 666.15 | 659.20 | 655.99 | 640.41 | 643.12 | 642.01 | 642.34 | 652.71 | 647.73 | 651.95 |
| 17 | 674.24 | 671.51 | 665.69 | 659.34 | 655.38 | 640.25 | 643.87 | 641.51 | 643.71 | 652.11 | 647.75 | 652.17 |
| 18 | 674.46 | 671.18 | 665.10 | 658.85 | 654.80 | 640.92 | 643.30 | 641.46 | 644.87 | 651.40 | 648.14 | 652.53 |
| 19 | 674.36 | 671.40 | 664.72 | 657.98 | 654.50 | 641.13 | 643.16 | 641.31 | 645.81 | 651.03 | 648.59 | 652.42 |
| 20 | 674.46 | 671.68 | 664.51 | 657.27 | 654.59 | 639.99 | 644.13 | 642.20 | 646.04 | 650.98 | 648.83 | 652.53 |
| 21 | 674.28 | 671.31 | 663.89 | 657.18 | 654.65 | 639.86 | 644.15 | 642.83 | 646.08 | 651.02 | 648.45 | 652.86 |
| 22 | 674.50 | 671.10 | 663.33 | 656.93 | 654.70 | 643.09 | 643.63 | 642.21 | 645.78 | 651.32 | 648.26 | 653.31 |
| 23 | 674.47 | 670.84 | 662.70 | 656.99 | 653.79 | 644.70 | 644.42 | 641.08 | 645.78 | 651.70 | 648.04 | 653.64 |
| 24 | 674.32 | 670.82 | 662.36 | 657.05 | 652.81 | 645.39 | 644.44 | 640.97 | 645.63 | 650.93 | 648.27 | 654.54 |
| 25 | 673.94 | 670.72 | 662.04 | 657.00 | 651.86 | 645.71 | 643.58 | 641.11 | 646.11 | 650.20 | 648.48 | 654.85 |
| 26 | 673.69 | 670.55 | 662.77 | 656.13 | 651.26 | 646.69 | 643.25 | 641.90 | 645.04 | 650.16 | 649.31 | 654.83 |
| 27 | 673.35 | 670.61 | 662.68 | 655.59 | 650.17 | 646.29 | 643.01 | 642.47 | 644.13 | 650.10 | 650.72 | 654.44 |
| 28 | 673.15 | 670.21 | 662.16 | 654.82 | 650.42 | 645.25 | 642.91 | 643.14 | 644.07 | 649.17 | 650.46 | 654.25 |
| 29 | 673.27 | | 662.38 | 654.24 | 650.39 | 644.68 | 643.06 | 642.14 | 643.61 | 649.65 | 650.29 | 654.22 |
| 30 | 673.43 | | 663.12 | 654.81 | 649.55 | 644.69 | 644.17 | 641.49 | 644.12 | 649.96 | 649.90 | 653.91 |
| 31 | 672.68 | | 663.22 | | 647.80 | | 645.03 | 641.09 | | 649.21 | | 654.03 |

N/D = No data available.
inc = Incomplete data (not a complete day of data).
op = *Orphimedes* data backup.

**Table A-5. Landa Park Well (DX-68-23-302) Daily High Water Levels (in feet above msl), 2011.**

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 626.9 | 626.9 | 626.5 | 625.8 | 624.9 | 624.1 | 623.4 | 623.1 | 622.7 | 623.0 | 623.4 | 623.5 |
| 2 | 626.9 | 626.9 | 626.5 | 625.8 | 624.9 | 624.0 | 623.4 | 623.1 | 622.7 | 623.0 | 623.4 | 623.5 |
| 3 | 626.9 | 626.8 | 626.5 | 625.8 | 624.9 | 623.9 | 623.5 | 623.0 | 622.8 | 623.0 | 623.4 | 623.6 |
| 4 | 626.9 | 626.8 | 626.5 | 625.7 | 624.8 | 623.9 | 623.4 | 623.0 | 622.8 | 623.0 | 623.4 | 623.6 |
| 5 | 626.9 | 626.8 | 626.5 | 625.7 | 624.8 | 623.9 | 623.4 | 623.0 | 622.8 | 622.9 | 623.4 | 623.7 |
| 6 | 626.9 | 626.8 | 626.5 | 625.7 | 624.7 | 623.9 | 623.3 | 623.0 | 622.7 | 622.9 | 623.4 | 623.6 |
| 7 | 626.9 | 626.8 | 626.5 | 625.6 | 624.7 | 623.7 | 623.3 | 623.0 | 622.7 | 622.9 | 623.4 | 623.7 |
| 8 | 626.9 | 626.8 | 626.4 | 625.6 | 624.7 | 623.7 | 623.2 | 623.0 | 622.7 | 623.0 | 623.3 | 623.6 |
| 9 | 627.3 | 626.8 | 626.4 | 625.6 | 624.7 | 623.6 | 623.3 | 622.9 | 622.7 | 623.5 | 623.3 | 623.6 |
| 10 | 626.9 | 626.8 | 626.3 | 625.6 | 624.6 | 623.5 | 623.3 | 622.9 | 622.7 | 623.3 | 623.2 | 623.6 |
| 11 | 626.9 | 626.7 | 626.3 | 625.5 | 624.5 | 623.6 | 623.3 | 622.9 | 622.7 | 623.4 | 623.3 | 623.7 |
| 12 | 626.9 | 626.7 | 626.3 | 625.5 | 624.5 | 623.6 | 623.3 | 622.9 | 622.7 | 623.4 | 623.3 | 623.7 |
| 13 | 626.9 | 626.8 | 626.3 | 625.4 | 624.6 | 623.5 | 623.2 | 622.9 | 622.6 | 623.5 | 623.3 | 623.7 |
| 14 | 626.9 | 626.7 | 626.3 | 625.4 | 624.7 | 623.4 | 623.2 | 623.0 | 622.6 | 623.5 | 623.3 | 623.7 |
| 15 | 627.1 | 626.7 | 626.2 | 625.4 | 624.7 | 623.3 | 623.1 | 622.9 | 622.6 | 623.5 | 623.5 | 623.8 |
| 16 | 627.2 | 626.7 | 626.2 | 625.3 | 624.7 | 623.2 | 623.2 | 622.8 | 622.6 | 623.6 | 623.3 | 623.8 |
| 17 | 627.1 | 626.7 | 626.2 | 625.4 | 624.7 | 623.2 | 623.2 | 622.8 | 622.8 | 623.5 | 623.3 | 623.8 |
| 18 | 627.0 | 626.7 | 626.1 | 625.3 | 624.7 | 623.2 | 623.2 | 622.8 | 622.9 | 623.5 | 623.3 | 623.8 |
| 19 | 627.0 | 626.7 | 626.1 | 625.2 | 624.6 | 623.2 | 623.4 | 622.8 | 622.9 | 623.5 | 623.4 | 623.8 |
| 20 | 627.0 | 626.7 | 626.1 | 625.2 | 624.6 | 623.2 | 623.2 | 622.8 | 623.0 | 623.5 | 623.4 | 623.8 |
| 21 | 627.1 | 626.7 | 626.0 | 625.2 | 624.7 | 623.1 | 623.2 | 622.9 | 623.0 | 623.5 | 623.4 | 623.9 |
| 22 | 627.1 | 626.7 | 626.0 | 625.1 | 624.7 | 623.5 | 623.2 | 622.8 | 623.0 | 623.6 | 623.4 | 624.2 |
| 23 | 627.1 | 626.6 | 625.9 | 625.1 | 624.6 | 623.3 | 623.2 | 622.7 | 623.0 | 623.6 | 623.3 | 624.1 |
| 24 | 627.0 | 626.6 | 625.9 | 625.2 | 624.5 | 623.4 | 623.2 | 622.7 | 623.0 | 623.5 | 623.4 | 624.2 |
| 25 | 626.9 | 626.6 | 625.8 | 625.1 | 624.5 | 623.5 | 623.2 | 622.7 | 623.1 | 623.5 | 623.4 | 624.2 |
| 26 | 626.9 | 626.6 | ND | 625.1 | 624.4 | 623.5 | 623.1 | 622.8 | 623.0 | 623.5 | 623.7 | 624.2 |
| 27 | 626.9 | 626.6 | ND | 625.0 | 624.3 | 623.5 | 623.1 | 622.8 | 622.9 | 623.5 | 623.5 | 624.2 |
| 28 | 626.9 | 626.6 | 625.8 | 624.9 | 624.3 | 623.5 | 623.1 | 622.8 | 622.9 | 623.4 | 623.5 | 624.2 |
| 29 | 626.9 | | 625.8 | 624.9 | 624.3 | 623.4 | 623.1 | 622.8 | 622.9 | 623.5 | 623.5 | 624.2 |
| 30 | 626.9 | | 625.8 | 624.9 | 624.3 | 623.4 | 623.1 | 622.7 | 623.0 | 623.5 | 623.5 | 624.2 |
| 31 | 626.9 | | 625.8 | | 624.1 | | 623.2 | 622.7 | | 623.5 | | 624.3 |

**Table A-6. Knispel Well (LR 67-01-809) Daily high water levels (in feet above msl), 2011.**

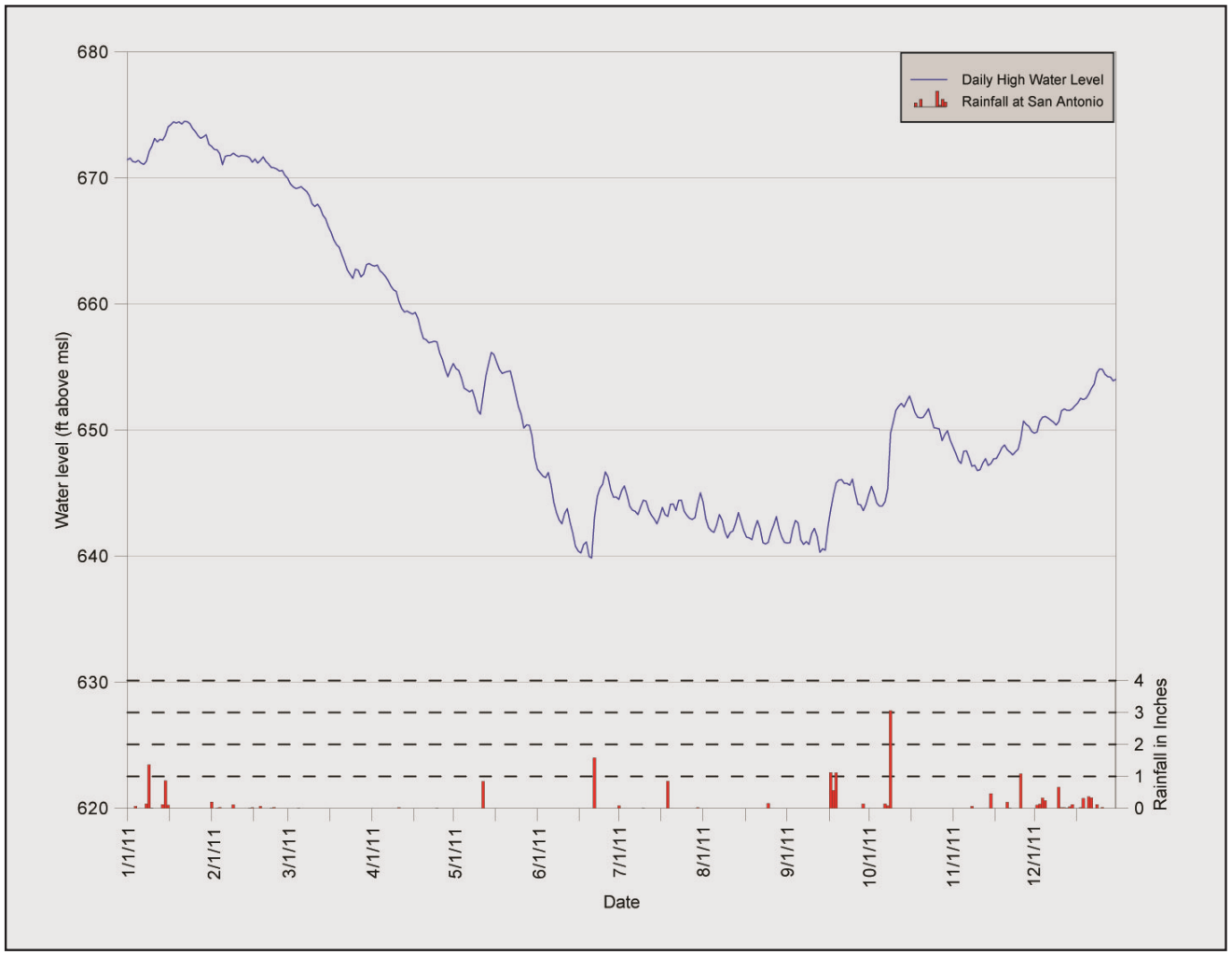
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 9 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 10 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 11 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 12 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 13 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 14 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | **573.93** | ND |
| 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 16 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 17 | ND | ND | ND | ND | ND | ND | ND | ND | ND | **574.01** | ND | ND |
| 18 | ND | ND | ND | ND | ND | ND | **573.99** | ND | ND | ND | ND | ND |
| 19 | ND | ND | ND | **574.70** | ND | ND | ND | ND | **573.97** | ND | ND | ND |
| 20 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 21 | ND | ND | **575.09** | ND | ND | ND | ND | ND | ND | ND | ND | **574.15** |
| 22 | ND | **575.36** | ND | ND | ND | ND | ND | **573.99** | ND | ND | ND | ND |
| 23 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 24 | **575.79** | ND | ND | ND | **574.35** | ND | ND | ND | ND | ND | ND | ND |
| 25 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 26 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 27 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 28 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 29 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 30 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 31 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

N/D = No data available.
inc = Incomplete data (not a complete day of data).

# APPENDIX B

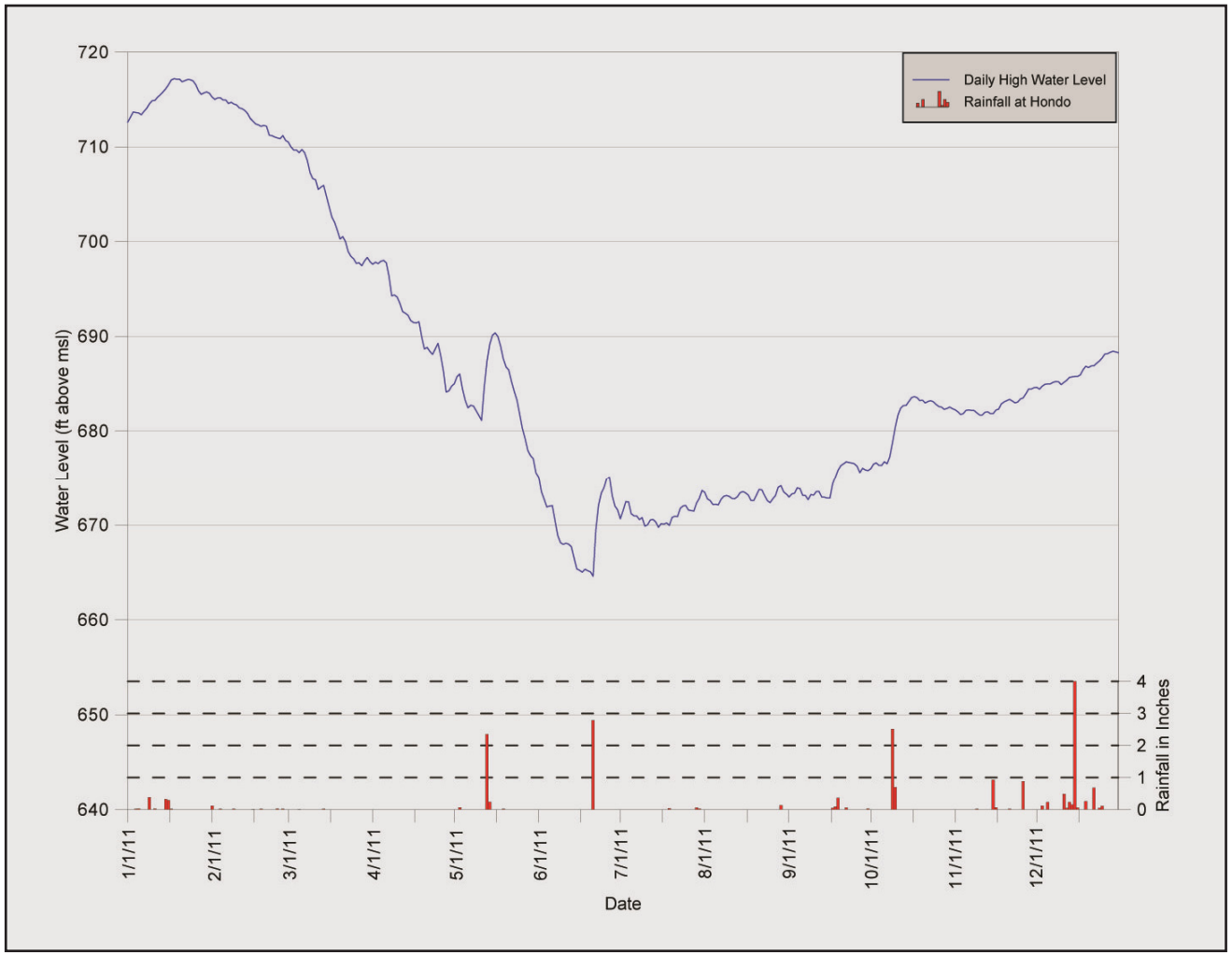
## Year 2011 Hydrographs for Wells and Springs

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



## Appendix B (cont.)

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



## Appendix B (cont.)

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

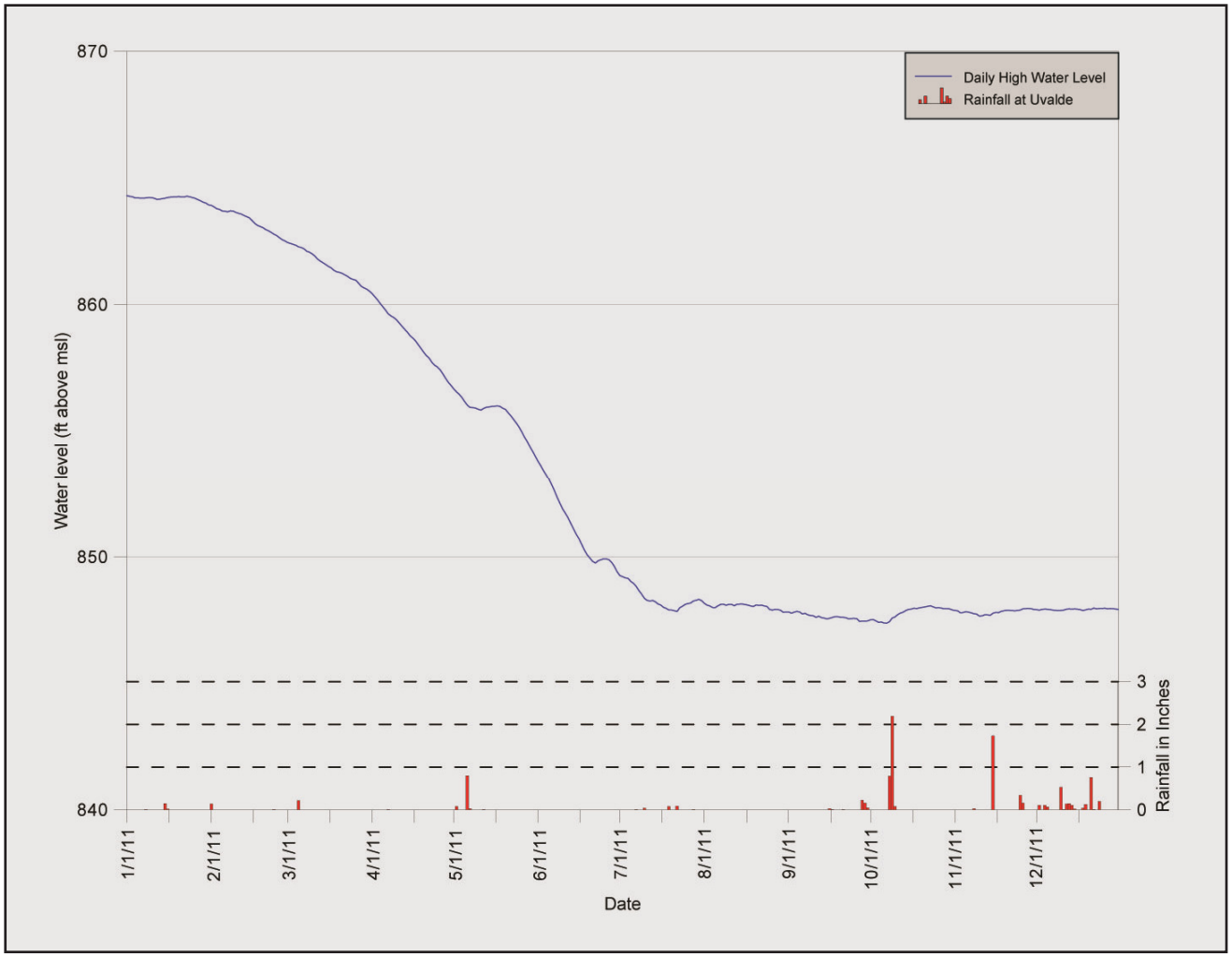


Figure B-4. Comal Springflow Hydrograph of Springflow vs. Precipitation at San Antonio International Airport

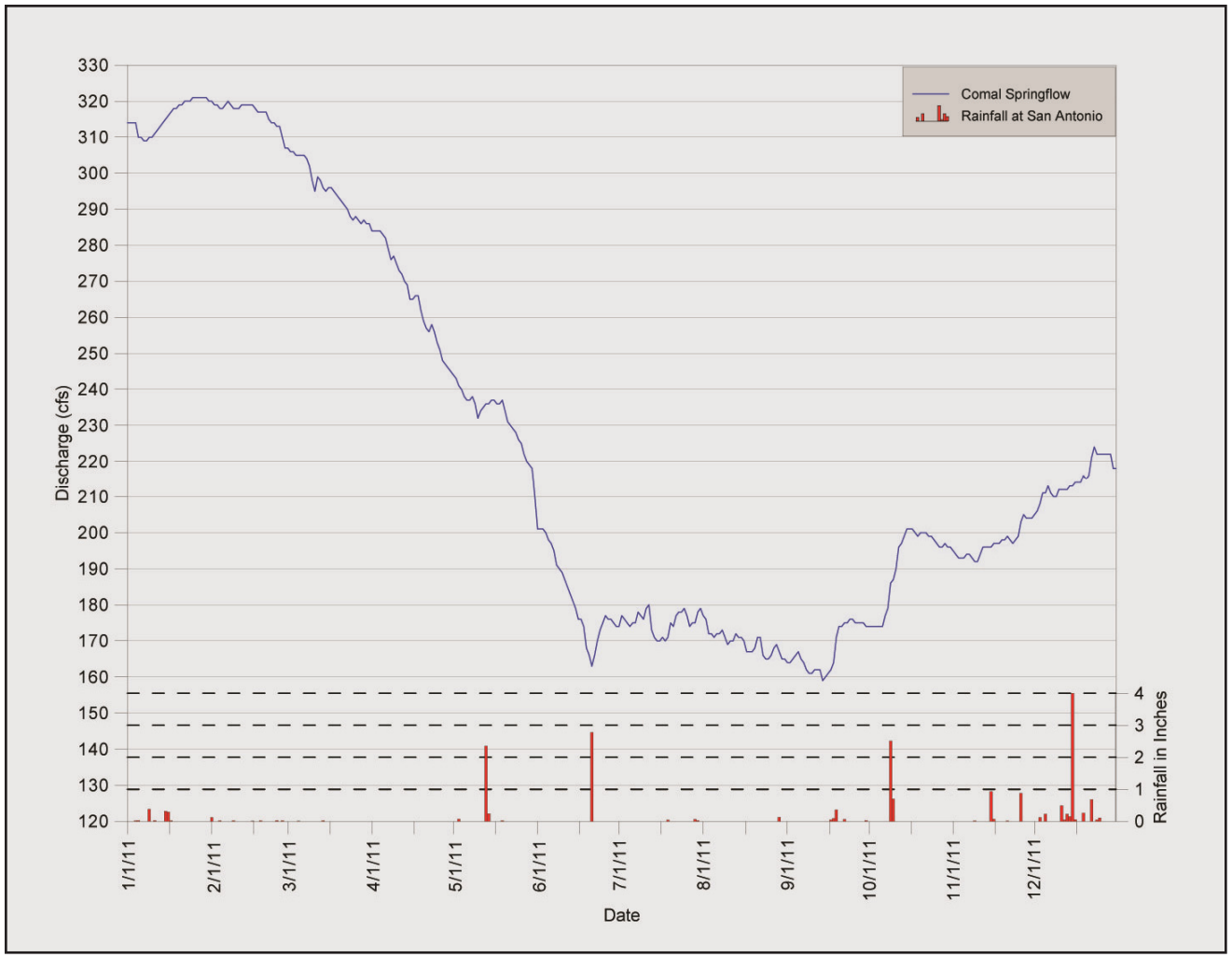


Figure B-5. San Marcos Springflow Hydrograph of Springflow vs. Precipitation at San Marcos

# APPENDIX C — Year 2010 Water Quality Data

**Table C-1.** Field measurments and bacteria counts in water samples from wells completed in the Edwards Aquifer, 2010

| State Well Number | Date Sampled | Time Sampled | Water Temp (deg C) | Field Conductivity (µg/L) | Field pH (std units) | Field Alkalinity (mg/L) | Turbidity (NTU) | Fecal Coliform (CFU/100ml) | Fecal Strep (CFU/100ml) | E. Coli (CFU/100mL) | Field Dissolved Oxygen (mg/L) | OP* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 3/16/11 | 15:10 | 23.80 | 523 | 7.03 | NA | 1.88 | NA | NA | NA | NA | NA |
| AY-68-27-303-2 | 3/16/11 | 15:40 | 23.70 | 525 | 7.03 | NA | 1.17 | NA | NA | NA | NA | NA |
| AY-68-27-303-1 | 7/6/11 | 11:10 | 24.10 | 574 | 7.02 | NA | NA | NA | NA | NA | 11.6 | NA |
| AY-68-27-303-2 | 7/6/11 | 10:35 | 24.00 | 566 | 7.00 | NA | NA | NA | NA | NA | 12.93 | NA |
| AY-68-27-303 | 12/20/11 | 10:25 | 22.40 | 578 | 7.12 | NA | 2.78 | NA | NA | NA | 8.06 | NA |
| AY-68-27-610 | 1/20/11 | 12:55 | 23.20 | 558 | 6.78 | 290 | 0.44 | <1 | <1 | NA | NA | NA |
| AY-68-27-612 | 2/8/11 | 10:20 | 23.20 | 522 | 6.74 | 278 | 0.46 | <2 | <2 | NA | NA | NA |
| AY-68-27-6SK | 12/15/11 | 14:05 | 26.3 | 549 | 7.03 | 272 | 3.05 | NA | NA | NA | NA | NA |
| AY-68-28-113 | 1/20/11 | 10:50 | 23.00 | 503 | 6.85 | 238 | 3.48 | NA | NA | NA | NA | NA |
| AY-68-28-203 | 4/27/11 | 8:50 | 22.50 | 732 | 6.69 | 289 | 0.38 | <2 | <2 | NA | NA | NA |
| AY-68-28-205 | 4/27/11 | 9:25 | 23.2 | 671 | 6.68 | 307 | 1.79 | <1 | <1 | NA | NA | NA |
| AY 68-28-211 | 8/22/11 | 10:50 | 23.70 | 547 | NA | 266 | 32.9 | NA | NA | NA | NA | NA |
| AY-68-28-310 | 8/8/11 | 14:45 | NA | NA | NA | NA | NA | NA | NA | <1 | NA | NA |
| AY-68-28-313 | 3/16/11 | 10:25 | 24.30 | 601 | 6.51 | NA | 10.4 | NA | NA | NA | NA | NA |
| AY-68-28-313 | 6/30/11 | 11:20 | 24.29 | 726 | NA | NA | NA | NA | NA | NA | 8.17 | NA |
| AY-68-28-313 | 12/7/11 | 14:37 | 18.50 | 630 | 7.35 | NA | 2.73 | NA | NA | NA | 6.15 | NA |
| AY-68-28-314 | 8/8/11 | 14:10 | 25.10 | 684 | 6.70 | NA | NA | NA | NA | <1 | NA | NA |
| AY-68-28-315 | 8/8/11 | 13:15 | 23.90 | 603 | 6.76 | NA | NA | NA | NA | <1 | NA | NA |
| AY-68-28-407 | 2/15/11 | 11:20 | 24.10 | 503 | 6.79 | 254 | 0.7 | <2 | <2 | NA | NA | NA |
| AY-68-28-513 | 4/27/11 | 10:05 | 22.70 | 627 | 6.73 | 294 | 0.15 | <1 | <1 | NA | NA | NA |
| AY-68-28-514 | 4/27/11 | 10:35 | 22.90 | 600 | 6.76 | 286 | 0.18 | <1 | <1 | NA | NA | NA |
| AY-68-28-516 | 2/23/11 | 14:35 | 23.60 | 571 | 6.85 | 311.00 | 0.31 | <2 | <2 | NA | NA | NA |
| AY-68-28-608 | 3/15/11 | 14:55 | 24.30 | 571 | 6.90 | NA | 29.30 | NA | NA | NA | NA | NA |
| AY-68-28-608 | 8/8/11 | 10:30 | 23.40 | 540 | NA | 285 | 1.60 | NA | NA | <1 | NA | NA |
| AY-68-28-608 | 8/18/11 | 12:00 | 23.60 | 585 | 6.84 | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-109 | 8/16/11 | 10:20 | 23.20 | 881 | NA | 276 | NA | <2 | <2 | <1 | NA | NA |
| AY-68-29-112 | 1/4/11 | 14:45 | 23.20 | 727 | 7.38 | NA | 0.18 | NA | NA | NA | NA | NA |
| AY-68-29-112 | 1/10/11 | 11:00 | 23.00 | 655 | 6.68 | NA | NA | NA | NA | NA | 7.32 | NA |
| AY-68-29-112 | 1/21/11 | 11:45 | 23.10 | 794 | 6.73 | NA | 0.21 | NA | NA | NA | NA | NA |
| AY-68-29-112 | 8/18/11 | 13:35 | 23.90 | 759 | NA | 356 | 1.57 | NA | NA | NA | NA | NA |
| AY-68-29-113 | 1/4/11 | 12:50 | 23.70 | 650 | 7.30 | NA | 6.10 | <2 | 2 | <2 | NA | NA |
| AY-68-29-113 | 1/10/11 | 12:08 | 22.80 | 564 | 6.85 | NA | NA | NA | NA | NA | 4.70 | NA |
| AY-68-29-113 | 1/21/11 | 10:45 | 23.60 | 653 | 6.76 | NA | 1.52 | <2 | <2 | NA | NA | NA |
| AY-68-29-113 | 8/18/11 | 12:05 | 24.00 | 600 | NA | 334 | 2.98 | NA | NA | NA | NA | NA |
| AY-68-29-1MM | 1/3/11 | 12:25 | 21.50 | 621 | 7.13 | NA | 0.20 | 1 | <2 | 1 | NA | NA |
| AY-68-29-1MM | 1/5/11 | 10:00 | 22.30 | 622 | 7.47 | NA | 3.00 | <2 | <2 | <2 | NA | NA |
| AY-68-29-1MM | 1/7/11 | 9:15 | 22.40 | 555 | 6.57 | NA | NA | <2 | <2 | <2 | NA | NA |
| AY-68-29-1MM | 1/13/11 | 14:45 | 22.00 | 514.00 | 7.09 | NA | NA | <1 | <1 | <1 | 8 | NA |
| AY-68-29-214 | 1/24/11 | 11:05 | 23.40 | 516 | 6.81 | 288.00 | 0.60 | NA | NA | NA | NA | NA |
| AY-68-29-215 | 1/5/11 | 12:55 | 23.70 | 526 | 7.59 | NA | 0.15 | <1 | <1 | <1 | NA | NA |
| AY-68-29-215 | 1/7/11 | 10:35 | 23.70 | 530 | 7.07 | NA | NA | <1 | <1 | <1 | NA | NA |
| AY-68-29-215 | 1/13/11 | 13:30 | NA | NA | NA | NA | NA | <2 | <2 | <2 | NA | NA |
| AY-68-29-216 | 2/14/11 | 11:15 | 23.90 | 351 | 6.88 | 266 | 0.71 | <2 | <2 | NA | NA | NA |
| AY-68-29-217 | 2/16/11 | 10:15 | 23.30 | 511 | 6.96 | 274 | 0.29 | <2 | 3 | NA | NA | NA |
| AY-68-29-2TH | 1/3/11 | 12:05 | 19.20 | 560 | 7.12 | NA | 0.20 | <1 | <2 | <1 | NA | NA |
| AY-68-29-2TH | 1/5/11 | 11:05 | 21.6 | 489 | 7.65 | NA | 0.45 | <1 | <2 | <1 | NA | NA |
| AY-68-29-2TH | 1/7/11 | 9:45 | 21.10 | 497 | 6.63 | NA | NA | <1 | <1 | <1 | NA | NA |

**Table C-1.** (cont.) Field measurments and bacteria counts in water samples from wells completed in the Edwards Aquifer, 2010

| State Well Number | Date Sampled | Time Sampled | Water Temp (deg C) | Field Conductivity (µg/L) | Field pH (std units) | Field Alkalinity (mg/L) | Turbidity (NTU) | Fecal Coliform (CFU/100ml) | Fecal Strep (CFU/100ml) | E. Coli (CFU/100mL) | Field Dissolved Oxygen (mg/L) | OP* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-2TH | 1/13/11 | 14:20 | 14.40 | 437 | 7.32 | NA | NA | <2 | <1 | <2 | 11.63 | NA |
| AY-68-29-4RR | 3/24/11 | 11:26 | NA | NA | NA | NA | NA | <2 | <2 | NA | NA | NA |
| AY-68-29-401 | 8/16/11 | 9:50 | 23.70 | 837 | NA | 288.00 | NA | NA | NA | <1 | NA | NA |
| AY-68-29-418 | 1/25/11 | 10:40 | 23.30 | 629 | 6.68 | 351.00 | 0.37 | <2 | <2 | NA | NA | NA |
| AY-68-29-418 | 4/4/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY 68-29-418 | 8/22/11 | 9:10 | 23.60 | 689 | NA | 359.00 | 1.45 | NA | NA | NA | NA | NA |
| AY-68-59-419 | 8/16/11 | 9:25 | 23.30 | 893 | NA | 290 | NA | NA | NA | <1 | NA | NA |
| DX-68-22-805 | 6/22/11 | 9:20 | 22.40 | 491 | 7.03 | 251 | 0.77 | <2 | <2 | NA | NA | NA |
| DX-68-22-903 | 6/28/11 | 10:10 | 22.40 | 468 | 7.22 | 241 | 0.12 | <1 | <1 | NA | NA | NA |
| DX-68-23-203 | 6/20/11 | 9:55 | 23.30 | 500 | 7.37 | 251 | 0.45 | <1 | <1 | NA | NA | NA |
| DX-68-23-203 | 8/17/11 | 10:35 | 23.50 | 500 | NA | NA | 0.69 | NA | NA | NA | NA | NA |
| DX-68-23-203 | 9/8/11 | 9:55 | 23.00 | 492 | NA | NA | 0.95 | NA | NA | NA | NA | NA |
| DX-68-23-303 | 6/20/11 | 9:10 | 23.90 | 526 | 7.04 | 241 | 0.24 | <2 | <2 | NA | NA | NA |
| DX-68-23-303 | 8/17/11 | 10:10 | 24.1 | 524 | NA | NA | 0.61 | NA | NA | NA | NA | NA |
| DX-68-23-303 | 9/8/11 | 9:35 | 24.70 | 528 | NA | NA | 1.11 | NA | NA | NA | NA | NA |
| DX-68-23-304 | 3/9/11 | 13:15 | 23.80 | 525 | 7.20 | 232 | 0.14 | <2 | <2 | NA | NA | NA |
| DX-68-23-504 | 6/28/11 | 9:05 | 23.30 | 528 | 7.08 | 241 | 0.17 | <2 | <2 | NA | NA | NA |
| DX-68-30-221 | 6/28/11 | 10:50 | 22.90 | 553 | 7.03 | 260 | 0.10 | <1 | <1 | NA | NA | NA |
| DX-68-30-225 | 6/22/11 | 9:50 | 22.10 | 545 | 6.91 | 274 | 0.44 | <1 | <1 | NA | NA | NA |
| LR-67-01-101-1 | 3/15/11 | 12:30 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-01-101-1 | 7/5/11 | 12:45 | 23.30 | 673 | 6.98 | NA | NA | NA | NA | NA | 3.4 | NA |
| LR-67-01-101-4 | 3/15/11 | 11:45 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-01-101-4 | 7/5/11 | 12:20 | 23.20 | 667 | 6.67 | NA | NA | NA | NA | NA | 4.63 | NA |
| LR-67-01-505 | 11/1/11 | 9:30 | 22.20 | 493 | 5.8 | 275.00 | 0.56 | NA | NA | <1 | NA | NA |
| LR-67-01-704 | 9/21/11 | 11:40 | 23.40 | 524 | NA | 248.00 | 1.73 | NA | NA | <1 | NA | NA |
| LR-67-01-7SF | 9/21/11 | 11:05 | 25.60 | 494 | NA | 278.00 | 27.30 | NA | NA | <1 | NA | NA |
| LR-67-01-7SG | 9/21/11 | 12:00 | 24.10 | 434 | NA | 255 | 2.17 | NA | NA | <1 | NA | NA |
| LR-67-01-810 | 9/20/11 | 10:25 | 22.70 | 547 | NA | 281.00 | 0.95 | NA | NA | <1 | NA | NA |
| LR-67-01-8SW | 9/20/11 | 11:00 | 22.80 | 562 | NA | 271.00 | NA | NA | NA | NA | NA | NA |
| LR-67-09-105 | 9/28/11 | 8:25 | 23.00 | 568 | NA | 266.00 | 0.82 | NA | NA | 2 | NA | NA |
| LR-67-09-106 | 9/28/11 | 9:10 | 23.00 | 550.00 | NA | 265.00 | 0.91 | NA | NA | <1 | NA | NA |
| LR-67-09-1HB | 9/27/11 | 10:40 | 23.10 | 512.00 | NA | 263.00 | NA | NA | NA | <1 | NA | NA |
| LR-68-08-902 | 9/21/11 | 10:15 | 24.10 | 571 | NA | 251.00 | 0.93 | NA | NA | <1 | NA | NA |
| RP-70-38-8MC | 11/9/11 | 10:25 | 23.70 | 375 | 7.36 | 193.00 | 0.40 | NA | NA | NA | NA | NA |
| RP-70-38-9TW | 10/11/11 | 12:20 | 23.90 | 437 | 6.00 | 224.00 | 28.60 | NA | NA | NA | NA | NA |
| RP-70-38-9BS | 10/11/11 | 10:30 | 23.6 | 436 | 6 | 206 | 2.21 | NA | NA | NA | NA | NA |
| RP-70-38-9HC | 10/11/11 | 13:05 | 24.50 | 436 | 6.00 | NA | 1.77 | NA | NA | NA | NA | NA |
| RP-70-38-9JM | 10/11/11 | 11:55 | 24.50 | 395 | 6.00 | 210.00 | 0.97 | NA | NA | NA | NA | NA |
| RP-70-45-601 | 10/10/11 | 10:55 | 25.20 | 425.00 | 6.40 | 214.00 | NA | NA | NA | NA | NA | NA |
| RP-70-45-505 | 11/8/11 | 15:00 | 24.60 | 445.00 | 7.16 | 203.00 | 0.38 | NA | NA | NA | NA | NA |
| RP-70-46-5AK | 10/10/11 | 14:40 | 25.40 | 471 | 6.20 | 226.00 | 1.96 | NA | NA | NA | NA | NA |
| RP-70-46-802 | 10/10/11 | 17:05 | 27.80 | 462 | 6.20 | 225 | 1.19 | NA | NA | NA | NA | NA |
| RP-70-46-8DS | 10/10/11 | 15:50 | 26.00 | 736 | 6.00 | 355 | 1.09 | NA | NA | NA | NA | NA |
| RP-70-47-9GR | 10/10/11 | 13:15 | 25.00 | 1008 | 6.20 | 373 | 25.30 | NA | NA | NA | NA | NA |
| TD 68-42-506 | 8/24/11 | 10:25 | 25.80 | 469 | NA | NA | 4.00 | NA | NA | NA | NA | NA |
| TD-68-33-502 | 6/21/11 | 10:55 | 23.20 | 444 | 7.39 | 203 | 2.70 | <1 | <1 | NA | NA | NA |
| TD-68-41-102 | 6/27/11 | 10:20 | 24.50 | 455 | 7.31 | 201.00 | 0.32 | <2 | <2 | NA | NA | NA |

**Table C-1.** (cont.) Field measurments and bacteria counts in water samples from wells completed in the Edwards Aquifer, 2010

| State Well Number | Date Sampled | Time Sampled | Water Temp (deg C) | Field Conductivity (µg/L) | Field pH (std units) | Field Alkalinity (mg/L) | Turbidity (NTU) | Fecal Coliform (CFU/100ml) | Fecal Strep (CFU/100ml) | E. Coli (CFU/100mL) | Field Dissolved Oxygen (mg/L) | OP* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-41-303 | 6/27/11 | 11:20 | 23.90 | 460 | 7.30 | 201.00 | 0.09 | <1 | <1 | NA | NA | NA |
| TD-68-41-901 | 6/27/11 | 9:25 | 26.40 | 483 | 7.30 | 202.00 | 0.28 | <1 | <1 | NA | NA | NA |
| TD-68-42-506 | 6/29/11 | 9:05 | 25.70 | 476 | 7.28 | 211.00 | 1.08 | <2 | <1 | NA | NA | NA |
| TD-68-42-806 | 6/23/11 | 9:15 | 31.60 | 530 | 7.22 | 196.00 | 0.39 | <1 | <1 | NA | NA | NA |
| TD-68-49-201 | 6/23/11 | 10:55 | 27.50 | 513 | 7.29 | 202.00 | 0.22 | <2 | <2 | NA | NA | NA |
| TD-68-49-301 | 6/29/11 | 10:15 | 32.10 | 531 | 7.68 | 200.00 | 0.14 | <1 | <1 | NA | NA | NA |
| TD-69-47-303 | 6/29/11 | 11:20 | 24.30 | 440 | 7.37 | 213.00 | 0.14 | <1 | <2 | NA | NA | NA |
| TD-69-55-604 | 6/21/11 | 9:45 | 23.90 | 491 | 7.31 | 209 | 0.67 | <2 | <2 | NA | NA | NA |
| YP 69-35-602 | 3/13/11 | 11:45 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| YP 69-35-602 | 6/28/11 | 12:40 | 23.28 | 481 | NA | NA | NA | NA | NA | NA | 8.91 | NA |
| YP-68-50-207 | 7/13/11 | 9:35 | 23.20 | 481 | 7.15 | 220 | 0.3 | <2 | <2 | NA | NA | NA |
| YP-69-42-606 | 10/26/11 | 11:50 | 23.40 | 493 | 5.80 | 198 | 0.11 | NA | NA | NA | NA | NA |
| YP-69-43-407 | 10/26/11 | 12:25 | 24.00 | 423 | 6.00 | 206 | 12.00 | NA | NA | NA | NA | NA |
| YP-69-43-9SC | 11/7/11 | 10:55 | 28.00 | 771 | 6.00 | 187 | 0.50 | NA | NA | NA | NA | NA |
| YP-69-45-405 | 7/12/11 | 9:35 | 23.00 | 432 | 7.29 | 201 | 0.53 | <2 | <2 | NA | NA | NA |
| YP-69-50-624 | 10/26/11 | 11:20 | 23.70 | 558 | 6.00 | 241 | 0.20 | NA | NA | NA | NA | NA |
| YP-69-51-114 | 7/12/11 | 10:45 | 27.8 | 884 | 6.91 | 272 | 0.35 | <1 | <1 | NA | NA | NA |

*OP = Dissolved orthophosphate
NA = Not analyzed

**Table C-2.** Analytical data for major ions from wells completed in the Edwards Aquifer, 2011

| County | 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-27-303-1 | 03/16/11 | 93.6 | 8.50 | 9.98 | 0.765J | 12.1 | 25.9 | 0.0863J | 5.02 | 327 |
| Bexar | AY-68-27-303-1 | 07/06/11 | 90.2 | 6.15 | 9.25 | 0.850J | 12.6 | 30.6 | 0.0805J | 4.73 | 333 |
| Bexar | AY-68-27-303-2 | 03/16/11 | 101 | 8.38 | 10.8 | 0.818J | 12.1 | 25.4 | 0.0956J | 4.99 | 343 |
| Bexar | AY-68-27-303-2 | 07/06/11 | 93.7 | 6.81 | 9.45 | 0.751J | 12.5 | 30.6 | 0.0796J | 5.22 | 311 |
| Bexar | AY-68-27-303-2 | 12/20/11 | 95.9 | 7.26 | 10.4 | 0.877J | 13.0 | 31.5 | 0.0625J | 4.47 | 324 |
| Bexar | AY-68-27-610 | 01/20/11 | 86.4 | 9.53 | 11.1 | 0.723J | 15.6 | 18.5 | 0.177 | 7.02 | 349 |
| Bexar | AY-68-27-612 | 02/08/11 | 106 | 8.00 | 9.01 | 0.981J | 14.6 | 19.1 | 0.134 | 5.50 | 384 |
| Bexar | AY-68-27-6SK | 12/15/11 | 87.7 | 6.69 | 11.9 | 0.809J | 14.7 | 16.6 | 0.126 | 5.76 | 333 |
| Bexar | AY-68-28-113 | 01/20/11 | 88.2 | 5.24 | 5.76 | 0.765J | 12.5 | 17.4 | 0.110 | 4.66 | 288 |
| Bexar | AY-68-28-203 | 04/27/11 | 130 | 21.4 | 5.12 | 0.942J | 63.9 | 17.5 | 0.0417J | 6.30 | 482 |
| Bexar | AY-68-28-205 | 04/27/11 | 120 | 11.2 | 7.59 | 0.902J | 39.2 | 12.7 | 0.0860J | 5.95 | 423 |
| Bexar | AY-68-28-211 | 08/22/11 | 100 | 8.69 | 6.79 | 1.00 | 18.0 | 19.4 | 0.101 | 5.68 | 374 |
| Bexar | AY-68-28-313 | 03/16/11 | 122 | 9.34 | 2.76 | 1.49 | 15.4 | 10.4 | 0.0625J | 6.55 | 382 |
| Bexar | AY-68-28-313 | 06/30/11 | 122 | 9.57 | 3.12 | 1.75 | 16.1 | 12.5 | 0.128 | 6.56 | 387 |
| Bexar | AY-68-28-313 | 12/07/11 | 105 | 6.65 | 2.43 | 1.35 | 16.2 | 13.5 | 0.0590J | 6.31 | 398 |
| Bexar | AY-68-28-407 | 02/15/11 | 94.8 | 8.87 | 8.95 | 0.819J | 15.5 | 9.25 | 0.110 | 5.78 | 318 |
| Bexar | AY-68-28-513 | 04/27/11 | 117 | 10.8 | 5.81 | 1.17 | 27.1 | 14.5 | 0.0710J | 6.00 | 407 |
| Bexar | AY-68-28-514 | 04/27/11 | 110 | 10.0 | 8.02 | 1.07 | 25.9 | 14.9 | 0.0822J | 5.93 | 400 |
| Bexar | AY-68-28-516 | 02/23/11 | 123 | 6.70 | 6.27 | 0.943J | 12.9 | 21.3 | 0.108 | 5.82 | 387 |
| Bexar | AY-68-28-608 Standpipe | 03/15/11 | 111 | 8.50 | 5.42 | 1.06 | 17.1 | 13.4 | 0.0727J | 5.95 | 349 |
| Bexar | AY-68-29-109 | 08/16/11 | 101 | 9.87 | 12.9 | 0.835J | 25.2 | 9.64 | 0.116 | 6.58 | 359 |
| Bexar | AY-68-29-112 | 08/18/11 | 110 | 15.5 | 25.3 | 0.892J | 46.6 | 11.6 | 0.145 | 6.36 | 464 |
| Bexar | AY-68-29-113 | 01/04/11 | 142 | 9.61 | 7.78 | 1.08 | 19.6 | 18.1 | 0.0964J | 6.88 | 451 |
| Bexar | AY-68-29-214 | 01/24/11 | 102 | 4.73 | 7.93 | 0.872J | 10.5 | 11.6 | 0.106 | 5.88 | 328 |
| Bexar | AY-68-29-216 | 02/14/11 | 101 | 4.99 | 7.96 | 1.27 | 10.2 | 7.66 | 0.0672J | 7.73 | 351 |
| Bexar | AY-68-29-217 | 02/16/11 | 112 | 6.74 | 9.72 | 0.990J | 9.40 | 7.70 | 0.121 | 5.98 | 319 |
| Bexar | AY-68-29-401 | 08/16/11 | 94.2 | 9.85 | 12.2 | 0.856J | 16.3 | 6.70 | 0.130 | 6.04 | 330 |
| Bexar | AY-68-29-418 | 01/25/11 | 128 | 9.75 | 9.38 | 0.932J | 26.2 | 12.6 | 0.102 | 6.96 | 411 |

**Table C-2. (cont.)** Analytical data for major ions from wells completed in the Edwards Aquifer, 2011

| County | 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-29-419 | 08/16/11 | 104 | 16.1 | 13.4 | 1.25 | 17.3 | 14.5 | 0.154 | 6.30 | 355 |
| Comal | DX-68-22-805 | 06/22/11 | *94.6 | *6.36 | *12.4 | *0.84 | *11.7 | *12.3 | *0.12 | 5.09 | *312 |
| Comal | DX-68-22-903 | 06/28/11 | *91.7 | *5.67 | *11.3 | *0.85 | *9.36 | *12.3 | *0.12 | 4.86 | *302 |
| Comal | DX-68-23-203 | 06/20/11 | *91.5 | *7.2 | *12.9 | *0.72 | *12.4 | *13.2 | *0.16 | 5.65 | *307 |
| Comal | DX-68-23-303 | 06/20/11 | *86.2 | *10.5 | *16.9 | *1.31 | *18.2 | *28.5 | *0.24 | 5.65 | *325 |
| Comal | DX-68-23-304 | 03/09/11 | 83.7 | 11.5 | 17.5 | 1.43 | 17.9 | 21.2 | 0.217 | 5.55 | 326 |
| Comal | DX-68-23-504 | 06/28/11 | *91.8 | *9.85 | *15.9 | *1.35 | *15.8 | NA | *0.2 | 5.37 | *333 |
| Comal | DX-68-30-221 | 06/28/11 | *107 | *10.9 | *9.65 | *1.52 | *13.6 | *14.3 | *0.15 | 6.16 | *358 |
| Comal | DX-68-30-225 | 06/22/11 | *107 | *10.7 | *10.5 | *1.34 | *17.5 | *13.2 | *0.14 | 6.02 | *350 |
| Hays | LR 67-01-505 | 11/01/11 | 77.5 | 5.48 | 16.7 | 0.797J | 10.2 | 17.7 | 0.144 | 5.36 | 318 |
| Hays | LR-67-01-704 | 09/21/11 | 61.6 | 6.28 | 36.2 | 1.06 | 10.4 | 55.9 | 0.288 | 4.98 | 325 |
| Hays | LR-67-01-7SF | 09/21/11 | 81.6 | 3.97 | 20.8 | 0.648J | 6.29 | 7.50 | 0.162 | 5.88 | 283 |
| Hays | LR-67-01-7SG | 09/21/11 | 60.8 | 3.95 | 30.8 | 0.624J | 7.22 | 6.42 | 0.464 | 5.63 | 251 |
| Hays | LR-67-01-810 | 09/20/11 | 98.4 | 11.4 | 18.1 | 1.38 | 20.6 | 25.8 | 0.157 | 5.41 | 348 |
| Hays | LR-67-01-8AR | 09/20/11 | 96.6 | 13.9 | 17.6 | 1.52 | 25.1 | 29.8 | 0.163 | 5.14 | 359 |
| Hays | LR-67-09-101 1 | 03/15/11 | 110 | 18.4 | 15.1 | 2.45 | 32.6 | 35.2 | 0.154 | 5.59 | 412 |
| Hays | LR-67-09-101 1 | 07/05/11 | 101 | 15.4 | 13.3 | 2.38 | 32.7 | 39.2 | 0.149 | 5.51 | 412 |
| Hays | LR-67-09-101 4 | 03/15/11 | 93.4 | 17.7 | 13.9 | 2.37 | 32.8 | 34.7 | 0.157 | 5.59 | 422 |
| Hays | LR-67-09-101 4 | 07/05/11 | 104 | 16.2 | 13.8 | 2.32 | 32.8 | 39.5 | 0.162 | 5.78 | 435 |
| Hays | LR-67-09-105 | 09/28/11 | 84.3 | 13.9 | 17.1 | 1.49 | 27.2 | 33.2 | 0.171 | 5.10 | 366 |
| Hays | LR-67-09-106 | 09/28/11 | 94.8 | 14.2 | 17.0 | 1.37 | 22.5 | 27.9 | 0.171 | 5.87 | 358 |
| Hays | LR-67-09-1HB | 09/27/11 | 90.8 | 7.28 | 16.0 | 1.01 | 12.6 | 18.5 | 0.177 | 5.77 | 332 |
| Hays | LR-68-08-902 | 09/21/11 | 67.3 | 17.2 | 32.7 | 0.849J | 52.4 | 9.27 | 0.205 | 5.28 | 326 |
| Kinney | RP-70-38-8MC | 11/09/11 | 73.1 | 5.86 | 1.50 | 0.556J | 11.3 | 5.30 | 0.0840J | 5.06 | 266 |
| Kinney | RP-70-38-9BS | 10/11/11 | 79.2 | 11.5 | 4.45 | 0.608J | 17.9 | 8.60 | 0.260 | 6.09 | 264 |
| Kinney | RP-70-38-9HC | 10/11/11 | 92.5 | 6.16 | 1.67 | 0.472J | 10.1 | 3.47 | 0.0794J | 5.68 | 266 |
| Kinney | RP-70-38-9JM | 10/11/11 | 77.8 | 5.53 | 3.35 | 0.705J | 9.16 | 3.31 | 0.0965J | 5.23 | 220 |
| Kinney | RP-70-38-9TW | 10/11/11 | 86.8 | 8.29 | 3.61 | 0.888J | 14.8 | 5.48 | 0.126 | 6.01 | 256 |

**Table C-2. (cont.)** Analytical data for major ions from wells completed in the Edwards Aquifer, 2011

| County | 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Kinney | RP-70-45-601 | 10/10/11 | 72.2 | 5.83 | 5.17 | 0.775J | 9.19 | 13.6 | 0.213 | 5.31 | 228 |
| Kinney | RP-70-46-5AK | 10/10/11 | 83.4 | 10.5 | 6.06 | 1.33 | 15.9 | 20.3 | 0.601 | 6.59 | 271 |
| Kinney | RP-70-46-802 | 10/10/11 | 85.8 | 6.18 | 4.02 | 0.992J | 9.09 | 5.91 | 0.178 | 5.59 | 250 |
| Kinney | RP-70-46-8DS | 10/10/11 | 130 | 14.5 | 14.3 | 2.15 | 22.5 | 30.1 | 0.254 | 8.11 | 434 |
| Kinney | RP-70-47-9GR | 10/10/11 | 106 | 47.2 | 42.9 | 8.85 | 73.3 | 92.1 | 1.47 | 9.30 | 623 |
| Medina | TD-68-33-502 | 06/21/11 | *70.7 | *7.04 | *16.4 | *1.21 | *10.9 | *42.2 | *0.2 | 5.37 | *285 |
| Medina | TD-68-41-102 | 06/27/11 | *68.4 | *9.19 | *15.6 | *1.05 | *18.1 | *16.2 | *0.19 | 5.46 | *274 |
| Medina | TD-68-41-303 | 06/27/11 | *70.9 | *10.3 | *15.1 | *1.09 | *20.2 | *16.6 | *0.19 | 5.37 | *276 |
| Medina | TD-68-41-901 | 06/27/11 | *68.4 | *9.97 | *15.8 | *1.04 | *23.4 | *16.2 | *0.21 | 5.37 | *275 |
| Medina | TD-68-42-506 | 06/29/11 | NA | *10.3 | *15.7 | *1.04 | *23.5 | *14.5 | *0.21 | 5.46 | *274 |
| Medina | TD-68-42-806 | 06/23/11 | *66.3 | *9.68 | *16.4 | *0.98 | *21.5 | *18.4 | *1.51 | 5.88 | *271 |
| Medina | TD-68-49-201 | 06/23/11 | *68.9 | *11.6 | *15.7 | *1.09 | *25.6 | *18.3 | *0.23 | 5.46 | *285 |
| Medina | TD-68-49-301 | 06/29/11 | NA | *9.29 | *19.3 | *1.02 | *19.3 | *21.9 | *0.56 | 5.93 | *272 |
| Medina | TD-69-47-303 | 06/29/11 | *67.3 | *7.97 | *16.5 | *1.07 | *13.2 | *16.9 | *0.21 | 5.65 | *269 |
| Medina | TD-69-55-604 | 06/21/11 | *75.6 | *10.9 | *14.4 | *0.96 | 26.0 | *16.2 | *0.17 | 5.60 | *291 |
| Uvalde | YP 69-43-9SC | 11/07/11 | 42.4 | 28.5 | 17.4 | 2.96 | 44.5 | 153 | 2.16 | 6.64 | 545 |
| Uvalde | YP-69-35-602 | 03/14/11 | 53.6 | 6.67 | 17.1 | 1.06 | 11.5 | 12.2 | 0.0850J | 5.75 | 263 |
| Uvalde | YP-69-35-602 | 06/28/11 | 55.1 | 5.67 | 16.1 | 0.924J | 12.0 | 14.2 | 0.110 | 5.57 | 243 |
| Uvalde | YP-69-42-606 | 10/26/11 | 77.3 | 14.3 | 8.07 | 0.881J | 42.4 | 9.40 | 0.142 | 5.35 | 301 |
| Uvalde | YP-69-43-407 | 10/26/11 | 71.3 | 11.6 | 6.64 | 0.784J | 21.3 | 8.36 | 0.137 | 5.41 | 283 |
| Uvalde | YP-69-45-405 | 07/12/11 | NA | *8.42 | *13.5 | *0.94 | *11.6 | *18.3 | *0.2 | 5.65 | *273 |
| Uvalde | YP-69-50-207 | 07/13/11 | *82.7 | *12.7 | *9.53 | *0.85 | *25.8 | *15.9 | *0.12 | 5.42 | *298 |
| Uvalde | YP-69-50-624 | 10/26/11 | 89.7 | 27.4 | 10.2 | 0.995J | 37.5 | 28.5 | 0.175 | 6.61 | 361 |
| Uvalde | YP-69-51-114 | 07/12/11 | *124 | 35.0 | *13.4 | *1.16 | *83.8 | *48.8 | *0.56 | 7.47 | *505 |

* = Sample collected by the Authority and analyzed by the TWDB.
NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-3.** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) | Cadmium (µg/L) | Chromium (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-27-303-1 | 03/16/11 | <50.00 | <5.00 | <5.00 | 33.3 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-27-303-1 | 07/06/11 | <50.00 | <5.00 | <5.00 | 31.6 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-27-303-2 | 03/16/11 | <50.00 | <5.00 | <5.00 | 34.9 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-27-303-2 | 07/06/11 | <50.00 | <5.00 | <5.00 | 32.2 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-27-303-2 | 12/20/11 | <50.00 | <5.00 | <5.00 | 30.00 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-27-610 | 01/20/11 | <50.00 | <5.00 | <5.00 | 29.4 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-27-612 | 02/08/11 | <50.00 | <5.00 | <5.00 | 42.2 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-27-6SK | 12/15/11 | <50.00 | <5.00 | <5.00 | 29.4 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-113 | 01/20/11 | <50.00 | <5.00 | 2.007J | 27.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-203 | 04/27/11 | <50.00 | <5.00 | <5.00 | 56.4 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-205 | 04/27/11 | <50.00 | <5.00 | <5.00 | 42.5 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-211 | 08/22/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Bexar | AY-68-28-313 | 03/16/11 | <50.00 | <5.00 | <5.00 | 60.7 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-313 | 06/30/11 | <50.00 | <5.00 | 1.82J | 61.9 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-313 | 12/07/11 | <50.00 | <5.00 | <5.00 | 55.3 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-407 | 02/15/11 | <50.00 | <5.00 | <5.00 | 39.3 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-513 | 04/27/11 | <50.00 | <5.00 | <5.00 | 37.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-514 | 04/27/11 | <50.00 | <5.00 | <5.00 | 39.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-516 | 02/23/11 | <50.00 | <5.00 | <5.00 | 40.9 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-28-608 Standpipe | 03/15/11 | <50.00 | <5.00 | <5.00 | 38.4 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-109 | 08/16/11 | <50.00 | <5.00 | <5.00 | 40.4 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-112 | 08/18/11 | <50.00 | <5.00 | <5.00 | 47.3 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-113 | 01/04/11 | 344 | <5.00 | <5.00 | 89.9 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-214 | 01/24/11 | <50.00 | <5.00 | <5.00 | 31.7 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-216 | 02/14/11 | <50.00 | <5.00 | <5.00 | 30.8 | <4.00 | NA | NA | <2.00 | <5.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) | Cadmium (µg/L) | Chromium (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-29-217 | 02/16/11 | <50.00 | <5.00 | <5.00 | 37.2 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-401 | 08/16/11 | <50.00 | <5.00 | <5.00 | 36.00 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-418 | 01/25/11 | <50.00 | <5.00 | 1.12J | 44.2 | <4.00 | NA | NA | <2.00 | <5.00 |
| Bexar | AY-68-29-419 | 08/16/11 | <50.00 | <5.00 | 1.54J | 37.00 | <4.00 | NA | NA | <2.00 | <5.00 |
| Comal | DX-68-22-805 | 06/22/11 | *<4.00 | *<1.00 | *<2.00 | *33.4 | *<1.00 | *<100 | *0.004 | *<1.00 | *4.8 |
| Comal | DX-68-22-903 | 06/28/11 | *<4.00 | *<1.00 | *<2.00 | *30.3 | *<1.00 | *<100 | *0.006 | *<1.00 | *5.6 |
| Comal | DX-68-23-203 | 06/20/11 | *<4.00 | *<1.00 | *<2.00 | *36.7 | *<1.00 | *<100 | *0.008 | *<1.00 | *4.8 |
| Comal | DX-68-23-303 | 06/20/11 | *<4.00 | *<1.00 | *<2.00 | *55.9 | *<1.00 | 65 | *0.10 | *<1.00 | *4.3 |
| Comal | DX-68-23-304 | 03/09/11 | <50.00 | <5.00 | <5.00 | 59.2 | <4.00 | NA | NA | <2.00 | <5.00 |
| Comal | DX-68-23-504 | 06/28/11 | *<4.00 | *<1.00 | *<2.00 | *44.5 | *<1.00 | *<100 | *0.008 | *<1.00 | *5.5 |
| Comal | DX-68-30-221 | 06/28/11 | *<4.00 | *<1.00 | *<2.00 | *43.6 | *<1.00 | 59 | *0.11 | *<1.00 | *4.8 |
| Comal | DX-68-30-225 | 06/22/11 | *<4.00 | *<1.00 | *<2.00 | *42.00 | *<1.00 | *<100 | *0.009 | *<1.00 | *5.2 |
| Hays | LR 67-01-505 | 11/01/11 | <50.00 | <5.00 | <5.00 | 26.7 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-01-704 | 09/21/11 | <50.00 | <5.00 | <5.00 | 25.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-01-7SF | 09/21/11 | <50.00 | <5.00 | <5.00 | 30.7 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-01-7SG | 09/21/11 | <50.00 | <5.00 | <5.00 | 28.9 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-01-810 | 09/20/11 | <50.00 | <5.00 | <5.00 | 41.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-01-8AR | 09/20/11 | <50.00 | <5.00 | <5.00 | 41.2 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-09-101 1 | 03/15/11 | <50.00 | <5.00 | 1.13J | 39.00 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-09-101 1 | 07/05/11 | <50.00 | <5.00 | <5.00 | 40.3 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-09-101 4 | 03/15/11 | <50.00 | <5.00 | <5.00 | 36.4 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-09-101 4 | 07/05/11 | <50.00 | <5.00 | <5.00 | 38.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-09-105 | 09/28/11 | <50.00 | <5.00 | <5.00 | 39.1 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-09-106 | 09/28/11 | <50.00 | <5.00 | <5.00 | 42.6 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-67-09-1HB | 09/27/11 | 30.6J | <5.00 | <5.00 | 36.00 | <4.00 | NA | NA | <2.00 | <5.00 |
| Hays | LR-68-08-902 | 09/21/11 | <50.00 | <5.00 | <5.00 | 35.2 | <4.00 | NA | NA | <2.00 | <5.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) | Cadmium (µg/L) | Chromium (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Kinney | RP-70-38-8MC | 11/09/11 | <50.00 | <5.00 | 1.43J | 43.5 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-38-9BS | 10/11/11 | <50.00 | <5.00 | <5.00 | 92.2 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-38-9HC | 10/11/11 | <50.00 | <5.00 | <5.00 | 43.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-38-9JM | 10/11/11 | <50.00 | <5.00 | <5.00 | 41.4 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-38-9TW | 10/11/11 | <50.00 | <5.00 | <5.00 | 59.1 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-45-505 | 11/08/11 | <50.00 | <5.00 | 1.25J | 45.5 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-45-601 | 10/10/11 | <50.00 | <5.00 | <5.00 | 51.00 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-46-5AK | 10/10/11 | <50.00 | <5.00 | <5.00 | 160 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-46-802 | 10/10/11 | <50.00 | <5.00 | 1.24J | 359 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-46-8DS | 10/10/11 | <50.00 | <5.00 | <5.00 | 143 | <4.00 | NA | NA | <2.00 | <5.00 |
| Kinney | RP-70-47-9GR | 10/10/11 | <50.00 | <5.00 | 1.75J | 61.6 | <4.00 | NA | NA | <2.00 | <5.00 |
| Medina | TD-68-33-502 | 06/21/11 | *<4.00 | *<1.00 | *<2.00 | *34.4 | *<1.00 | *<100 | *0.008 | *<1.00 | *3.4 |
| Medina | TD-68-41-102 | 06/27/11 | *<4.00 | *<1.00 | *<2.00 | *49.4 | *<1.00 | *<100 | *0.008 | *<1.00 | *3.1 |
| Medina | TD-68-41-303 | 06/27/11 | *<4.00 | *<1.00 | *<2.00 | *48.5 | *<1.00 | *<100 | *0.009 | *<1.00 | *3.1 |
| Medina | TD-68-41-901 | 06/27/11 | *<4.00 | *<1.00 | *<2.00 | *85.2 | *<1.00 | *<100 | *0.10 | *<1.00 | *2.8 |
| Medina | TD-68-42-506 | 06/29/11 | *<4.00 | *<1.00 | *<2.00 | *68.3 | *<1.00 | *<100 | *0.10 | *<1.00 | *3.2 |
| Medina | TD-68-42-806 | 06/23/11 | *<4.00 | *<1.00 | *<2.00 | *96.1 | *<1.00 | *<100 | *0.009 | *<1.00 | *3.5 |
| Medina | TD-68-49-201 | 06/23/11 | *<4.00 | *<1.00 | *<2.00 | *118 | *<1.00 | *<100 | *0.10 | *<1.00 | *3.1 |
| Medina | TD-68-49-301 | 06/29/11 | *<4.00 | *<1.00 | *<2.00 | *159 | *<1.00 | *<100 | *0.008 | *<1.00 | *3.2 |
| Medina | TD-69-47-303 | 06/29/11 | *<4.00 | *<1.00 | *<2.00 | *44.3 | *<1.00 | *<100 | *0.006 | *<1.00 | *3.2 |
| Medina | TD-69-55-604 | 06/21/11 | 1.00 | *<1.00 | *<2.00 | *55.00 | *<1.00 | *<100 | *0.11 | *<1.00 | *3.8 |
| Uvalde | YP 69-43-9SC | 11/07/11 | <50.00 | <5.00 | 2.51J | 55.3 | <4.00 | NA | NA | <2.00 | <5.00 |
| Uvalde | YP-69-35-602 | 03/14/11 | <50.00 | <5.00 | <5.00 | 35.7 | <4.00 | NA | NA | <2.00 | <5.00 |
| Uvalde | YP-69-35-602 | 06/28/11 | <50.00 | <5.00 | <5.00 | 34.8 | <4.00 | NA | NA | <2.00 | <5.00 |
| Uvalde | YP-69-42-606 | 10/26/11 | <50.00 | <5.00 | 1.84J | 46.5 | <4.00 | NA | NA | <2.00 | <5.00 |
| Uvalde | YP-69-43-407 | 10/26/11 | <50.00 | <5.00 | 1.52J | 38.7 | <4.00 | NA | NA | <2.00 | <5.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) | Cadmium (µg/L) | Chromium (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uvalde | YP-69-45-405 | 07/12/11 | *<4.00 | *<1.00 | *<2.00 | *37.9 | *<1.00 | 62 | *0.006 | *<1.00 | *1.4 |
| Uvalde | YP-69-50-207 | 07/13/11 | *<4.00 | *<1.00 | *<2.00 | *51.5 | *<1.00 | 59 | *0.10 | *<1.00 | *<1.00 |
| Uvalde | YP-69-50-624 | 10/26/11 | <50.00 | <5.00 | 1.60J | 69.1 | <4.00 | NA | NA | <2.00 | <5.00 |
| Uvalde | YP-69-51-114 | 07/12/11 | *<4.00 | *<1.00 | *<2.00 | *106 | *<1.00 | *124 | *0.28 | *<1.00 | *2.1 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-27-303-1 | 03/16/11 | NA | <10.00 | <250 | <5.00 | NA | 16.4J | 0.000364J | NA | <5.00 |
| Bexar | AY-68-27-303-1 | 07/06/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-27-303-2 | 03/16/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | 0.000355J | NA | <5.00 |
| Bexar | AY-68-27-303-2 | 07/06/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-27-303-2 | 12/20/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-27-610 | 01/20/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-27-612 | 02/08/11 | NA | 1.54J | <250 | <5.00 | NA | <50.00 | 0.000664J | NA | 3.89J |
| Bexar | AY-68-27-6SK | 12/15/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-28-113 | 01/20/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-28-203 | 04/27/11 | NA | 5.001J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-28-205 | 04/27/11 | NA | 3.80J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-28-211 | 08/22/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Bexar | AY-68-28-313 | 03/16/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | 0.000180J | NA | <5.00 |
| Bexar | AY-68-28-313 | 06/30/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-28-313 | 12/07/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | 0.000173J | NA | <5.00 |
| Bexar | AY-68-28-407 | 02/15/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | 0.000135J | NA | <5.00 |
| Bexar | AY-68-28-513 | 04/27/11 | NA | 3.43J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-28-514 | 04/27/11 | NA | 1.41J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-28-516 | 02/23/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | 0.000134J | NA | <5.00 |
| Bexar | AY-68-28-608 Standpipe | 03/15/11 | NA | <10.00 | 423 | <5.00 | NA | <50.00 | 0.000258J | NA | <5.00 |
| Bexar | AY-68-29-109 | 08/16/11 | NA | 4.23J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-29-112 | 08/18/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-29-113 | 01/04/11 | NA | <10.00 | 326 | <5.00 | NA | 63.1 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-29-214 | 01/24/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-29-216 | 02/14/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-29-217 | 02/16/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-29-401 | 08/16/11 | NA | 2.62J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-29-418 | 01/25/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Bexar | AY-68-29-419 | 08/16/11 | NA | 4.49J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Comal | DX-68-22-805 | 06/22/11 | NA | *4.6 | *<30 | *<1.00 | *2.1 | *<1.00 | *<0.2 | *<1.00 | NA |
| Comal | DX-68-22-903 | 06/28/11 | NA | *1.5 | *<30 | *<1.00 | *2.5 | *<1.00 | *<0.2 | *<1.00 | NA |
| Comal | DX-68-23-203 | 06/20/11 | NA | *2.5 | *<30 | *<1.00 | *2.2 | *<1.00 | *<0.2 | *<1.00 | NA |
| Comal | DX-68-23-303 | 06/20/11 | NA | *4.2 | *<30 | *2.5 | *5.9 | *<1.00 | *<0.2 | *<1.00 | NA |
| Comal | DX-68-23-304 | 03/09/11 | NA | <10.00 | <250 | 1.003J | NA | <50.00 | <0.00200 | NA | <5.00 |
| Comal | DX-68-23-504 | 06/28/11 | NA | *2.3 | *<30 | *3.8 | *5.9 | *<1.00 | *<0.2 | *<1.00 | NA |
| Comal | DX-68-30-221 | 06/28/11 | NA | *2.4 | *<30 | *<1.00 | *4.5 | *<1.00 | *<0.2 | *<1.00 | NA |
| Comal | DX-68-30-225 | 06/22/11 | NA | *1.8 | *<30 | *<1.00 | *3.8 | *<1.00 | *<0.2 | *<1.00 | NA |
| Hays | LR 67-01-505 | 11/01/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-01-704 | 09/21/11 | NA | 3.009J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | 3.00J |
| Hays | LR-67-01-7SF | 09/21/11 | NA | 3.25J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-01-7SG | 09/21/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-01-810 | 09/20/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-01-8AR | 09/20/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-09-101 1 | 03/15/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-09-101 1 | 07/05/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-09-101 4 | 03/15/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-09-101 4 | 07/05/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-09-105 | 09/28/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-09-106 | 09/28/11 | NA | 4.19J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-67-09-1HB | 09/27/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Hays | LR-68-08-902 | 09/21/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Kinney | RP-70-38-8MC | 11/09/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | 0.000149J | NA | <5.00 |
| Kinney | RP-70-38-9BS | 10/11/11 | NA | 8.00J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-38-9HC | 10/11/11 | NA | 6.44J | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-38-9JM | 10/11/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-38-9TW | 10/11/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-45-505 | 11/08/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-45-601 | 10/10/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-46-5AK | 10/10/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-46-802 | 10/10/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-46-8DS | 10/10/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | NA | <5.00 |
| Kinney | RP-70-47-9GR | 10/10/11 | NA | <10.00 | 283 | 1.83J | NA | <50.00 | <0.00200 | NA | 2.43J |
| Medina | TD-68-33-502 | 06/21/11 | NA | *1.60 | *<30 | *<1.00 | *4.20 | *<1.00 | *<0.20 | *<1.00 | NA |
| Medina | TD-68-41-102 | 06/27/11 | NA | *1.400 | *<30 | *<1.00 | *3.60 | *<1.00 | *<0.20 | *<1.00 | *2.008 |
| Medina | TD-68-41-303 | 06/27/11 | NA | *<1.00 | *<30 | *<1.00 | *4.90 | *<1.00 | *<0.20 | *<1.00 | NA |
| Medina | TD-68-41-901 | 06/27/11 | NA | *5.80 | *<30 | *2.80 | *3.90 | *<1.00 | *<0.20 | *<1.00 | NA |
| Medina | TD-68-42-506 | 06/29/11 | NA | *<1.00 | *<30 | *<1.00 | *3.80 | *<1.00 | *<0.20 | *<1.00 | NA |
| Medina | TD-68-42-806 | 06/23/11 | NA | *2.90 | *<30 | *<1.00 | *4.00 | *<1.00 | *<0.20 | *36.9 | NA |
| Medina | TD-68-49-201 | 06/23/11 | NA | *3.00 | *<30 | *<1.00 | *4.40 | *<1.00 | *<0.20 | *<1.00 | NA |
| Medina | TD-68-49-301 | 06/29/11 | NA | *1.80 | *<30 | *<1.00 | *4.50 | *<1.00 | *<0.20 | *8.00 | NA |
| Medina | TD-69-47-303 | 06/29/11 | NA | *3.00 | *<30 | *<1.00 | *3.30 | *<1.00 | *<0.20 | *<1.00 | NA |
| Medina | TD-69-55-604 | 06/21/11 | NA | *2.30 | *<30 | *<1.00 | *3.10 | *<1.00 | *<0.20 | *<1.00 | NA |
| Uvalde | YP 69-43-9SC | 11/07/11 | NA | <10.00 | 347 | <5.00 | NA | <50.00 | <0.0020 | NA | <5.00 |
| Uvalde | YP-69-35-602 | 03/14/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.0020 | NA | <5.00 |
| Uvalde | YP-69-35-602 | 06/28/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.0020 | NA | <5.00 |
| Uvalde | YP-69-42-606 | 10/26/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | 0.000160J | NA | <5.00 |
| Uvalde | YP-69-43-407 | 10/26/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.0020 | NA | <5.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uvalde | YP-69-45-405 | 07/12/11 | NA | *1.8 | *<30 | NA | *3.4 | *<1.00 | *<0.2 | *<1.00 | NA |
| Uvalde | YP-69-50-207 | 07/13/11 | NA | *1.4 | *<30 | NA | *2.7 | *<1.00 | *<0.2 | *<1.00 | NA |
| Uvalde | YP-69-50-624 | 10/26/11 | NA | <10.00 | <250 | <5.00 | NA | <50.00 | <0.00200 | *<1.00 | <5.00 |
| Uvalde | YP-69-51-114 | 07/12/11 | NA | *3.8 | *<30 | NA | *8.5 | *<1.00 | *<0.2 | *2.1 | NA |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-27-303-1 | 03/16/11 | <5.00 | 5.002 | <5.00 | 202 | <1.00 | NA | <25.00 |
| Bexar | AY-68-27-303-1 | 07/06/11 | <5.00 | 4.73 | <5.00 | 216 | <1.00 | NA | <25.00 |
| Bexar | AY-68-27-303-2 | 03/16/11 | <5.00 | 4.99 | <5.00 | 214 | <1.00 | NA | <25.00 |
| Bexar | AY-68-27-303-2 | 07/06/11 | <5.00 | 5.22 | <5.00 | 215 | <1.00 | NA | <25.00 |
| Bexar | AY-68-27-303-2 | 12/20/11 | <5.00 | 4.47 | <5.00 | 233 | <1.00 | NA | <25.00 |
| Bexar | AY-68-27-610 | 01/20/11 | <5.00 | 7.002 | <5.00 | 328 | <1.00 | NA | <25.00 |
| Bexar | AY-68-27-612 | 02/08/11 | <5.00 | 5.50 | <5.00 | 202 | <1.00 | NA | 38.40 |
| Bexar | AY-68-27-6SK | 12/15/11 | <5.00 | 5.76 | <5.00 | 229 | 1.27 | NA | 220 |
| Bexar | AY-68-28-113 | 01/20/11 | <5.00 | 4.66 | <5.00 | 89.3 | <1.00 | NA | 3.98J |
| Bexar | AY-68-28-203 | 04/27/11 | <5.00 | 6.30 | <5.00 | 125 | <1.00 | NA | 5.18J |
| Bexar | AY-68-28-205 | 04/27/11 | <5.00 | 5.95 | <5.00 | 647 | 1.36 | NA | 34.90 |
| Bexar | AY-68-28-211 | 08/22/11 | NA | 5.68 | NA | 160 | NA | NA | NA |
| Bexar | AY-68-28-313 | 03/16/11 | <5.00 | 6.55 | <5.00 | 84.5 | <1.00 | NA | <25.00 |
| Bexar | AY-68-28-313 | 06/30/11 | 1.44J | 6.56 | <5.00 | 95.4 | <1.00 | NA | <25.00 |
| Bexar | AY-68-28-313 | 12/07/11 | <5.00 | 6.31 | <5.00 | 79.6 | <1.00 | NA | <25.00 |
| Bexar | AY-68-28-407 | 02/15/11 | 1.27J | 5.78 | <5.00 | 168 | 1.46 | NA | 3.78J |
| Bexar | AY-68-28-513 | 04/27/11 | <5.00 | 6.00 | <5.00 | 160 | 0.721J | NA | <25.00 |
| Bexar | AY-68-28-514 | 04/27/11 | <5.00 | 5.93 | <5.00 | 258 | <1.00 | NA | <25.00 |
| Bexar | AY-68-28-516 | 02/23/11 | <5.00 | 5.82 | <5.00 | 154 | <1.00 | NA | <25.00 |
| Bexar | AY-68-28-608 Standpipe | 03/15/11 | <5.00 | 5.95 | <5.00 | 148 | <1.00 | NA | 33.60 |
| Bexar | AY-68-29-109 | 08/16/11 | <5.00 | 6.58 | <5.00 | 279 | <1.00 | NA | 4.00J |
| Bexar | AY-68-29-112 | 08/18/11 | <5.00 | 6.36 | <5.00 | 126 | <1.00 | NA | <25.00 |
| Bexar | AY-68-29-113 | 01/04/11 | <5.00 | 6.88 | <5.00 | 140 | <1.00 | NA | <25.00 |
| Bexar | AY-68-29-214 | 01/24/11 | <5.00 | 5.88 | <5.00 | 118 | 1.009 | NA | <25.00 |
| Bexar | AY-68-29-216 | 02/14/11 | <5.00 | 7.73 | <5.00 | 104 | <1.00 | NA | <25.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Bexar | AY-68-29-217 | 02/16/11 | <5.00 | 5.98 | <5.00 | 91.9 | <1.00 | NA | <25.00 |
| Bexar | AY-68-29-401 | 08/16/11 | <5.00 | 6.004 | <5.00 | 154 | <1.00 | NA | 3.90J |
| Bexar | AY-68-29-418 | 01/25/11 | <5.00 | 6.96 | <5.00 | 134 | <1.00 | NA | <25.00 |
| Bexar | AY-68-29-419 | 08/16/11 | <5.00 | 6.30 | <5.00 | 275 | <1.00 | NA | 42.2 |
| Comal | DX-68-22-805 | 06/22/11 | NA | *5.009 | NA | *149 | NA | *3.2 | NA |
| Comal | DX-68-22-903 | 06/28/11 | NA | *4.86 | NA | *141 | NA | *3.5 | NA |
| Comal | DX-68-23-203 | 06/20/11 | NA | *5.65 | NA | *672 | NA | *3.4 | NA |
| Comal | DX-68-23-303 | 06/20/11 | NA | *5.65 | *1.2 | *652 | NA | *3.7 | *41.1 |
| Comal | DX-68-23-304 | 03/09/11 | <5.00 | 5.55 | <5.00 | 742 | <1.00 | NA | <25.00 |
| Comal | DX-68-23-504 | 06/28/11 | NA | *5.37 | NA | *476 | NA | *3.4 | NA |
| Comal | DX-68-30-221 | 06/28/11 | NA | *6.16 | NA | *202 | NA | *3.6 | NA |
| Comal | DX-68-30-225 | 06/22/11 | NA | *6.002 | NA | *199 | NA | *3.5 | *13.4 |
| Hays | LR 67-01-505 | 11/01/11 | <5.00 | 5.36 | <5.00 | 251 | <1.00 | NA | 12.2J |
| Hays | LR-67-01-704 | 09/21/11 | <5.00 | 4.98 | <5.00 | 2640 | <1.00 | NA | 240 |
| Hays | LR-67-01-7SF | 09/21/11 | <5.00 | 5.88 | <5.00 | 143 | <1.00 | NA | 13.00J |
| Hays | LR-67-01-7SG | 09/21/11 | <5.00 | 5.63 | <5.00 | 433 | <1.00 | NA | 5.39J |
| Hays | LR-67-01-810 | 09/20/11 | <5.00 | 5.41 | <5.00 | 531 | <1.00 | NA | <25.00 |
| Hays | LR-67-01-8AR | 09/20/11 | <5.00 | 5.14 | <5.00 | 585 | <1.00 | NA | <25.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Kinney | RP-70-38-8MC | 11/09/11 | 3.98J | 5.006 | <5.00 | 145 | <1.00 | NA | 22.4J |
| Kinney | RP-70-38-9BS | 10/11/11 | <5.00 | 6.009 | <5.00 | 294 | <1.00 | NA | 164 |
| Kinney | RP-70-38-9HC | 10/11/11 | <5.00 | 5.68 | <5.00 | 87.3 | <1.00 | NA | 368 |
| Kinney | RP-70-38-9JM | 10/11/11 | <5.00 | 5.23 | <5.00 | 95.1 | <1.00 | NA | 8.80J |
| Kinney | RP-70-38-9TW | 10/11/11 | <5.00 | 6.001 | <5.00 | 123 | <1.00 | NA | 617 |
| Kinney | RP-70-45-505 | 11/08/11 | 8.35 | 5.36 | <5.00 | 1460 | <1.00 | NA | 7.50J |
| Kinney | RP-70-45-601 | 10/10/11 | <5.00 | 5.31 | <5.00 | 2300 | 0.955J | NA | <25.00 |
| Kinney | RP-70-46-5AK | 10/10/11 | <5.00 | 6.59 | <5.00 | 1260 | <1.00 | NA | 38.9 |
| Kinney | RP-70-46-802 | 10/10/11 | 3.23J | 5.59 | <5.00 | 544 | <1.00 | NA | <25.00 |
| Kinney | RP-70-46-8DS | 10/10/11 | <5.00 | 8.11 | <5.00 | 626 | <1.00 | NA | <25.00 |
| Kinney | RP-70-47-9GR | 10/10/11 | <5.00 | 9.30 | <5.00 | 1770 | <1.00 | NA | 60.8 |
| Medina | TD-68-33-502 | 06/21/11 | NA | *5.37 | NA | *548 | NA | *2.8 | NA |
| Medina | TD-68-41-102 | 06/27/11 | NA | *5.46 | NA | *661 | NA | *3.5 | *4.2 |
| Medina | TD-68-41-303 | 06/27/11 | NA | *5.37 | NA | *501 | NA | *3.5 | NA |
| Medina | TD-68-41-903 | 06/27/11 | NA | *5.37 | NA | *1410 | NA | *3.9 | *4.7 |
| Medina | TD-68-42-506 | 06/29/11 | NA | *5.46 | NA | *1160 | NA | *3.9 | NA |
| Medina | TD-68-42-806 | 06/23/11 | NA | *5.88 | NA | *2070 | NA | *9.4 | *7.9 |
| Medina | TD-68-49-201 | 06/23/11 | NA | *5.46 | NA | 200 | NA | *3.7 | *4.1 |
| Medina | TD-68-49-301 | 06/29/11 | NA | *5.93 | NA | *582 | NA | *7.2 | NA |
| Medina | TD-69-47-303 | 06/29/11 | NA | *5.65 | NA | *352 | NA | *3.5 | NA |
| Medina | TD-69-55-604 | 06/21/11 | NA | *5.60 | NA | *846 | NA | *4.3 | NA |
| Uvalde | YP 69-43-9SC | 11/07/11 | <5.00 | 6.64 | <5.00 | 397 | <1.00 | NA | 11.00J |
| Uvalde | YP-69-35-602 | 03/14/11 | <5.00 | 5.75 | <5.00 | 398 | 0.808J | NA | <25.00 |
| Uvalde | YP-69-35-602 | 06/28/11 | <5.00 | 5.57 | <5.00 | 385 | <1.00 | NA | <25.00 |
| Uvalde | YP-69-42-606 | 10/26/11 | <5.00 | 5.35 | <5.00 | 209 | <1.00 | NA | <25.00 |
| Uvalde | YP-69-43-407 | 10/26/11 | <5.00 | 5.41 | <5.00 | 171 | <1.00 | NA | <25.00 |

**Table C-3. (cont.)** Analytical data for metals from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Uvalde | YP-69-45-405 | 07/12/11 | NA | *5.65 | NA | *320 | NA | *2.8 | *4.7 |
| Uvalde | YP-69-50-207 | 07/13/11 | NA | *5.42 | NA | *239 | NA | *5.2 | NA |
| Uvalde | YP-69-50-624 | 10/26/11 | 1.23J | 6.61 | <5.00 | 518 | <1.00 | NA | <25.00 |
| Uvalde | YP-69-51-114 | 07/12/11 | NA | *7.47 | NA | *3180 | *1.5 | *6.9 | *70.00 |

* = Sample collected by the Authority and analyzed by the TWDB.
NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-4.** Analytical data for nutrients from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Nitrate-N (mg/L) | Phosphorus (mg/L) |
|---|---|---|---|---|
| Bexar | AY-68-27-303-1 | 03/16/11 | 2.23 | NA |
| Bexar | AY-68-27-303-1 | 07/06/11 | 2.38 | NA |
| Bexar | AY-68-27-303-2 | 03/16/11 | 2.28 | NA |
| Bexar | AY-68-27-303-2 | 07/06/11 | 2.38 | NA |
| Bexar | AY-68-27-303-2 | 12/20/11 | 2.60 | NA |
| Bexar | AY-68-27-610 | 01/20/11 | 2.16 | NA |
| Bexar | AY-68-27-612 | 02/08/11 | 2.27 | NA |
| Bexar | AY-68-27-6SK | 12/15/11 | 2.25 | NA |
| Bexar | AY-68-28-113 | 01/20/11 | 1.59 | NA |
| Bexar | AY-68-28-203 | 04/27/11 | 3.06 | NA |
| Bexar | AY-68-28-205 | 04/27/11 | 1.62 | NA |
| Bexar | AY-68-28-211 | 08/22/11 | 1.69 | NA |
| Bexar | AY-68-28-313 | 03/16/11 | 2.16 | NA |
| Bexar | AY-68-28-313 | 06/30/11 | 2.30 | NA |
| Bexar | AY-68-28-313 | 12/07/11 | 2.65 | NA |
| Bexar | AY-68-28-407 | 02/15/11 | 1.57 | NA |
| Bexar | AY-68-28-513 | 04/27/11 | 2.32 | NA |
| Bexar | AY-68-28-514 | 04/27/11 | 1.82 | NA |
| Bexar | AY-68-28-516 | 02/23/11 | 1.22 | NA |
| Bexar | AY-68-28-608 Standpipe | 03/15/11 | 1.95 | NA |
| Bexar | AY-68-29-109 | 08/16/11 | 1.75 | NA |
| Bexar | AY-68-29-112 | 08/18/11 | 2.51 | NA |
| Bexar | AY-68-29-113 | 01/04/11 | 0.649 | NA |
| Bexar | AY-68-29-214 | 01/24/11 | 1.78 | NA |
| Bexar | AY-68-29-216 | 02/14/11 | 2.18 | NA |
| Bexar | AY-68-29-217 | 02/16/11 | 1.59 | NA |
| Bexar | AY-68-29-401 | 08/16/11 | 1.54 | NA |
| Bexar | AY-68-29-418 | 01/25/11 | 2.54 | NA |
| Bexar | AY-68-29-419 | 08/16/11 | 1.63 | NA |
| Comal | DX-68-22-805 | 06/22/11 | *1.61 | *<0.02 |
| Comal | DX-68-22-903 | 06/28/11 | *1.58 | *<0.02 |
| Comal | DX-68-23-203 | 06/20/11 | *2.27 | *0.037 |
| Comal | DX-68-23-303 | 06/20/11 | *1.83 | *<0.02 |
| Comal | DX-68-23-304 | 03/09/11 | 1.46 | <0.100 |
| Comal | DX-68-23-504 | 06/28/11 | *1.74 | *<0.02 |
| Comal | DX-68-30-221 | 06/28/11 | *5.14 | *<0.02 |
| Comal | DX-68-30-225 | 06/22/11 | *2.79 | *<0.02 |
| Hays | LR 67-01-505 | 11/01/11 | 1.04 | NA |
| Hays | LR-67-01-704 | 09/21/11 | 0.848 | NA |
| Hays | LR-67-01-7SF | 09/21/11 | 1.25 | NA |
| Hays | LR-67-01-7SG | 09/21/11 | 0.944 | NA |
| Hays | LR-67-01-810 | 09/20/11 | 1.43 | NA |
| Hays | LR-67-01-8AR | 09/20/11 | 1.43 | NA |
| Hays | LR-67-09-101 1 | 03/15/11 | 2.63 | NA |
| Hays | LR-67-09-101 1 | 07/05/11 | 2.61 | NA |
| Hays | LR-67-09-101 4 | 03/15/11 | 2.52 | NA |
| Hays | LR-67-09-101 4 | 07/05/11 | 2.55 | NA |

**Table C-4. (cont.)** Analytical data for nutrients from wells completed in the Edwards Aquifer, 2011

| County | Station Name | Date Sampled | Nitrate-N (mg/L) | Phosphorus (mg/L) |
|---|---|---|---|---|
| Hays | LR-67-09-105 | 09/28/11 | 1.48 | NA |
| Hays | LR-67-09-106 | 09/28/11 | 1.50 | NA |
| Hays | LR-67-09-1HB | 09/27/11 | 1.25 | NA |
| Hays | LR-68-08-902 | 09/21/11 | 0.950 | NA |
| Kinney | RP-70-38-8MC | 11/09/11 | 2.01 | NA |
| Kinney | RP-70-38-9BS | 10/11/11 | 1.25 | NA |
| Kinney | RP-70-38-9HC | 10/11/11 | 1.66 | NA |
| Kinney | RP-70-38-9JM | 10/11/11 | 1.59 | NA |
| Kinney | RP-70-38-9TW | 10/11/11 | 2.67 | NA |
| Kinney | RP-70-45-505 | 11/08/11 | 1.21 | NA |
| Kinney | RP-70-45-601 | 10/10/11 | 0.955 | NA |
| Kinney | RP-70-46-5AK | 10/10/11 | <0.500 | NA |
| Kinney | RP-70-46-802 | 10/10/11 | 1.34 | NA |
| Kinney | RP-70-46-8DS | 10/10/11 | 0.893 | NA |
| Kinney | RP-70-47-9GR | 10/10/11 | 0.121 | NA |
| Medina | TD-68-33-502 | 06/21/11 | *0.73 | *<0.02 |
| Medina | TD-68-41-102 | 06/27/11 | *1.71 | *<0.02 |
| Medina | TD-68-41-303 | 06/27/11 | *1.94 | *<0.02 |
| Medina | TD-68-41-901 | 06/27/11 | *1.96 | *<0.02 |
| Medina | TD-68-42-506 | 06/29/11 | *2.19 | *<0.02 |
| Medina | TD-68-42-806 | 06/23/11 | *1.10 | *<0.02 |
| Medina | TD-68-49-201 | 06/23/11 | *2.29 | *<0.02 |
| Medina | TD-68-49-301 | 06/29/11 | *1.40 | *<0.02 |
| Medina | TD-69-47-303 | 06/29/11 | *1.57 | *<0.02 |
| Medina | TD-69-55-604 | 06/21/11 | *2.56 | *<0.02 |
| Uvalde | YP 69-43-9SC | 11/07/11 | <0.500 | NA |
| Uvalde | YP-69-35-602 | 03/14/11 | 1.46 | NA |
| Uvalde | YP-69-35-602 | 06/28/11 | 1.77 | NA |
| Uvalde | YP-69-42-606 | 10/26/11 | 2.32 | NA |
| Uvalde | YP-69-43-407 | 10/26/11 | 1.78 | NA |
| Uvalde | YP-69-45-405 | 07/12/11 | *1.48 | *<0.02 |
| Uvalde | YP-69-50-207 | 07/13/11 | *2.34 | *<0.02 |
| Uvalde | YP-69-50-624 | 10/26/11 | 2.57 | NA |
| Uvalde | YP-69-51-114 | 07/12/11 | *5.19 | *<0.02 |

NA = Not Analyzed
* = Sample collected by the Authority and analyzed by the TWDB.

**Table C-5.** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 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-68-27-610 | 01/20/11 | <0.0485 | <0.0485 | <0.0485 | <0.971 | <0.971 | <0.971 | <0.971 | <0.971 |
| AY-68-27-612 | 02/08/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| AY-68-28-113 | 01/20/11 | <0.0476 | <0.0476 | <0.0476 | <0.952 | <0.952 | <0.952 | <0.952 | <0.952 |
| AY-68-28-203 | 04/27/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-205 | 04/27/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-407 | 02/15/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| AY-68-28-513 | 04/27/11 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 |
| AY-68-28-514 | 04/27/11 | <0.0526 | <0.0526 | <0.0526 | <1.05 | <1.05 | <1.05 | <1.05 | <1.05 |
| AY-68-28-516 | 02/23/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| AY-68-29-109 | 08/16/11 | <0.0505 | <0.0505 | <0.0505 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-113 | 01/04/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| AY-68-29-214 | 01/24/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| AY-68-29-216 | 02/14/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| AY-68-29-217 | 02/16/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| AY-68-29-401 | 08/16/11 | <0.0510 | <0.0510 | <0.0510 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-418 | 01/25/11 | <0.0476 | <0.0476 | <0.0476 | <0.952 | <0.952 | <0.952 | <0.952 | <0.952 |
| AY-68-29-419 | 08/16/11 | <0.0521 | <0.0521 | <0.0521 | <1.03 | <1.03 | <1.03 | <1.03 | <1.03 |
| DX-68-22-805 | 06/22/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-22-903 | 06/28/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 06/20/11 | <0.0515 | <0.0515 | <0.0515 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 09/08/11 | <0.0467 | <0.0467 | <0.0467 | NA | NA | NA | NA | NA |
| DX-68-23-303 | 06/20/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-303 | 09/08/11 | <0.0472 | <0.0472 | <0.0472 | NA | NA | NA | NA | NA |
| DX-68-23-304 | 03/09/11 | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 |
| DX-68-23-504 | 06/28/11 | <0.0500 | <0.0500 | <0.0500 | <1.06 | <1.06 | <1.06 | <1.06 | <1.06 |
| DX-68-30-221 | 06/28/11 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 |
| DX-68-30-225 | 06/22/11 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 |
| LR-67-01-704 | 09/21/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 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) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 |
| LR-67-01-7SG | 09/21/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 |
| LR-67-01-810 | 09/20/11 | <0.0476 | <0.0476 | <0.0476 | <0.952 | <0.952 | <0.952 | <0.952 | <0.952 |
| LR-67-01-8AR | 09/20/11 | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-09-105 | 09/28/11 | <0.0472 | <0.0472 | <0.0472 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-09-106 | 09/28/11 | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-09-1HB | 09/27/11 | <0.0476 | <0.0476 | <0.0476 | <0.952 | <0.952 | <0.952 | <0.952 | <0.952 |
| LR-68-08-902 | 09/21/11 | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 |
| TD-68-33-502 | 06/21/11 | <0.0500 | <0.0500 | <0.0500 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |
| TD-68-41-102 | 06/27/11 | <0.0500 | <0.0500 | <0.0500 | <1.030 | <1.030 | <1.030 | <1.030 | <1.030 |
| TD-68-41-303 | 06/27/11 | <0.0500 | <0.0500 | <0.0500 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |
| TD-68-41-901 | 06/27/11 | <0.0532 | <0.0532 | <0.0532 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |
| TD-68-42-506 | 06/29/11 | <0.0481 | <0.0481 | <0.0481 | <0.990 | <0.990 | <0.990 | <0.990 | <0.990 |
| TD-68-42-806 | 06/23/11 | <0.0500 | <0.0500 | <0.0500 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |
| TD-68-49-201 | 06/23/11 | <0.0500 | <0.0500 | <0.0500 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |
| TD-68-49-301 | 06/29/11 | <0.0500 | <0.0500 | <0.0500 | <1.020 | <1.020 | <1.020 | <1.020 | <1.020 |
| TD-69-47-303 | 06/29/11 | <0.0500 | <0.0500 | <0.0500 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |
| TD-69-55-604 | 06/21/11 | <0.0500 | <0.0500 | <0.0500 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |
| YP-69-45-405 | 07/12/11 | <0.0500 | <0.0500 | <0.0500 | <1.050 | <1.050 | <1.050 | <1.050 | <1.050 |
| YP-69-50-207 | 07/13/11 | <0.0500 | <0.0500 | <0.0500 | <0.952 | <0.952 | <0.952 | <0.952 | <0.952 |
| YP-69-51-114 | 07/12/11 | <0.0500 | <0.0500 | <0.0500 | <1.000 | <1.000 | <1.000 | <1.000 | <1.000 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aroclor 1254 (µg/L) | Aroclor 1260 (µg/L) | Aroclor 1262 (µg/L) | Aroclor 1268 (µg/L) | Azinphos methyl- (µg/L) | beta-BHC (µg/L) | Bolstar (Sulprofos) (µg/L) | Chlordane (technical) (µg/L) | Chloro-pyrifos (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <0.971 | <0.971 | <0.971 | <0.971 | <0.968 | <0.0485 | <0.968 | <0.485 | <0.968 |
| AY-68-27-612 | 02/08/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.970 | <0.0472 | <0.970 | <0.472 | <0.970 |
| AY-68-28-113 | 01/20/11 | <0.952 | <0.952 | <0.952 | <0.952 | <0.960 | <0.0476 | <0.960 | <0.476 | <0.960 |
| AY-68-28-203 | 04/27/11 | <1.00 | <1.00 | <1.00 | <1.000 | <1.01 | <0.0500 | <1.01 | <0.500 | <1.010 |
| AY-68-28-205 | 04/27/11 | <1.00 | <1.00 | <1.00 | <1.000 | <1.01 | <0.0500 | <1.01 | <0.500 | <1.010 |
| AY-68-28-407 | 02/15/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.958 | <0.0472 | <0.958 | <0.472 | <0.958 |
| AY-68-28-513 | 04/27/11 | <1.01 | <1.01 | <1.01 | <1.010 | <1.02 | <0.0500 | <1.02 | <0.500 | <1.020 |
| AY-68-28-514 | 04/27/11 | <1.05 | <1.05 | <1.05 | <1.050 | <1.06 | <0.0526 | <1.06 | <0.526 | <1.060 |
| AY-68-28-516 | 02/23/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.967 | <0.0472 | <0.967 | <0.472 | <0.967 |
| AY-68-29-109 | 08/16/11 | <1.00 | <1.00 | <1.00 | <1.000 | <1.02 | <0.0505 | <1.02 | <0.505 | <1.020 |
| AY-68-29-113 | 01/04/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.989 | <0.0472 | <0.989 | <0.472 | <0.989 |
| AY-68-29-214 | 01/24/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.990 | <0.0472 | <0.990 | <0.472 | <0.990 |
| AY-68-29-216 | 02/14/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.956 | <0.0472 | <0.956 | <0.472 | <0.956 |
| AY-68-29-217 | 02/16/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.967 | <0.0472 | <0.967 | <0.472 | <0.967 |
| AY-68-29-401 | 08/16/11 | <1.00 | <1.00 | <1.00 | <1.000 | <1.04 | <0.0510 | <1.04 | <0.510 | <1.040 |
| AY-68-29-418 | 01/25/11 | <0.952 | <0.952 | <0.952 | <0.952 | <0.959 | <0.0476 | <0.959 | <0.476 | <0.959 |
| AY-68-29-419 | 08/16/11 | <1.03 | <1.03 | <1.03 | <1.030 | <1.02 | <0.0521 | <1.02 | <0.521 | <1.020 |
| DX-68-22-805 | 06/22/11 | <1.00 | <1.00 | <1.00 | <1.000 | <0.975 | <0.0500 | <0.975 | <0.500 | <0.975 |
| DX-68-22-903 | 06/28/11 | <1.00 | <1.00 | <1.00 | <1.000 | <0.969 | <0.0500 | <0.969 | <0.500 | <0.969 |
| DX-68-23-203 | 06/20/11 | <1.00 | <1.00 | <1.00 | <1.000 | <0.988 | <0.0515 | <0.988 | <0.515 | <0.988 |
| DX-68-23-203 | 09/08/11 | NA | NA | NA | NA | NA | <0.0467 | NA | <0.467 | NA |
| DX-68-23-303 | 06/20/11 | <1.00 | <1.00 | <1.00 | <1.000 | <0.984 | <0.0500 | <0.984 | <0.500 | <0.984 |
| DX-68-23-303 | 09/08/11 | NA | NA | NA | NA | NA | <0.0472 | NA | <0.472 | NA |
| DX-68-23-304 | 03/09/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.973 | <0.0481 | <0.973 | <0.481 | <0.973 |
| DX-68-23-504 | 06/28/11 | <1.06 | <1.06 | <1.060 | <1.060 | <0.993 | <0.0500 | <0.993 | <0.500 | <0.993 |
| DX-68-30-221 | 06/28/11 | <1.01 | <1.01 | <1.010 | <1.010 | <0.963 | <0.0500 | <0.963 | <0.500 | <0.963 |
| DX-68-30-225 | 06/22/11 | <1.01 | <1.01 | <1.010 | <1.010 | <0.983 | <0.0500 | <0.983 | <0.500 | <0.983 |
| LR-67-01-704 | 09/21/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.0472 | <0.943 | <0.472 | <0.943 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aroclor 1254 (µg/L) | Aroclor 1260 (µg/L) | Aroclor 1262 (µg/L) | Aroclor 1268 (µg/L) | Azinphos methyl- (µg/L) | beta-BHC (µg/L) | Bolstar (Sulprofos) (µg/L) | Chlordane (technical) (µg/L) | Chloro-pyrifos (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.943 | <0.0481 | <0.943 | <0.481 | <0.943 |
| LR-67-01-7SG | 09/21/11 | <0.943 | <0.943 | <0.943 | <0.943 | <1.00 | <0.0472 | <1.00 | <0.472 | <1.00 |
| LR-67-01-810 | 09/20/11 | <0.952 | <0.952 | <0.952 | <0.952 | <0.943 | <0.0476 | <0.943 | <0.476 | <0.943 |
| LR-67-01-8AR | 09/20/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.943 | <0.0467 | <0.943 | <0.467 | <0.943 |
| LR-67-09-105 | 09/28/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.943 | <0.0472 | <0.943 | <0.472 | <0.943 |
| LR-67-09-106 | 09/28/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.943 | <0.0467 | <0.943 | <0.467 | <0.943 |
| LR-67-09-1HB | 09/27/11 | <0.952 | <0.952 | <0.952 | <0.952 | <0.943 | <0.0476 | <0.943 | <0.476 | <0.943 |
| LR-68-08-902 | 09/21/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.943 | <0.0481 | <0.943 | <0.481 | <0.943 |
| TD-68-33-502 | 06/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <0.987 | <0.0500 | <0.987 | <0.500 | <0.987 |
| TD-68-41-102 | 06/27/11 | <1.03 | <1.03 | <1.03 | <1.03 | <0.998 | <0.0500 | <0.998 | <0.500 | <0.998 |
| TD-68-41-303 | 06/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <0.999 | <0.0500 | <0.999 | <0.500 | <0.999 |
| TD-68-41-901 | 06/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <0.987 | <0.0532 | <0.987 | <0.532 | <0.987 |
| TD-68-42-506 | 06/29/11 | <0.990 | <0.990 | <0.990 | <0.990 | <0.977 | <0.0481 | <0.977 | <0.481 | <0.977 |
| TD-68-42-806 | 06/23/11 | <1.00 | <1.00 | <1.00 | <1.00 | <0.981 | <0.0500 | <0.981 | <0.500 | <0.981 |
| TD-68-49-201 | 06/23/11 | <1.00 | <1.00 | <1.00 | <1.00 | <0.989 | <0.0500 | <0.989 | <0.500 | <0.989 |
| TD-68-49-301 | 06/29/11 | <1.02 | <1.02 | <1.02 | <1.02 | <0.991 | <0.0500 | <0.991 | <0.500 | <0.991 |
| TD-69-47-303 | 06/29/11 | <1.00 | <1.00 | <1.00 | <1.00 | <0.992 | <0.0500 | <0.992 | <0.500 | <0.992 |
| TD-69-55-604 | 06/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <0.991 | <0.0500 | <0.991 | <0.500 | <0.991 |
| YP-69-45-405 | 07/12/11 | <1.05 | <1.05 | <1.05 | <1.05 | <1.01 | <0.0500 | <1.01 | <0.500 | <1.01 |
| YP-69-50-207 | 07/13/11 | <0.952 | <0.952 | <0.952 | <0.952 | <0.966 | <0.0500 | <0.966 | <0.500 | <0.966 |
| YP-69-51-114 | 07/12/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.0500 | <1.00 | <0.500 | <1.00 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Coumaphos (µg/L) | Dalapon (µg/L) | 2,4-D (mg/L) | 2,4-DB (µg/L) | 4,4'-DDD (µg/L) | 4,4'-DDE (µg/L) | 4,4'-DDT (µg/L) | delta-BHC (µg/L) | Demeton (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <0.968 | <9.71 | <0.485 | <0.485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <2.42 |
| AY-68-27-612 | 02/08/11 | <0.970 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.42 |
| AY-68-28-113 | 01/20/11 | <0.960 | <9.62 | <0.481 | <0.481 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <2.40 |
| AY-68-28-203 | 04/27/11 | <1.01 | <10.3 | <0.516 | <0.516 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <2.53 |
| AY-68-28-205 | 04/27/11 | <1.01 | <10.2 | <0.512 | <0.512 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <2.53 |
| AY-68-28-407 | 02/15/11 | <0.958 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.39 |
| AY-68-28-513 | 04/27/11 | <1.02 | <10.5 | <0.526 | <0.526 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <2.56 |
| AY-68-28-514 | 04/27/11 | <1.06 | <10.8 | <0.538 | <0.538 | <0.0526 | <0.0526 | <0.0526 | <0.0526 | <2.64 |
| AY-68-28-516 | 02/23/11 | <0.967 | <9.71 | <0.485 | <0.485 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.42 |
| AY-68-29-109 | 08/16/11 | <1.02 | <10.4 | <0.518 | <0.518 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <2.55 |
| AY-68-29-113 | 01/04/11 | <0.989 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.47 |
| AY-68-29-214 | 01/24/11 | <0.990 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.48 |
| AY-68-29-216 | 02/14/11 | <0.956 | <9.71 | <0.485 | <0.485 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.39 |
| AY-68-29-217 | 02/16/11 | <0.967 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.42 |
| AY-68-29-401 | 08/16/11 | <1.04 | <10.6 | <0.532 | <0.532 | <0.0510 | <0.0510 | <0.0510 | <0.0510 | <2.59 |
| AY-68-29-418 | 01/25/11 | <0.959 | <9.71 | <0.485 | <0.485 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <2.40 |
| AY-68-29-419 | 08/16/11 | <1.02 | <10.3 | <0.517 | <0.517 | <0.0521 | <0.0521 | <0.0521 | <0.0521 | <2.54 |
| DX-68-22-805 | 06/22/11 | <0.975 | <10.3 | <0.516 | <0.516 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.44 |
| DX-68-22-903 | 06/28/11 | <0.969 | <10.4 | <0.520 | <0.520 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.42 |
| DX-68-23-203 | 06/20/11 | <0.988 | <10.4 | <0.518 | <0.518 | <0.103 | <0.103 | <0.103 | <0.0515 | <2.47 |
| DX-68-23-203 | 09/08/11 | NA | NA | NA | NA | <0.0467 | <0.0467 | <0.0467 | <0.0467 | NA |
| DX-68-23-303 | 06/20/11 | <0.984 | <10.4 | <0.521 | <0.521 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.46 |
| DX-68-23-303 | 09/08/11 | NA | NA | NA | NA | <0.0472 | <0.0472 | <0.0472 | <0.0472 | NA |
| DX-68-23-304 | 03/09/11 | <0.973 | <9.57 | <0.479 | <0.479 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <2.43 |
| DX-68-23-504 | 06/28/11 | <0.993 | <10.4 | <0.520 | <0.520 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.48 |
| DX-68-30-221 | 06/28/11 | <0.963 | <10.4 | <0.521 | <0.521 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.41 |
| DX-68-30-225 | 06/22/11 | <0.983 | <10.3 | <0.517 | <0.517 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.46 |
| LR-67-01-704 | 09/21/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.36 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Coumaphos (µg/L) | Dalapon (µg/L) | 2,4-D (mg/L) | 2,4-DB (µg/L) | 4,4'-DDD (µg/L) | 4,4'-DDE (µg/L) | 4,4'-DDT (µg/L) | delta-BHC (µg/L) | Demeton (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <2.36 |
| LR-67-01-7SG | 09/21/11 | <1.00 | <120 | <0.500 | <0.500 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.50 |
| LR-67-01-810 | 09/20/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <2.36 |
| LR-67-01-8AR | 09/20/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <2.36 |
| LR-67-09-105 | 09/28/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <2.36 |
| LR-67-09-106 | 09/28/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <2.36 |
| LR-67-09-1HB | 09/27/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <2.36 |
| LR-68-08-902 | 09/21/11 | <0.943 | <120 | <0.500 | <0.500 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <2.36 |
| TD-68-33-502 | 06/21/11 | <0.987 | <10.5 | <0.525 | <0.525 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.47 |
| TD-68-41-102 | 06/27/11 | <0.998 | <10.7 | <0.537 | <0.537 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.49 |
| TD-68-41-303 | 06/27/11 | <0.999 | <10.3 | <0.517 | <0.517 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.50 |
| TD-68-41-901 | 06/27/11 | <0.987 | <10.4 | <0.521 | <0.521 | <0.106 | <0.106 | <0.106 | <0.0532 | <2.47 |
| TD-68-42-506 | 06/29/11 | <0.977 | <10.3 | <0.513 | <0.513 | <0.0962 | <0.0962 | <0.0962 | <0.0481 | <2.44 |
| TD-68-42-806 | 06/23/11 | <0.981 | <10.4 | <0.519 | <0.519 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.45 |
| TD-68-49-201 | 06/23/11 | <0.989 | <10.3 | <0.513 | <0.513 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.47 |
| TD-68-49-301 | 06/29/11 | <0.991 | <10.4 | <0.522 | <0.522 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.48 |
| TD-69-47-303 | 06/29/11 | <0.992 | <10.3 | <0.516 | <0.516 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.48 |
| TD-69-55-604 | 06/21/11 | <0.991 | <10.2 | <0.512 | <0.512 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.48 |
| YP-69-45-405 | 07/12/11 | <1.01 | <10.4 | <0.518 | <0.518 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.52 |
| YP-69-50-207 | 07/13/11 | <0.966 | <9.70 | 0.0738 | <0.485 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.41 |
| YP-69-51-114 | 07/12/11 | <1.00 | <10.1 | 0.0927J | <0.504 | <0.100 | <0.100 | <0.100 | <0.0500 | <2.51 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Demeton-O (µg/L) | Diazinon (µg/L) | Dicamba (µg/L) | Dichloro-prop (µg/L) | Dichloro-prop (µg/L) | Dichloro-vos (µg/L) | Dieldrin (µg/L) | Dimethoate (µg/L) | Dinoseb (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <2.42 | <0.968 | <0.485 | <0.485 | <0.485 | <1.94 | <0.0485 | <1.94 | <5.83 |
| AY-68-27-612 | 02/08/11 | <2.42 | <0.970 | <0.481 | <0.481 | <0.481 | <1.94 | <0.0472 | <1.94 | <5.77 |
| AY-68-28-113 | 01/20/11 | <2.40 | <0.960 | <0.481 | <0.481 | <0.481 | <1.92 | <0.0476 | <1.92 | <5.77 |
| AY-68-28-203 | 04/27/11 | <2.53 | <1.01 | <0.516 | <0.516 | <0.516 | <2.03 | <0.0500 | <2.03 | <6.19 |
| AY-68-28-205 | 04/27/11 | <2.53 | <1.01 | <0.512 | <0.512 | <0.512 | <2.02 | <0.0500 | <2.02 | <6.14 |
| AY-68-28-407 | 02/15/11 | <2.39 | <0.958 | <0.481 | <0.481 | <0.481 | <1.92 | <0.0472 | <1.92 | <5.77 |
| AY-68-28-513 | 04/27/11 | <2.56 | <1.02 | <0.526 | <0.526 | <0.526 | <2.05 | <0.0500 | <2.05 | <6.31 |
| AY-68-28-514 | 04/27/11 | <2.64 | <1.06 | <0.538 | <0.538 | <0.538 | <2.11 | <0.0526 | <2.11 | <6.46 |
| AY-68-28-516 | 02/23/11 | <2.42 | <0.967 | <0.485 | <0.485 | <0.485 | <1.93 | <0.0472 | <1.93 | <5.83 |
| AY-68-29-109 | 08/16/11 | <2.55 | <1.02 | <0.518 | <0.518 | <0.518 | <2.04 | <0.0505 | <2.04 | <6.22 |
| AY-68-29-113 | 01/04/11 | <2.47 | <0.989 | <0.481 | <0.481 | <0.481 | <1.98 | <0.0472 | <1.98 | <5.77 |
| AY-68-29-214 | 01/24/11 | <2.48 | <0.990 | <0.481 | <0.481 | <0.481 | <1.98 | <0.0472 | <1.98 | <5.77 |
| AY-68-29-216 | 02/14/11 | <2.39 | <0.956 | <0.485 | <0.485 | <0.485 | <1.91 | <0.0472 | <1.91 | <5.83 |
| AY-68-29-217 | 02/16/11 | <2.42 | <0.967 | <0.481 | <0.481 | <0.481 | <1.93 | <0.0472 | <1.93 | <5.77 |
| AY-68-29-401 | 08/16/11 | <2.59 | <1.04 | <0.532 | <0.532 | <0.532 | <2.07 | <0.0510 | <2.07 | <6.38 |
| AY-68-29-418 | 01/25/11 | <2.40 | <0.959 | <0.485 | <0.485 | <0.485 | <1.92 | <0.0476 | <1.92 | <5.83 |
| AY-68-29-419 | 08/16/11 | <2.54 | <1.02 | <0.517 | <0.517 | <0.517 | <2.03 | <0.0521 | <2.03 | <6.20 |
| DX-68-22-805 | 06/22/11 | <2.44 | <0.975 | <0.516 | <0.516 | <0.516 | <1.95 | <0.100 | <1.95 | <6.20 |
| DX-68-22-903 | 06/28/11 | <2.42 | <0.969 | <0.520 | <0.520 | <0.520 | <1.94 | <0.100 | <1.94 | <6.24 |
| DX-68-23-203 | 06/20/11 | <2.47 | <0.988 | <0.518 | <0.518 | <0.518 | <1.98 | <0.103 | <1.98 | <6.21 |
| DX-68-23-203 | 09/08/11 | NA | NA | NA | NA | NA | NA | <0.0467 | NA | NA |
| DX-68-23-303 | 06/20/11 | <2.46 | <0.984 | <0.521 | <0.521 | <0.521 | <1.97 | <0.100 | <1.97 | <6.25 |
| DX-68-23-303 | 09/08/11 | NA | NA | NA | NA | NA | NA | <0.0472 | NA | NA |
| DX-68-23-304 | 03/09/11 | <2.43 | <0.973 | <0.479 | <0.479 | <0.479 | <1.95 | <0.0481 | <1.95 | <5.74 |
| DX-68-23-504 | 06/28/11 | <2.48 | <0.993 | <0.520 | <0.520 | <0.520 | <1.99 | <0.100 | <1.99 | <6.24 |
| DX-68-30-221 | 06/28/11 | <2.41 | <0.963 | <0.521 | <0.521 | <0.521 | <1.93 | <0.100 | <1.93 | <6.25 |
| DX-68-30-225 | 06/22/11 | <2.46 | <0.983 | <0.517 | <0.517 | <0.517 | <1.97 | <0.100 | <1.97 | <6.20 |
| LR-67-01-704 | 09/21/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0472 | <1.89 | <6.00 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Demeton-O (µg/L) | Diazinon (µg/L) | Dicamba (µg/L) | Dichloro-prop (µg/L) | Dichloro-prop (µg/L) | Dichloro-vos (µg/L) | Dieldrin (µg/L) | Dimethoate (µg/L) | Dinoseb (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0481 | <1.89 | <6.00 |
| LR-67-01-7SG | 09/21/11 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 | <2.00 | <0.0472 | <2.00 | <6.00 |
| LR-67-01-810 | 09/20/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0476 | <1.89 | <6.00 |
| LR-67-01-8AR | 09/20/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0467 | <1.89 | <6.00 |
| LR-67-09-105 | 09/28/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0472 | <1.89 | <6.00 |
| LR-67-09-106 | 09/28/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0467 | <1.89 | <6.00 |
| LR-67-09-1HB | 09/27/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0476 | <1.89 | <6.00 |
| LR-68-08-902 | 09/21/11 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 | <1.89 | <0.0481 | <1.89 | <6.00 |
| TD-68-33-502 | 06/21/11 | <2.47 | <0.987 | <0.525 | <0.525 | <0.525 | <1.97 | <0.100 | <1.97 | <6.30 |
| TD-68-41-102 | 06/27/11 | <2.49 | <0.998 | <0.537 | <0.537 | <0.537 | <2.00 | <0.100 | <2.00 | <6.45 |
| TD-68-41-303 | 06/27/11 | <2.50 | <0.999 | <0.517 | <0.517 | <0.517 | <2.00 | <0.100 | <2.00 | <6.20 |
| TD-68-41-901 | 06/27/11 | <2.47 | <0.987 | <0.521 | <0.521 | <0.521 | <1.97 | <0.106 | <1.97 | <6.26 |
| TD-68-42-506 | 06/29/11 | <2.44 | <0.977 | <0.513 | <0.513 | <0.513 | <1.95 | <0.0962 | <1.95 | <6.16 |
| TD-68-42-806 | 06/23/11 | <2.45 | <0.981 | <0.519 | <0.519 | <0.519 | <1.96 | <0.100 | <1.96 | <6.22 |
| TD-68-49-201 | 06/23/11 | <2.47 | <0.989 | <0.513 | <0.513 | <0.513 | <1.98 | <0.100 | <1.98 | <6.16 |
| TD-68-49-301 | 06/29/11 | <2.48 | <0.991 | <0.522 | <0.522 | <0.522 | <1.98 | <0.100 | <1.98 | <6.26 |
| TD-69-47-303 | 06/29/11 | <2.48 | <0.992 | <0.516 | <0.516 | <0.516 | <1.98 | <0.100 | <1.98 | <6.19 |
| TD-69-55-604 | 06/21/11 | <2.48 | <0.991 | <0.512 | <0.512 | <0.512 | <1.98 | <0.100 | <1.98 | <6.14 |
| YP-69-45-405 | 07/12/11 | <2.52 | <1.01 | <0.518 | <0.518 | <0.518 | <2.02 | <0.100 | <2.02 | <6.22 |
| YP-69-50-207 | 07/13/11 | <2.41 | <0.966 | <0.485 | <0.485 | <0.485 | <1.93 | <0.100 | <1.93 | <5.82 |
| YP-69-51-114 | 07/12/11 | <2.51 | <1.00 | <0.504 | <0.504 | <0.504 | <2.01 | <0.100 | <2.01 | <6.05 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Disulfoton (µg/L) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <1.94 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.968 | <0.484 |
| AY-68-27-612 | 02/08/11 | <1.94 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.970 | <0.485 |
| AY-68-28-113 | 01/20/11 | <1.92 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.960 | <0.480 |
| AY-68-28-203 | 04/27/11 | <2.03 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <0.507 |
| AY-68-28-205 | 04/27/11 | <2.02 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <0.506 |
| AY-68-28-407 | 02/15/11 | <1.92 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.958 | <0.479 |
| AY-68-28-513 | 04/27/11 | <2.05 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.02 | <0.512 |
| AY-68-28-514 | 04/27/11 | <2.11 | <0.0526 | <0.0526 | <0.0526 | <0.0526 | <0.0526 | <0.0526 | <1.06 | <0.528 |
| AY-68-28-516 | 02/23/11 | <1.93 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.967 | <0.484 |
| AY-68-29-109 | 08/16/11 | <2.04 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <1.02 | <0.510 |
| AY-68-29-113 | 01/04/11 | <1.98 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.989 | <0.495 |
| AY-68-29-214 | 01/24/11 | <1.98 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.990 | <0.495 |
| AY-68-29-216 | 02/14/11 | <1.91 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.956 | <0.478 |
| AY-68-29-217 | 02/16/11 | <1.93 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.967 | <0.484 |
| AY-68-29-401 | 08/16/11 | <2.07 | <0.0510 | <0.0510 | <0.0510 | <0.0510 | <0.0510 | <0.0510 | <1.04 | <0.518 |
| AY-68-29-418 | 01/25/11 | <1.92 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.959 | <0.479 |
| AY-68-29-419 | 08/16/11 | <2.03 | <0.0521 | <0.0521 | <0.0521 | <0.0521 | <0.0521 | <0.0521 | <1.02 | <0.508 |
| DX-68-22-805 | 06/22/11 | <1.95 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.975 | <0.488 |
| DX-68-22-903 | 06/28/11 | <1.94 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.969 | <0.484 |
| DX-68-23-203 | 06/20/11 | <1.98 | <0.0515 | <0.103 | <0.103 | <0.103 | <0.103 | <0.103 | <0.988 | <0.494 |
| DX-68-23-203 | 09/08/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | NA | NA |
| DX-68-23-303 | 06/20/11 | <1.97 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.984 | <0.492 |
| DX-68-23-303 | 09/08/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | NA | NA |
| DX-68-23-304 | 03/09/11 | <1.95 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.973 | <0.486 |
| DX-68-23-504 | 06/28/11 | <1.99 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.993 | <0.496 |
| DX-68-30-221 | 06/28/11 | <1.93 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.963 | <0.481 |
| DX-68-30-225 | 06/22/11 | <1.97 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.983 | <0.491 |
| LR-67-01-704 | 09/21/11 | <1.89 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.472 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Disulfoton (µg/L) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <1.89 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.943 | <0.472 |
| LR-67-01-7SG | 09/21/11 | <2.00 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <0.500 |
| LR-67-01-810 | 09/20/11 | <1.89 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.943 | <0.472 |
| LR-67-01-8AR | 09/20/11 | <1.89 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <0.472 |
| LR-67-09-105 | 09/28/11 | <1.89 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.472 |
| LR-67-09-106 | 09/28/11 | <1.89 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <0.472 |
| LR-67-09-1HB | 09/27/11 | <1.89 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.943 | <0.472 |
| LR-68-08-902 | 09/21/11 | <1.89 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.943 | <0.472 |
| TD-68-33-502 | 06/21/11 | <1.97 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.987 | <0.494 |
| TD-68-41-102 | 06/27/11 | <2.00 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.998 | <0.499 |
| TD-68-41-303 | 06/27/11 | <2.00 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.999 | <0.499 |
| TD-68-41-901 | 06/27/11 | <1.97 | <0.0532 | <0.106 | <0.106 | <0.106 | <0.106 | <0.106 | <0.987 | <0.494 |
| TD-68-42-506 | 06/29/11 | <1.95 | <0.0481 | <0.0962 | <0.0962 | <0.0962 | <0.0962 | <0.0962 | <0.977 | <0.488 |
| TD-68-42-806 | 06/23/11 | <1.96 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.981 | <0.491 |
| TD-68-49-201 | 06/23/11 | <1.98 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.989 | <0.494 |
| TD-68-49-301 | 06/29/11 | <1.98 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.991 | <0.496 |
| TD-69-47-303 | 06/29/11 | <1.98 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.992 | <0.496 |
| TD-69-55-604 | 06/21/11 | <1.98 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.991 | <0.496 |
| YP-69-45-405 | 07/12/11 | <2.02 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <1.01 | <0.504 |
| YP-69-50-207 | 07/13/11 | <1.93 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.966 | <0.483 |
| YP-69-51-114 | 07/12/11 | <2.01 | <0.0500 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <1.00 | <0.502 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Famphur (µg/L) | 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) | MCPA (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <1.94 | <4.84 | <0.968 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.968 | <117 |
| AY-68-27-612 | 02/08/11 | <1.94 | <4.85 | <0.970 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.970 | <115 |
| AY-68-28-113 | 01/20/11 | <1.92 | <4.80 | <0.960 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.960 | <115 |
| AY-68-28-203 | 04/27/11 | <2.03 | <5.07 | <1.01 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <124 |
| AY-68-28-205 | 04/27/11 | <2.02 | <5.06 | <1.01 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <123 |
| AY-68-28-407 | 02/15/11 | <1.92 | <4.79 | <0.958 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.958 | <115 |
| AY-68-28-513 | 04/27/11 | <2.05 | <5.12 | <1.02 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.02 | <126 |
| AY-68-28-514 | 04/27/11 | <2.11 | <5.28 | <1.06 | <0.0526 | <0.0526 | <0.0526 | <0.0526 | <1.06 | <129 |
| AY-68-28-516 | 02/23/11 | <1.93 | <4.84 | <0.967 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.967 | <117 |
| AY-68-29-109 | 08/16/11 | <2.04 | <5.10 | <1.02 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <1.02 | <124 |
| AY-68-29-113 | 01/04/11 | <1.98 | <4.95 | <0.989 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.989 | <115 |
| AY-68-29-214 | 01/24/11 | <1.98 | <4.95 | <0.990 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.990 | <115 |
| AY-68-29-216 | 02/14/11 | <1.91 | <4.78 | <0.956 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.956 | <117 |
| AY-68-29-217 | 02/16/11 | <1.93 | <4.84 | <0.967 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.967 | <115 |
| AY-68-29-401 | 08/16/11 | <2.07 | <5.18 | <1.04 | <0.0510 | <0.0510 | <0.0510 | <0.0510 | <1.04 | <128 |
| AY-68-29-418 | 01/25/11 | <1.92 | <4.79 | <0.959 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.959 | <117 |
| AY-68-29-419 | 08/16/11 | <2.03 | <5.08 | <1.02 | <0.0521 | <0.0521 | <0.0521 | <0.0521 | <1.02 | <124 |
| DX-68-22-805 | 06/22/11 | <1.95 | <4.88 | <0.975 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.975 | <124 |
| DX-68-22-903 | 06/28/11 | <1.94 | <4.84 | <0.969 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.969 | <125 |
| DX-68-23-203 | 06/20/11 | <1.98 | <4.94 | <0.988 | 0.00156 | <0.0515 | <0.0515 | <0.0515 | <0.988 | <124 |
| DX-68-23-203 | 09/08/11 | NA | NA | NA | <0.0467 | <0.0467 | <0.0467 | <0.0467 | NA | NA |
| DX-68-23-303 | 06/20/11 | <1.97 | <4.92 | <0.984 | 0.00161 | <0.0500 | <0.0500 | <0.0500 | <0.984 | <125 |
| DX-68-23-303 | 09/08/11 | NA | NA | NA | <0.0472 | <0.0472 | <0.0472 | <0.0472 | NA | NA |
| DX-68-23-304 | 03/09/11 | <1.95 | <4.86 | <0.973 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.973 | <115 |
| DX-68-23-504 | 06/28/11 | <1.99 | <4.96 | <0.993 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.993 | <125 |
| DX-68-30-221 | 06/28/11 | <1.93 | <4.81 | <0.963 | 0.00139 | <0.0500 | <0.0500 | <0.0500 | <0.963 | <125 |
| DX-68-30-225 | 06/22/11 | <1.97 | <4.91 | <0.983 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.983 | <124 |
| LR-67-01-704 | 09/21/11 | <1.89 | <4.72 | <0.943 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <120 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Famphur (µg/L) | 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) | MCPA (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <1.89 | <4.72 | <0.943 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.943 | <120 |
| LR-67-01-7SG | 09/21/11 | <2.00 | <5.00 | <1.00 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <120 |
| LR-67-01-810 | 09/20/11 | <1.89 | <4.72 | <0.943 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.943 | <120 |
| LR-67-01-8AR | 09/20/11 | <1.89 | <4.72 | <0.943 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <120 |
| LR-67-09-105 | 09/28/11 | <1.89 | <4.72 | <0.943 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <120 |
| LR-67-09-106 | 09/28/11 | <1.89 | <4.72 | <0.943 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <120 |
| LR-67-09-1HB | 09/27/11 | <1.89 | <4.72 | <0.943 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.943 | <120 |
| LR-68-08-902 | 09/21/11 | <1.89 | <4.72 | <0.943 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.943 | <120 |
| TD-68-33-502 | 06/21/11 | <1.97 | <4.94 | <0.987 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.987 | <126 |
| TD-68-41-102 | 06/27/11 | <2.00 | <4.99 | <0.998 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.998 | <129 |
| TD-68-41-303 | 06/27/11 | <2.00 | <4.99 | <0.999 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.999 | <124 |
| TD-68-41-901 | 06/27/11 | <1.97 | <4.94 | <0.987 | <0.0532 | <0.0532 | <0.0532 | <0.0532 | <0.987 | <125 |
| TD-68-42-506 | 06/29/11 | <1.95 | <4.88 | <0.977 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.977 | <123 |
| TD-68-42-806 | 06/23/11 | <1.96 | <4.91 | <0.981 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.981 | <124 |
| TD-68-49-201 | 06/23/11 | <1.98 | <4.94 | <0.989 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.989 | <123 |
| TD-68-49-301 | 06/29/11 | <1.98 | <4.96 | <0.991 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.991 | <125 |
| TD-69-47-303 | 06/29/11 | <1.98 | <4.96 | <0.992 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.992 | <124 |
| TD-69-55-604 | 06/21/11 | <1.98 | <4.96 | <0.991 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.991 | <123 |
| YP-69-45-405 | 07/12/11 | <2.02 | <5.04 | <1.01 | 0.00116J | <0.0500 | <0.0500 | <0.0500 | <1.01 | <124 |
| YP-69-50-207 | 07/13/11 | <1.93 | <4.83 | <0.966 | <0.0500 | <0.0500 | 0.00219 | <0.0500 | <0.966 | <116 |
| YP-69-51-114 | 07/12/11 | <2.01 | <5.02 | <1.00 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <121 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | MCPP (µg/L) | Merphos (µg/L) | Methoxy-chlor (µg/L) | Methyl-parathion (µg/L) | Mevinphos (µg/L) | Mononcro-ophos (µg/L) | Naled (µg/L) | Parathion (µg/L) | Penta-chloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <117 | <1.45 | <0.0485 | <0.484 | <1.94 | <9.68 | <4.84 | <0.968 | <0.243 |
| AY-68-27-612 | 02/08/11 | <115 | <1.45 | <0.0472 | <0.485 | <1.94 | <9.70 | <4.85 | <0.970 | <0.240 |
| AY-68-28-113 | 01/20/11 | <115 | <1.44 | <0.0476 | <0.480 | <1.92 | <9.60 | <4.80 | <0.960 | <0.240 |
| AY-68-28-203 | 04/27/11 | <124 | <1.52 | <0.0500 | <0.507 | <2.03 | <10.1 | <5.07 | <1.01 | <0.258 |
| AY-68-28-205 | 04/27/11 | <123 | <1.52 | <0.0500 | <0.506 | <2.02 | <10.1 | <5.06 | <1.01 | <0.256 |
| AY-68-28-407 | 02/15/11 | <115 | <1.44 | <0.0472 | <0.479 | <1.92 | <9.58 | <4.79 | <0.958 | <0.240 |
| AY-68-28-513 | 04/27/11 | <126 | <1.54 | <0.0500 | <0.512 | <2.05 | <10.2 | <5.12 | <1.02 | <0.263 |
| AY-68-28-514 | 04/27/11 | <129 | <1.58 | <0.0526 | <0.528 | <2.11 | <10.6 | <5.28 | <1.06 | <0.269 |
| AY-68-28-516 | 02/23/11 | <117 | <1.45 | <0.0472 | <0.484 | <1.93 | <9.67 | <4.84 | <0.967 | <0.243 |
| AY-68-29-109 | 08/16/11 | <124 | <1.53 | <0.0505 | <0.510 | <2.04 | <10.2 | <5.10 | <1.02 | <0.259 |
| AY-68-29-113 | 01/04/11 | <115 | <1.48 | <0.0472 | <0.495 | <1.98 | <9.89 | <4.95 | <0.989 | <0.240 |
| AY-68-29-214 | 01/24/11 | <115 | <1.49 | <0.0472 | <0.495 | <1.98 | <9.90 | <4.95 | <0.990 | <0.240 |
| AY-68-29-216 | 02/14/11 | <117 | <1.43 | <0.0472 | <0.478 | <1.91 | <9.56 | <4.78 | <0.956 | <0.243 |
| AY-68-29-217 | 02/16/11 | <115 | <1.45 | <0.0472 | <0.484 | <1.93 | <9.67 | <4.84 | <0.967 | <0.240 |
| AY-68-29-401 | 08/16/11 | <128 | <1.55 | <0.0510 | <0.518 | <2.07 | <10.4 | <5.18 | <1.04 | <0.266 |
| AY-68-29-418 | 01/25/11 | <117 | <1.44 | <0.0476 | <0.479 | <1.92 | <9.59 | <4.79 | <0.959 | <0.243 |
| AY-68-29-419 | 08/16/11 | <124 | <1.52 | <0.0521 | <0.508 | <2.03 | <10.2 | <5.08 | <1.02 | <0.258 |
| DX-68-22-805 | 06/22/11 | <124 | <1.46 | <0.500 | <0.488 | <1.95 | <9.75 | <4.88 | <0.975 | <0.258 |
| DX-68-22-903 | 06/28/11 | <125 | <1.45 | <0.500 | <0.484 | <1.94 | <9.69 | <4.84 | <0.969 | <0.260 |
| DX-68-23-203 | 06/20/11 | <124 | <1.48 | <0.515 | <0.494 | <1.98 | <9.88 | <4.94 | <0.988 | <0.259 |
| DX-68-23-203 | 09/08/11 | NA | NA | <0.0467 | NA | NA | NA | NA | NA | NA |
| DX-68-23-303 | 06/20/11 | <125 | <1.48 | <0.500 | <0.492 | <1.97 | <9.84 | <4.92 | <0.984 | <0.261 |
| DX-68-23-303 | 09/08/11 | NA | NA | <0.0472 | NA | NA | NA | NA | NA | NA |
| DX-68-23-304 | 03/09/11 | <115 | <1.46 | <0.0481 | <0.486 | <1.95 | <9.73 | <4.86 | <0.973 | <9.62 |
| DX-68-23-504 | 06/28/11 | <125 | <1.49 | <0.500 | <0.496 | <1.99 | <9.93 | <4.96 | <0.993 | <0.260 |
| DX-68-30-221 | 06/28/11 | <125 | <1.44 | <0.500 | <0.481 | <1.93 | <9.63 | <4.81 | <0.963 | <0.260 |
| DX-68-30-225 | 06/22/11 | <124 | <1.47 | <0.500 | <0.491 | <1.97 | <9.83 | <4.91 | <0.983 | <0.258 |
| LR-67-01-704 | 09/21/11 | <120 | <0.943 | <0.0472 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | MCPP (µg/L) | Merphos (µg/L) | Methoxy-chlor (µg/L) | Methyl-parathion (µg/L) | Mevinphos (µg/L) | Mononcro-ophos (µg/L) | Naled (µg/L) | Parathion (µg/L) | Penta-chloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <120 | <0.943 | <0.0481 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |
| LR-67-01-7SG | 09/21/11 | <120 | <1.00 | <0.0472 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <1.00 |
| LR-67-01-810 | 09/20/11 | <120 | <0.943 | <0.0476 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |
| LR-67-01-8AR | 09/20/11 | <120 | <0.943 | <0.0467 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |
| LR-67-09-105 | 09/28/11 | <120 | <0.943 | <0.0472 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |
| LR-67-09-106 | 09/28/11 | <120 | <0.943 | <0.0467 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |
| LR-67-09-1HB | 09/27/11 | <120 | <0.943 | <0.0476 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |
| LR-68-08-902 | 09/21/11 | <120 | <0.943 | <0.0481 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <1.00 |
| TD-68-33-502 | 06/21/11 | <126 | <1.48 | <0.500 | <0.494 | <1.97 | <9.87 | <4.94 | <0.987 | <0.263 |
| TD-68-41-102 | 06/27/11 | <129 | <1.50 | <0.500 | <0.499 | <2.00 | <9.98 | <4.99 | <0.998 | <0.269 |
| TD-68-41-303 | 06/27/11 | <124 | <1.50 | <0.500 | <0.499 | <2.00 | <9.99 | <4.99 | <0.999 | <0.258 |
| TD-68-41-901 | 06/27/11 | <125 | <1.48 | <0.532 | <0.494 | <1.97 | <9.87 | <4.94 | <0.987 | <0.261 |
| TD-68-42-506 | 06/29/11 | <123 | <1.47 | <0.481 | <0.488 | <1.95 | <9.77 | <4.88 | <0.977 | <0.257 |
| TD-68-42-806 | 06/23/11 | <124 | <1.47 | <0.500 | <0.491 | <1.96 | <9.81 | <4.91 | <0.981 | <0.259 |
| TD-68-49-201 | 06/23/11 | <123 | <1.48 | <0.500 | <0.494 | <1.98 | <9.89 | <4.94 | <0.989 | <0.257 |
| TD-68-49-301 | 06/29/11 | <125 | <1.49 | <0.500 | <0.496 | <1.98 | <9.91 | <4.96 | <0.991 | <0.261 |
| TD-69-47-303 | 06/29/11 | <124 | <1.49 | <0.500 | <0.496 | <1.98 | <9.92 | <4.96 | <0.992 | <0.258 |
| TD-69-55-604 | 06/21/11 | <123 | <1.49 | <0.500 | <0.496 | <1.98 | <9.91 | <4.96 | <0.991 | <0.256 |
| YP-69-45-405 | 07/12/11 | <124 | <1.51 | <0.500 | <0.504 | <2.02 | <10.1 | <5.04 | <1.01 | <0.259 |
| YP-69-50-207 | 07/13/11 | <116 | <1.45 | <0.500 | <0.483 | <1.93 | <9.66 | <4.83 | <0.966 | <0.243 |
| YP-69-51-114 | 07/12/11 | <121 | <1.51 | <0.500 | <0.502 | <2.01 | <10.0 | <5.02 | <1.00 | <0.252 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Phorate (µg/L) | Ronnel (µg/L) | Stirophos (µg/L) | Sulfotepp (µg/L) | 2,4,5-T (mg/L) | 2,4,5-TP (mg/L) | Thionazin (µg/L) | Tokuthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <0.968 | <0.968 | <0.968 | <0.484 | <0.485 | <0.485 | <0.968 | <0.968 |
| AY-68-27-612 | 02/08/11 | <0.970 | <0.970 | <0.970 | <0.485 | <0.481 | <0.481 | <0.970 | <0.970 |
| AY-68-28-113 | 01/20/11 | <0.960 | <0.960 | <0.960 | <0.480 | <0.481 | <0.481 | <0.960 | <0.960 |
| AY-68-28-203 | 04/27/11 | <1.01 | <1.01 | <1.01 | <0.507 | <0.516 | <0.516 | <1.01 | <1.01 |
| AY-68-28-205 | 04/27/11 | <1.01 | <1.01 | <1.01 | <0.506 | <0.512 | <0.512 | <1.01 | <1.01 |
| AY-68-28-407 | 02/15/11 | <0.958 | <0.958 | <0.958 | <0.479 | <0.481 | <0.481 | <0.958 | <0.958 |
| AY-68-28-513 | 04/27/11 | <1.02 | <1.02 | <1.02 | <0.512 | <0.526 | <0.526 | <1.02 | <1.02 |
| AY-68-28-514 | 04/27/11 | <1.06 | <1.06 | <1.06 | <0.528 | <0.538 | <0.538 | <1.06 | <1.06 |
| AY-68-28-516 | 02/23/11 | <0.967 | <0.967 | <0.967 | <0.484 | <0.485 | <0.485 | <0.967 | <0.967 |
| AY-68-29-109 | 08/16/11 | <1.02 | <1.02 | <1.02 | <0.510 | <0.518 | <0.518 | <1.02 | <1.02 |
| AY-68-29-113 | 01/04/11 | <0.989 | <0.989 | <0.989 | <0.495 | <0.481 | <0.481 | <0.989 | <0.989 |
| AY-68-29-214 | 01/24/11 | <0.990 | <0.990 | <0.990 | <0.495 | <0.481 | <0.481 | <0.990 | <0.990 |
| AY-68-29-216 | 02/14/11 | <0.956 | <0.956 | <0.956 | <0.478 | <0.485 | <0.485 | <0.956 | <0.956 |
| AY-68-29-217 | 02/16/11 | <0.967 | <0.967 | <0.967 | <0.484 | <0.481 | <0.481 | <0.967 | <0.967 |
| AY-68-29-401 | 08/16/11 | <1.04 | <1.04 | <1.04 | <0.518 | <0.532 | <0.532 | <1.04 | <1.04 |
| AY-68-29-418 | 01/25/11 | <0.959 | <0.959 | <0.959 | <0.479 | <0.485 | <0.485 | <0.959 | <0.959 |
| AY-68-29-419 | 08/16/11 | <1.02 | <1.02 | <1.02 | <0.508 | <0.517 | <0.517 | <1.02 | <1.02 |
| DX-68-22-805 | 06/22/11 | <0.975 | <0.975 | <0.975 | <0.488 | <0.516 | <0.516 | <0.975 | <0.975 |
| DX-68-22-903 | 06/28/11 | <0.969 | <0.969 | <0.969 | <0.484 | <0.520 | <0.520 | <0.969 | <0.969 |
| DX-68-23-203 | 06/20/11 | <0.988 | <0.988 | <0.988 | <0.494 | <0.518 | <0.518 | <0.988 | <0.988 |
| DX-68-23-203 | 09/08/11 | NA | NA | NA | NA | NA | NA | NA | NA |
| DX-68-23-303 | 06/20/11 | <0.984 | <0.984 | <0.984 | <0.492 | <0.521 | <0.521 | <0.984 | <0.984 |
| DX-68-23-303 | 09/08/11 | NA | NA | NA | NA | NA | NA | NA | NA |
| DX-68-23-304 | 03/09/11 | <0.973 | <0.973 | <0.973 | <0.486 | <0.479 | <0.479 | <0.973 | <0.973 |
| DX-68-23-504 | 06/28/11 | <0.993 | <0.993 | <0.993 | <0.496 | <0.520 | <0.520 | <0.993 | <0.993 |
| DX-68-30-221 | 06/28/11 | <0.963 | <0.963 | <0.963 | <0.481 | <0.521 | <0.521 | <0.963 | <0.963 |
| DX-68-30-225 | 06/22/11 | <0.983 | <0.983 | <0.983 | <0.491 | <0.517 | <0.517 | <0.983 | <0.983 |
| LR-67-01-704 | 09/21/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Phorate (µg/L) | Ronnel (µg/L) | Stirophos (µg/L) | Sulfotepp (µg/L) | 2,4,5-T (mg/L) | 2,4,5-TP (mg/L) | Thionazin (µg/L) | Tokuthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| LR-67-01-7SG | 09/21/11 | <1.00 | <1.00 | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| LR-67-01-810 | 09/20/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| LR-67-01-8AR | 09/20/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| LR-67-09-105 | 09/28/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| LR-67-09-106 | 09/28/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| LR-67-09-1HB | 09/27/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| LR-68-08-902 | 09/21/11 | <0.943 | <0.943 | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| TD-68-33-502 | 06/21/11 | <0.987 | <0.987 | <0.987 | <0.494 | <0.525 | <0.525 | <0.987 | <0.987 |
| TD-68-41-102 | 06/27/11 | <0.998 | <0.998 | <0.998 | <0.499 | <0.537 | <0.537 | <0.998 | <0.998 |
| TD-68-41-303 | 06/27/11 | <0.999 | <0.999 | <0.999 | <0.499 | <0.517 | <0.517 | <0.999 | <0.999 |
| TD-68-41-901 | 06/27/11 | <0.987 | <0.987 | <0.987 | <0.494 | <0.521 | <0.521 | <0.987 | <0.987 |
| TD-68-42-506 | 06/29/11 | <0.977 | <0.977 | <0.977 | <0.488 | <0.513 | <0.513 | <0.977 | <0.977 |
| TD-68-42-806 | 06/23/11 | <0.981 | <0.981 | <0.981 | <0.491 | <0.519 | <0.519 | <0.981 | <0.981 |
| TD-68-49-201 | 06/23/11 | <0.989 | <0.989 | <0.989 | <0.494 | <0.513 | <0.513 | <0.989 | <0.989 |
| TD-68-49-301 | 06/29/11 | <0.991 | <0.991 | <0.991 | <0.496 | <0.522 | <0.522 | <0.991 | <0.991 |
| TD-69-47-303 | 06/29/11 | <0.992 | <0.992 | <0.992 | <0.496 | <0.516 | <0.516 | <0.992 | <0.992 |
| TD-69-55-604 | 06/21/11 | <0.991 | <0.991 | <0.991 | <0.496 | <0.512 | <0.512 | <0.991 | <0.991 |
| YP-69-45-405 | 07/12/11 | <1.01 | <1.01 | <1.01 | <0.504 | <0.518 | <0.518 | <1.01 | <1.01 |
| YP-69-50-207 | 07/13/11 | <0.966 | <0.966 | <0.966 | <0.483 | <0.485 | <0.485 | <0.966 | <0.966 |
| YP-69-51-114 | 07/12/11 | <1.00 | <1.00 | <1.00 | <0.502 | <0.504 | <0.504 | <1.00 | <1.00 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Toxaphene (µg/L) | Trichloronate (µg/L) |
|---|---|---|---|
| AY-68-27-610 | 01/20/11 | <0.971 | <0.968 |
| AY-68-27-612 | 02/08/11 | <0.943 | <0.970 |
| AY-68-28-113 | 01/20/11 | <0.952 | <0.960 |
| AY-68-28-203 | 04/27/11 | <1.00 | <1.01 |
| AY-68-28-205 | 04/27/11 | <1.00 | <1.01 |
| AY-68-28-407 | 02/15/11 | <0.943 | <0.958 |
| AY-68-28-513 | 04/27/11 | <1.00 | <1.02 |
| AY-68-28-514 | 04/27/11 | <1.05 | <1.06 |
| AY-68-28-516 | 02/23/11 | <0.943 | <0.967 |
| AY-68-29-109 | 08/16/11 | <1.01 | <1.02 |
| AY-68-29-113 | 01/04/11 | <0.943 | <0.989 |
| AY-68-29-214 | 01/24/11 | <0.943 | <0.990 |
| AY-68-29-216 | 02/14/11 | <0.943 | <0.956 |
| AY-68-29-217 | 02/16/11 | <0.943 | <0.967 |
| AY-68-29-401 | 08/16/11 | <1.02 | <1.04 |
| AY-68-29-418 | 01/25/11 | <0.952 | <0.959 |
| AY-68-29-419 | 08/16/11 | <1.04 | <1.02 |
| DX-68-22-805 | 06/22/11 | <5.00 | <0.975 |
| DX-68-22-903 | 06/28/11 | <5.00 | <0.969 |
| DX-68-23-203 | 06/20/11 | <5.15 | <0.988 |
| DX-68-23-203 | 09/08/11 | <0.935 | NA |
| DX-68-23-303 | 06/20/11 | <5.00 | <0.984 |
| DX-68-23-303 | 09/08/11 | <0.943 | NA |
| DX-68-23-304 | 03/09/11 | <0.962 | <0.973 |
| DX-68-23-504 | 06/28/11 | <5.00 | <0.993 |
| DX-68-30-221 | 06/28/11 | <5.00 | <0.963 |
| DX-68-30-225 | 06/22/11 | <5.00 | <0.983 |
| LR-67-01-704 | 09/21/11 | <0.943 | <0.943 |

**Table C-5. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Toxaphene (µg/L) | Trichloronate (µg/L) |
|---|---|---|---|
| LR-67-01-7SF | 09/21/11 | <0.962 | <0.943 |
| LR-67-01-7SG | 09/21/11 | <0.943 | <1.00 |
| LR-67-01-810 | 09/20/11 | <0.952 | <0.943 |
| LR-67-01-8AR | 09/20/11 | <0.935 | <0.943 |
| LR-67-09-105 | 09/28/11 | <0.943 | <0.943 |
| LR-67-09-106 | 09/28/11 | <0.935 | <0.943 |
| LR-67-09-1HB | 09/27/11 | <0.952 | <0.943 |
| LR-68-08-902 | 09/21/11 | <0.962 | <0.943 |
| TD-68-33-502 | 06/21/11 | <5.00 | <0.987 |
| TD-68-41-102 | 06/27/11 | <5.00 | <0.998 |
| TD-68-41-303 | 06/27/11 | <5.00 | <0.999 |
| TD-68-41-901 | 06/27/11 | <5.32 | <0.987 |
| TD-68-42-506 | 06/29/11 | <4.81 | <0.977 |
| TD-68-42-806 | 06/23/11 | <5.00 | <0.981 |
| TD-68-49-201 | 06/23/11 | <5.00 | <0.989 |
| TD-68-49-301 | 06/29/11 | <5.00 | <0.991 |
| TD-69-47-303 | 06/29/11 | <5.00 | <0.992 |
| TD-69-55-604 | 06/21/11 | <5.00 | <0.991 |
| YP-69-45-405 | 07/12/11 | <5.00 | <1.01 |
| YP-69-50-207 | 07/13/11 | <5.00 | <0.966 |
| YP-69-51-114 | 07/12/11 | <5.00 | <1.00 |

NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-6.** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-benzene (µg/L) | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-27-303-1 | 07/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-27-303-2 | 03/16/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-27-303-2 | 07/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-27-303-2 | 12/20/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-27-610 | 01/20/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-27-612 | 02/08/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-27-6SK | 12/15/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-28-113 | 01/20/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-203 | 04/27/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-205 | 04/27/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-313 | 03/16/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-313 | 06/30/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-28-313 | 12/07/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-28-407 | 02/15/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-513 | 04/27/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-514 | 04/27/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-516 | 02/23/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-28-608 Standpipe | 03/15/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-29-109 | 08/16/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-benzene (µg/L) | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-29-216 | 02/14/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-29-217 | 02/16/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-29-401 | 08/16/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| AY-68-29-418 | 01/25/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-29-418 | 04/04/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| AY-68-29-419 | 08/16/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-22-805 | 06/22/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-22-903 | 06/28/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-23-203 | 06/20/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-23-203 | 08/17/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-23-303 | 06/20/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-23-303 | 08/17/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-23-304 | 03/09/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| DX-68-23-504 | 06/28/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-30-221 | 06/28/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| DX-68-30-225 | 06/22/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR 67-01-505 | 11/01/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-01-704 | 09/21/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-01-7SF | 09/21/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-01-7SG | 09/21/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-01-810 | 09/20/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-01-8AR | 09/20/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-09-101 1 | 03/15/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-benzene (µg/L) | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-09-101 4 | 03/15/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| LR-67-09-101 4 | 07/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-09-105 | 09/28/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-09-106 | 09/28/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-67-09-1HB | 09/27/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| LR-68-08-902 | 09/21/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-38-8MC | 11/09/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-38-9BS | 10/11/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-38-9HC | 10/11/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-38-9JM | 10/11/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-38-9TW | 10/11/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-45-505 | 11/08/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-45-601 | 10/10/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-46-5AK | 10/10/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-46-802 | 10/10/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-46-8DS | 10/10/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| RP-70-47-9GR | 10/10/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-33-502 | 06/21/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-41-102 | 06/27/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-41-303 | 06/27/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-41-901 | 06/27/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-42-506 | 06/29/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-42-506 | 08/24/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-42-806 | 06/23/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-68-49-201 | 06/23/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-benzene (µg/L) | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-69-47-303 | 06/29/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| TD-69-55-604 | 06/21/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP 69-43-9SC | 11/07/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP-69-35-602 | 03/14/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 | <5.00 |
| YP-69-35-602 | 06/28/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP-69-42-606 | 10/26/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP-69-43-407 | 10/26/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP-69-45-405 | 07/12/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP-69-50-207 | 07/13/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP-69-50-624 | 10/26/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |
| YP-69-51-114 | 07/12/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Butanone (µg/L) | n-Butyl-benzene (µg/L) | sec-Butyl-benzene (µg/L) | tert-Butyl-benzene (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloro-benzene (µg/L) | Chloro-ethane (µg/L) | Chloroform (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | 0.339J |
| AY-68-27-303-1 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | 0.403J |
| AY-68-27-303-2 | 03/16/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | 0.293J |
| AY-68-27-303-2 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | 0.399J |
| AY-68-27-303-2 | 12/20/11 | <20.0 | <1.00 | <2.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | 0.510J |
| AY-68-27-610 | 01/20/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | 0.527J |
| AY-68-27-612 | 02/08/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-6SK | 12/15/11 | <20.0 | <1.00 | <2.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-113 | 01/20/11 | <5.00 | NA | NA | NA | 0.347J | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-203 | 04/27/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-205 | 04/27/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-313 | 03/16/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | 1.86 |
| AY-68-28-313 | 06/30/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | 1.80 |
| AY-68-28-313 | 12/07/11 | <20.0 | <1.00 | <2.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | 1.57 |
| AY-68-28-407 | 02/15/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-513 | 04/27/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-514 | 04/27/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-516 | 02/23/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-608 Standpipe | 03/15/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-109 | 08/16/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Butanone (µg/L) | n-Butyl-benzene (µg/L) | sec-Butyl-benzene (µg/L) | tert-Butyl-benzene (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloro-benzene (µg/L) | Chloro-ethane (µg/L) | Chloroform (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-216 | 02/14/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-217 | 02/16/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-401 | 08/16/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-418 | 01/25/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | 0.246J |
| AY-68-29-418 | 04/04/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | 0.411J |
| AY-68-29-419 | 08/16/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-22-805 | 06/22/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-22-903 | 06/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-203 | 06/20/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-203 | 08/17/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-303 | 06/20/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-303 | 08/17/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-304 | 03/09/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-504 | 06/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-30-221 | 06/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-30-225 | 06/22/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR 67-01-505 | 11/01/11 | <20.0 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-704 | 09/21/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-7SF | 09/21/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-7SG | 09/21/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-810 | 09/20/11 | <5.00 | <1.00 | <1.00 | <1.00 | 0.604J | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-8AR | 09/20/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-101 1 | 03/15/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Butanone (µg/L) | n-Butyl-benzene (µg/L) | sec-Butyl-benzene (µg/L) | tert-Butyl-benzene (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloro-benzene (µg/L) | Chloro-ethane (µg/L) | Chloroform (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-101 4 | 03/15/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-101 4 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-105 | 09/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-106 | 09/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-1HB | 09/27/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-68-08-902 | 09/21/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-8MC | 11/09/11 | <20.0 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9BS | 10/11/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9HC | 10/11/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9JM | 10/11/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9TW | 10/11/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-45-505 | 11/08/11 | <20.0 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-45-601 | 10/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-46-5AK | 10/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-46-802 | 10/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-46-8DS | 10/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-47-9GR | 10/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-33-502 | 06/21/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-41-102 | 06/27/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-41-303 | 06/27/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-41-901 | 06/27/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-42-506 | 06/29/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-42-506 | 08/24/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-42-806 | 06/23/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-49-201 | 06/23/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Butanone (µg/L) | n-Butyl-benzene (µg/L) | sec-Butyl-benzene (µg/L) | tert-Butyl-benzene (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloro-benzene (µg/L) | Chloro-ethane (µg/L) | Chloroform (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-69-47-303 | 06/29/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-69-55-604 | 06/21/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP 69-43-9SC | 11/07/11 | <20.0 | <1.00 | <1.00 | <1.00 | 0.573J | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-35-602 | 03/14/11 | <5.00 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-35-602 | 06/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-42-606 | 10/26/11 | <20.0 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-43-407 | 10/26/11 | <20.0 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-45-405 | 07/12/11 | <5.00 | <1.00 | <1.00 | <1.00 | 1.82 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-50-207 | 07/13/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-50-624 | 10/26/11 | <20.0 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-51-114 | 07/12/11 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chloro-methane (µg/L) | 4-Chloro-toluene (µg/L) | 2-Chloro-toluene (µg/L) | CycloHex a-ne (µg/L) | 1,2-Dibromo--3-chloro-propane (µg/L) | Dibromo-chloro-methane (µg/L) | 1,2-Dibromo-ethane (µg/L) | Ethyl-acetate (µg/L) | Dibromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-303-1 | 07/06/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-303-2 | 03/16/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-303-2 | 07/06/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-303-2 | 12/20/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-610 | 01/20/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-612 | 02/08/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-27-6SK | 12/15/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-113 | 01/20/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-203 | 04/27/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-205 | 04/27/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-313 | 03/16/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-313 | 06/30/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-313 | 12/07/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-407 | 02/15/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-513 | 04/27/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-514 | 04/27/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-516 | 02/23/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-28-608 Standpipe | 03/15/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-109 | 08/16/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chloro-methane (µg/L) | 4-Chloro-toluene (µg/L) | 2-Chloro-toluene (µg/L) | CycloHex a-ne (µg/L) | 1,2-Dibromo--3-chloro-propane (µg/L) | Dibromo-chloro-methane (µg/L) | 1,2-Dibromo-ethane (µg/L) | Ethyl-acetate (µg/L) | Dibromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-216 | 02/14/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-217 | 02/16/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-401 | 08/16/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-418 | 01/25/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-418 | 04/04/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| AY-68-29-419 | 08/16/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-22-805 | 06/22/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-22-903 | 06/28/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-203 | 06/20/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-203 | 08/17/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-303 | 06/20/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-303 | 08/17/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-304 | 03/09/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-23-504 | 06/28/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-30-221 | 06/28/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| DX-68-30-225 | 06/22/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR 67-01-505 | 11/01/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-704 | 09/21/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-7SF | 09/21/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-7SG | 09/21/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-810 | 09/20/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-01-8AR | 09/20/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-101 1 | 03/15/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chloro-methane (µg/L) | 4-Chloro-toluene (µg/L) | 2-Chloro-toluene (µg/L) | CycloHexa-ne (µg/L) | 1,2-Dibromo--3-chloro-propane (µg/L) | Dibromo-chloro-methane (µg/L) | 1,2-Dibromo-ethane (µg/L) | Ethyl-acetate (µg/L) | Dibromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-101 4 | 03/15/11 | 0.682J | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-101 4 | 07/05/11 | 0.873J | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-105 | 09/28/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-106 | 09/28/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-67-09-1HB | 09/27/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| LR-68-08-902 | 09/21/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-8MC | 11/09/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9BS | 10/11/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9HC | 10/11/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9JM | 10/11/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-38-9TW | 10/11/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-45-505 | 11/08/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-45-601 | 10/10/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-46-5AK | 10/10/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-46-802 | 10/10/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-46-8DS | 10/10/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-47-9GR | 10/10/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-33-502 | 06/21/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-41-102 | 06/27/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-41-303 | 06/27/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-41-901 | 06/27/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-42-506 | 06/29/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-42-506 | 08/24/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-42-806 | 06/23/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-68-49-201 | 06/23/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chloro-methane (µg/L) | 4-Chloro-toluene (µg/L) | 2-Chloro-toluene (µg/L) | CycloHex a-ne (µg/L) | 1,2-Dibromo--3-chloro-propane (µg/L) | Dibromo-chloro-methane (µg/L) | 1,2-Dibromo-ethane (µg/L) | Ethyl-acetate (µg/L) | Dibromo-methane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-69-47-303 | 06/29/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| TD-69-55-604 | 06/21/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP 69-43-9SC | 11/07/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-35-602 | 03/14/11 | <5.00 | NA | NA | NA | NA | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-35-602 | 06/28/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-42-606 | 10/26/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-43-407 | 10/26/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-45-405 | 07/12/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-50-207 | 07/13/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-50-624 | 10/26/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| YP-69-51-114 | 07/12/11 | <5.00 | <1.00 | <1.00 | <2.00 | <5.00 | <1.00 | <1.00 | <5.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,4-Dichloro-benzene (µg/L) | 1,3-Dichloro-benzene (µg/L) | 1,2-Dichloro-benzene (µg/L) | Dichloro-difluoro-methane (µg/L) | 1,2-Dichloro-ethane (µg/L) | 1,1-Dichloro-ethane (µg/L) | cis-1,2-Dichloro-ethene (µg/L) | trans-1,2-Dichloro-ethene (µg/L) | 1,1-Dichloro-ethene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-1 | 07/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 03/16/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 07/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 12/20/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-610 | 01/20/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-612 | 02/08/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-6SK | 12/15/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-113 | 01/20/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-203 | 04/27/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-205 | 04/27/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 03/16/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 06/30/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 12/07/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-407 | 02/15/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-513 | 04/27/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-514 | 04/27/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-516 | 02/23/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-608 Standpipe | 03/15/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-109 | 08/16/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,4-Dichloro-benzene (µg/L) | 1,3-Dichloro-benzene (µg/L) | 1,2-Dichloro-benzene (µg/L) | Dichloro-difluoro-methane (µg/L) | 1,2-Dichloro-ethane (µg/L) | 1,1-Dichloro-ethane (µg/L) | cis-1,2-Dichloro-ethene (µg/L) | trans-1,2-Dichloro-ethene (µg/L) | 1,1-Dichloro-ethene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-216 | 02/14/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-217 | 02/16/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-401 | 08/16/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-418 | 01/25/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-418 | 04/04/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-419 | 08/16/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-22-805 | 06/22/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-22-903 | 06/28/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 06/20/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 08/17/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-303 | 06/20/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-303 | 08/17/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-504 | 06/28/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-30-221 | 06/28/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-30-225 | 06/22/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR 67-01-505 | 11/01/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-704 | 09/21/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-7SF | 09/21/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-7SG | 09/21/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-810 | 09/20/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-8AR | 09/20/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 1 | 03/15/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,4-Dichloro-benzene (µg/L) | 1,3-Dichloro-benzene (µg/L) | 1,2-Dichloro-benzene (µg/L) | Dichloro-difluoro-methane (µg/L) | 1,2-Dichloro-ethane (µg/L) | 1,1-Dichloro-ethane (µg/L) | cis-1,2-Dichloro-ethene (µg/L) | trans-1,2-Dichloro-ethene (µg/L) | 1,1-Dichloro-ethene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 4 | 03/15/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 4 | 07/05/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-105 | 09/28/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-106 | 09/28/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-1HB | 09/27/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-68-08-902 | 09/21/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-8MC | 11/09/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9BS | 10/11/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9HC | 10/11/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9JM | 10/11/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9TW | 10/11/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-505 | 11/08/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-601 | 10/10/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-5AK | 10/10/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-802 | 10/10/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-8DS | 10/10/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-47-9GR | 10/10/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-33-502 | 06/21/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-102 | 06/27/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-303 | 06/27/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-901 | 06/27/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-506 | 06/29/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-506 | 08/24/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-806 | 06/23/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-49-201 | 06/23/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,4-Dichloro-benzene (µg/L) | 1,3-Dichloro-benzene (µg/L) | 1,2-Dichloro-benzene (µg/L) | Dichloro-difluoro-methane (µg/L) | 1,2-Dichloro-ethane (µg/L) | 1,1-Dichloro-ethane (µg/L) | cis-1,2-Dichloro-ethene (µg/L) | trans-1,2-Dichloro-ethene (µg/L) | 1,1-Dichloro-ethene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-69-47-303 | 06/29/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-69-55-604 | 06/21/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP 69-43-9SC | 11/07/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-35-602 | 03/14/11 | NA | NA | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-35-602 | 06/28/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-42-606 | 10/26/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-43-407 | 10/26/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-45-405 | 07/12/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-50-207 | 07/13/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-50-624 | 10/26/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-51-114 | 07/12/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,3-Dichloro-propane (µg/L) | 2,2-Dichloro-propane (µg/L) | 1,2-Dichloro-propane (µg/L) | cis-1,3-Dichloro-propene (µg/L) | trans-1,3-Dichloro-propene (µg/L) | 1,1-Dichloro-propene (µg/L) | 1,4-Dioxane (µg/L) | Ethyl-ether (µg/L) | Ethyl-methacrylate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-27-303-1 | 07/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-27-303-2 | 03/16/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-27-303-2 | 07/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-27-303-2 | 12/20/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-27-610 | 01/20/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-27-612 | 02/08/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-27-6SK | 12/15/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-113 | 01/20/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-203 | 04/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-205 | 04/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-313 | 03/16/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-313 | 06/30/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-313 | 12/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-407 | 02/15/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-513 | 04/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-514 | 04/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-516 | 02/23/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-28-608 Standpipe | 03/15/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-109 | 08/16/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,3-Dichloro-propane (µg/L) | 2,2-Dichloro-propane (µg/L) | 1,2-Dichloro-propane (µg/L) | cis-1,3-Dichloro-propene (µg/L) | trans-1,3-Dichloro-propene (µg/L) | 1,1-Dichloro-propene (µg/L) | 1,4-Dioxane (µg/L) | Ethyl-ether (µg/L) | Ethyl-methacrylate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-216 | 02/14/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-217 | 02/16/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-401 | 08/16/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-418 | 01/25/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-418 | 04/04/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| AY-68-29-419 | 08/16/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-22-805 | 06/22/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-22-903 | 06/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-23-203 | 06/20/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-23-203 | 08/17/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-23-303 | 06/20/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-23-303 | 08/17/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-23-304 | 03/09/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-23-504 | 06/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-30-221 | 06/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| DX-68-30-225 | 06/22/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR 67-01-505 | 11/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-01-704 | 09/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-01-7SF | 09/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-01-7SG | 09/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-01-810 | 09/20/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-01-8AR | 09/20/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-09-101 1 | 03/15/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,3-Dichloro-propane (µg/L) | 2,2-Dichloro-propane (µg/L) | 1,2-Dichloro-propane (µg/L) | cis-1,3-Dichloro-propene (µg/L) | trans-1,3-Dichloro-propene (µg/L) | 1,1-Dichloro-propene (µg/L) | 1,4-Dioxane (µg/L) | Ethyl-ether (µg/L) | Ethyl-methacrylate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-09-101 4 | 03/15/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-09-101 4 | 07/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-09-105 | 09/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-09-106 | 09/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-67-09-1HB | 09/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| LR-68-08-902 | 09/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-38-8MC | 11/09/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-38-9BS | 10/11/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-38-9HC | 10/11/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-38-9JM | 10/11/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-38-9TW | 10/11/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-45-505 | 11/08/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-45-601 | 10/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-46-5AK | 10/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-46-802 | 10/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-46-8DS | 10/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| RP-70-47-9GR | 10/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-33-502 | 06/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-41-102 | 06/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-41-303 | 06/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-41-901 | 06/27/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-42-506 | 06/29/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-42-506 | 08/24/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-42-806 | 06/23/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-68-49-201 | 06/23/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,3-Dichloro-propane (µg/L) | 2,2-Dichloro-propane (µg/L) | 1,2-Dichloro-propane (µg/L) | cis-1,3-Dichloro-propene (µg/L) | trans-1,3-Dichloro-propene (µg/L) | 1,1-Dichloro-propene (µg/L) | 1,4-Dioxane (µg/L) | Ethyl-ether (µg/L) | Ethyl-methacrylate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-69-47-303 | 06/29/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| TD-69-55-604 | 06/21/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP 69-43-9SC | 11/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-35-602 | 03/14/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-35-602 | 06/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-42-606 | 10/26/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-43-407 | 10/26/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-45-405 | 07/12/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-50-207 | 07/13/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-50-624 | 10/26/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |
| YP-69-51-114 | 07/12/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <100 | <1.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ethyl-benzene (µg/L) | Hexa-chloro-butadiene (µg/L) | 2-Hexanone (µg/L) | Iodo-methane (µg/L) | Isopropyl-benzene (µg/L) | 4-Isopropyl-toluene (µg/L) | Methyl-methacrylate (µg/L) | Methyl-tert-butyl-ether (µg/L) | 4-Methyl--2-Penta-none (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-27-303-1 | 07/06/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-27-303-2 | 03/16/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-27-303-2 | 07/06/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-27-303-2 | 12/20/11 | <1.00 | <5.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-27-610 | 01/20/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-27-612 | 02/08/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-27-6SK | 12/15/11 | <1.00 | <5.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-28-113 | 01/20/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-203 | 04/27/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-205 | 04/27/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-313 | 03/16/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-313 | 06/30/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-28-313 | 12/07/11 | <1.00 | <5.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-28-407 | 02/15/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-513 | 04/27/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-514 | 04/27/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-516 | 02/23/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-28-608 Standpipe | 03/15/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-29-109 | 08/16/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | 0.991J | <5.00 |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ethyl-benzene (µg/L) | Hexa-chloro-butadiene (µg/L) | 2-Hexanone (µg/L) | Iodo-methane (µg/L) | Isopropyl-benzene (µg/L) | 4-Isopropyl-toluene (µg/L) | Methyl-methacrylate (µg/L) | Methyl-tert-butyl-ether (µg/L) | 4-Methyl--2-Penta-none (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-29-216 | 02/14/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-29-217 | 02/16/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-29-401 | 08/16/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| AY-68-29-418 | 01/25/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-29-418 | 04/04/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| AY-68-29-419 | 08/16/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-22-805 | 06/22/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-22-903 | 06/28/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-23-203 | 06/20/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-23-203 | 08/17/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-23-303 | 06/20/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-23-303 | 08/17/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-23-304 | 03/09/11 | <1.00 | <9.62 | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| DX-68-23-504 | 06/28/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-30-221 | 06/28/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| DX-68-30-225 | 06/22/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR 67-01-505 | 11/01/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-01-704 | 09/21/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-01-7SF | 09/21/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-01-7SG | 09/21/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-01-810 | 09/20/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-01-8AR | 09/20/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-09-101 1 | 03/15/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ethyl-benzene (µg/L) | Hexa-chloro-butadiene (µg/L) | 2-Hexanone (µg/L) | Iodo-methane (µg/L) | Isopropyl-benzene (µg/L) | 4-Isopropyl-toluene (µg/L) | Methyl-methacrylate (µg/L) | Methyl-tert-butyl-ether (µg/L) | 4-Methyl--2-Penta-none (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-09-101 4 | 03/15/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| LR-67-09-101 4 | 07/05/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-09-105 | 09/28/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-09-106 | 09/28/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-67-09-1HB | 09/27/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| LR-68-08-902 | 09/21/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-38-8MC | 11/09/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-38-9BS | 10/11/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-38-9HC | 10/11/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-38-9JM | 10/11/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-38-9TW | 10/11/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-45-505 | 11/08/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-45-601 | 10/10/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-46-5AK | 10/10/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-46-802 | 10/10/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-46-8DS | 10/10/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| RP-70-47-9GR | 10/10/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-33-502 | 06/21/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-41-102 | 06/27/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-41-303 | 06/27/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-41-901 | 06/27/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-42-506 | 06/29/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-42-506 | 08/24/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-42-806 | 06/23/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-68-49-201 | 06/23/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ethyl-benzene (µg/L) | Hexa-chloro-butadiene (µg/L) | 2-Hexa-none (µg/L) | Iodometh ane (µg/L) | Isopropyl-benzene (µg/L) | 4-Isopropyl-toluene (µg/L) | Methyl-methacryl ate (µg/L) | Methyl-tert-butyl-ether (µg/L) | 4-Methyl--2-Penta-none (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-69-47-303 | 06/29/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| TD-69-55-604 | 06/21/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP 69-43-9SC | 11/07/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP-69-35-602 | 03/14/11 | <1.00 | NA | <5.00 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 |
| YP-69-35-602 | 06/28/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP-69-42-606 | 10/26/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP-69-43-407 | 10/26/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP-69-45-405 | 07/12/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP-69-50-207 | 07/13/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP-69-50-624 | 10/26/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |
| YP-69-51-114 | 07/12/11 | <1.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methylene Chloride (µg/L) | Naphthalene (µg/L) | 2-Nitro-propane (µg/L) | n-Propyl-benzene (µg/L) | Styrene (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) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <5.00 | <0.0476 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-1 | 07/06/11 | <5.00 | <0.0495 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 03/16/11 | <5.00 | <0.0476 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 07/06/11 | <5.00 | <0.0495 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 12/20/11 | <5.00 | <0.0481 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-610 | 01/20/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-27-612 | 02/08/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-27-6SK | 12/15/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-113 | 01/20/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-203 | 04/27/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-205 | 04/27/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 03/16/11 | <5.00 | <0.0472 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 06/30/11 | <5.00 | <0.0485 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 12/07/11 | <5.00 | <0.0476 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-407 | 02/15/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-513 | 04/27/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-514 | 04/27/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-516 | 02/23/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-28-608 Standpipe | 03/15/11 | <5.00 | <0.0467 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-29-109 | 08/16/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-112 | 01/04/11 | NA | <9.90 | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | <10.0 | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | <9.43 | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-29-113 | 01/04/11 | NA | <9.43 | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methylene Chloride (µg/L) | Naphthalene (µg/L) | 2-Nitro-propane (µg/L) | n-Propyl-benzene (µg/L) | Styrene (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) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | <10.0 | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | <9.52 | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-29-216 | 02/14/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-29-217 | 02/16/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| AY-68-29-401 | 08/16/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-418 | 01/25/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | 1.68 | <1.00 |
| AY-68-29-418 | 04/04/11 | <5.00 | NA | <5.00 | NA | <1.00 | NA | <1.00 | 2.02 | <1.00 |
| AY-68-29-419 | 08/16/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 0.284J | <1.00 |
| DX-68-22-805 | 06/22/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-22-903 | 06/28/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 06/20/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 08/17/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-303 | 06/20/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-303 | 08/17/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-304 | 03/09/11 | <5.00 | <9.62 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| DX-68-23-504 | 06/28/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-30-221 | 06/28/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-30-225 | 06/22/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR 67-01-505 | 11/01/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-704 | 09/21/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-7SF | 09/21/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-7SG | 09/21/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-810 | 09/20/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-8AR | 09/20/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 1 | 03/15/11 | <5.00 | <0.0481 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methylene Chloride (µg/L) | Naphthalene (µg/L) | 2-Nitro-propane (µg/L) | n-Propyl-benzene (µg/L) | Styrene (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) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <5.00 | <0.0476 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 4 | 03/15/11 | <5.00 | <0.0481 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 4 | 07/05/11 | <5.00 | <0.0481 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-105 | 09/28/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-106 | 09/28/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-1HB | 09/27/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-68-08-902 | 09/21/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-8MC | 11/09/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9BS | 10/11/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9HC | 10/11/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9JM | 10/11/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9TW | 10/11/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-505 | 11/08/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-601 | 10/10/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-5AK | 10/10/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-802 | 10/10/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-8DS | 10/10/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-47-9GR | 10/10/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-33-502 | 06/21/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-102 | 06/27/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-303 | 06/27/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-901 | 06/27/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-506 | 06/29/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-506 | 08/24/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-806 | 06/23/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-49-201 | 06/23/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methylene Chloride (µg/L) | Naphthalene (µg/L) | 2-Nitro-propane (µg/L) | n-Propyl-benzene (µg/L) | Styrene (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) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-69-47-303 | 06/29/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-69-55-604 | 06/21/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP 69-43-9SC | 11/07/11 | <5.00 | 0.504J | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-35-602 | 03/14/11 | <5.00 | 0.0358 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 |
| YP-69-35-602 | 06/28/11 | <5.00 | <0.0667 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-42-606 | 10/26/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-43-407 | 10/26/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-45-405 | 07/12/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-50-207 | 07/13/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-50-624 | 10/26/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-51-114 | 07/12/11 | <5.00 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 2.83 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trichloro-benzene (µg/L) | 1,2,3-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) | 1,2,3-Trichloro-propane (µg/L) | 1,1,2-Trichloro-trifluoro-ethane (µg/L) | 1,3,5-Trimethyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-1 | 07/06/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 03/16/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 07/06/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-303-2 | 12/20/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| AY-68-27-610 | 01/20/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-612 | 02/08/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-27-6SK | 12/15/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| AY-68-28-113 | 01/20/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-203 | 04/27/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-205 | 04/27/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 03/16/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 06/30/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-313 | 12/07/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| AY-68-28-407 | 02/15/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-513 | 04/27/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-514 | 04/27/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-516 | 02/23/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-28-608 Standpipe | 03/15/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-109 | 08/16/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trichloro-benzene (µg/L) | 1,2,3-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) | 1,2,3-Trichloro-propane (µg/L) | 1,1,2-Trichloro-trifluoro-ethane (µg/L) | 1,3,5-Trimethyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-216 | 02/14/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-217 | 02/16/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-401 | 08/16/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-418 | 01/25/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-418 | 04/04/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| AY-68-29-419 | 08/16/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-22-805 | 06/22/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-22-903 | 06/28/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 06/20/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-203 | 08/17/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-303 | 06/20/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-303 | 08/17/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-304 | 03/09/11 | <9.62 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-504 | 06/28/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-30-221 | 06/28/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-30-225 | 06/22/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR 67-01-505 | 11/01/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-704 | 09/21/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-7SF | 09/21/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-7SG | 09/21/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-810 | 09/20/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-8AR | 09/20/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 1 | 03/15/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trichloro-benzene (µg/L) | 1,2,3-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) | 1,2,3-Trichloro-propane (µg/L) | 1,1,2-Trichloro-trifluoro-ethane (µg/L) | 1,3,5-Trimethyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 4 | 03/15/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-101 4 | 07/05/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-105 | 09/28/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-106 | 09/28/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-09-1HB | 09/27/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-68-08-902 | 09/21/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-8MC | 11/09/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9BS | 10/11/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9HC | 10/11/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9JM | 10/11/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-38-9TW | 10/11/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-505 | 11/08/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-601 | 10/10/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-5AK | 10/10/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-802 | 10/10/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-46-8DS | 10/10/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-47-9GR | 10/10/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-33-502 | 06/21/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-102 | 06/27/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-303 | 06/27/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-41-901 | 06/27/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-506 | 06/29/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-506 | 08/24/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-42-806 | 06/23/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-68-49-201 | 06/23/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trichloro-benzene (µg/L) | 1,2,3-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) | 1,2,3-Trichloro-propane (µg/L) | 1,1,2-Trichloro-trifluoro-ethane (µg/L) | 1,3,5-Trimethyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-69-47-303 | 06/29/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| TD-69-55-604 | 06/21/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP 69-43-9SC | 11/07/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-35-602 | 03/14/11 | NA | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-35-602 | 06/28/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-42-606 | 10/26/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-43-407 | 10/26/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-45-405 | 07/12/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-50-207 | 07/13/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-50-624 | 10/26/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| YP-69-51-114 | 07/12/11 | <5.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trimethyl-benzene (µg/L) | Vinyl acetate (µg/L) | Vinyl chloride (µg/L) | m,p-Xylene (µg/L) | o-Xylene (µg/L) | m,p-Xylene (µg/L) |
|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-27-303-1 | 07/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-27-303-2 | 03/16/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-27-303-2 | 07/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-27-303-2 | 12/20/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-27-610 | 01/20/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-27-612 | 02/08/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-27-6SK | 12/15/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-28-113 | 01/20/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-203 | 04/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-205 | 04/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-313 | 03/16/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-313 | 06/30/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-28-313 | 12/07/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-28-407 | 02/15/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-513 | 04/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-514 | 04/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-516 | 02/23/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-28-608 Standpipe | 03/15/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-29-109 | 08/16/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trimethyl-benzene (µg/L) | Vinyl acetate (µg/L) | Vinyl chloride (µg/L) | m,p-Xylene (µg/L) | o-Xylene (µg/L) | m,p-Xylene (µg/L) |
|---|---|---|---|---|---|---|---|
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA |
| AY-68-29-214 | 01/24/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-29-216 | 02/14/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-29-217 | 02/16/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-29-401 | 08/16/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| AY-68-29-418 | 01/25/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-29-418 | 04/04/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| AY-68-29-419 | 08/16/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-22-805 | 06/22/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-22-903 | 06/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-203 | 06/20/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-203 | 08/17/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-303 | 06/20/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-303 | 08/17/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-304 | 03/09/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-23-504 | 06/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-30-221 | 06/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-30-225 | 06/22/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR 67-01-505 | 11/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-704 | 09/21/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-7SF | 09/21/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-7SG | 09/21/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-810 | 09/20/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-8AR | 09/20/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-09-101 1 | 03/15/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trimethyl-benzene (µg/L) | Vinyl acetate (µg/L) | Vinyl chloride (µg/L) | m,p-Xylene (µg/L) | o-Xylene (µg/L) | m,p-Xylene (µg/L) |
|---|---|---|---|---|---|---|---|
| LR-67-09-101 1 | 07/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-09-101 4 | 03/15/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-09-101 4 | 07/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-09-105 | 09/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-09-106 | 09/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-09-1HB | 09/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-68-08-902 | 09/21/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-38-8MC | 11/09/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-38-9BS | 10/11/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-38-9HC | 10/11/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-38-9JM | 10/11/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-38-9TW | 10/11/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-45-505 | 11/08/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-45-601 | 10/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-46-5AK | 10/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-46-802 | 10/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-46-8DS | 10/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-47-9GR | 10/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-68-33-502 | 06/21/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-68-41-102 | 06/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-68-41-303 | 06/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-68-41-901 | 06/27/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-68-42-506 | 06/29/11 | <1.00 | <5.00 | <1.00 | 0.381J | <1.00 | 0.275J |
| TD-68-42-506 | 08/24/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-68-42-806 | 06/23/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-68-49-201 | 06/23/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |

**Table C-6. (cont.)** Analytical data for volatile organic compounds (VOC) from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trimethyl-benzene (µg/L) | Vinyl acetate (µg/L) | Vinyl chloride (µg/L) | m,p-Xylene (µg/L) | o-Xylene (µg/L) | m,p-Xylene (µg/L) |
|---|---|---|---|---|---|---|---|
| TD-68-49-301 | 06/29/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-69-47-303 | 06/29/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| TD-69-55-604 | 06/21/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP 69-43-9SC | 11/07/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP-69-35-602 | 03/14/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| YP-69-35-602 | 06/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP-69-42-606 | 10/26/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP-69-43-407 | 10/26/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP-69-45-405 | 07/12/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP-69-50-207 | 07/13/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP-69-50-624 | 10/26/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| YP-69-51-114 | 07/12/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |

NA = Not Analyzed
J = Analyte detected at concentration below reporting limit.

**Table C-7.** Analytical data for semivolatile (SVOC) organic compounds from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acena-phthene (µg/L) | Acena-phthylene (µg/L) | Anthracene (µg/L) | Benzo(a)-anthra-cene (µg/L) | Benzo(a)-pyrene (µg/L) | Benzo(b)-fluor-anthene (µg/L) | Benzo(g,h,l)-perylene (µg/L) | Benzo(k)-fluor-anthene (µg/L) | Benzyl Alcohol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | NA |
| AY-68-27-303-1 | 07/06/11 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | NA |
| AY-68-27-303-2 | 03/16/11 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | NA |
| AY-68-27-303-2 | 07/06/11 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | NA |
| AY-68-27-303-2 | 12/20/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | NA |
| AY-68-28-313 | 03/16/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | NA |
| AY-68-28-313 | 06/30/11 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | NA |
| AY-68-28-313 | 12/07/11 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | NA |
| AY-68-28-608 Standpipe | 03/15/11 | <0.00467 | <0.00467 | <0.00467 | <0.00467 | <0.00467 | <0.00467 | <0.00467 | <0.00467 | NA |
| AY-68-29-112 | 01/04/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | NA |
| AY-68-29-112 | 01/10/11 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | NA |
| AY-68-29-112 | 01/21/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | NA |
| AY-68-29-113 | 01/04/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | NA |
| AY-68-29-113 | 01/10/11 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | <10.00 | NA |
| AY-68-29-113 | 01/21/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | NA |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| LR-67-09-101 1 | 03/15/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | NA |
| LR-67-09-101 1 | 07/05/11 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | NA |
| LR-67-09-101 4 | 03/15/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | NA |
| LR-67-09-101 4 | 07/05/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | NA |
| YP-69-35-602 | 03/14/11 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | NA |
| YP-69-35-602 | 06/28/11 | <0.0667 | <0.0667 | <0.0667 | <0.0667 | <0.0667 | <0.0667 | <0.0667 | <0.0667 | NA |

**Table C-7. (cont.)** Analytical data for semivolatile (SVOC) organic compounds from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Bis (2-chloro-ethoxy) methane (µg/L) | Bis (2-chloro-ethyl-) ether (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) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-27-303-1 | 07/06/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-27-303-2 | 03/16/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-27-303-2 | 07/06/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-27-303-2 | 12/20/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-28-313 | 03/16/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-28-313 | 06/30/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-28-313 | 12/07/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-28-608 Standpipe | 03/15/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| LR-67-09-101 1 | 03/15/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-09-101 1 | 07/05/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-09-101 4 | 03/15/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-09-101 4 | 07/05/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| YP-69-35-602 | 03/14/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| YP-69-35-602 | 06/28/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table C-7. (cont.)** Analytical data for semivolatile (SVOC) organic compounds from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4-Chloro-phenyl phenyl ether (µg/L) | Chrysene (µg/L) | Dibenz (a,h) anthracene (µg/L) | Dibenzo furan (µg/L) | 3,3'-Dichloro-benzidine (µg/L) | 2,4-Dichloro-phenol (µg/L) | Diethyl-phthalate (µg/L) | Dimethyl-phthalate (µg/L) | 2,4-Dimethyl-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | NA | <0.0476 | <0.0476 | <0.0476 | NA | NA | NA | NA | NA |
| AY-68-27-303-1 | 07/06/11 | NA | <0.0495 | <0.0495 | <0.0495 | NA | NA | NA | NA | NA |
| AY-68-27-303-2 | 03/16/11 | NA | <0.0476 | <0.0476 | <0.0476 | NA | NA | NA | NA | NA |
| AY-68-27-303-2 | 07/06/11 | NA | <0.0495 | <0.0495 | <0.0495 | NA | NA | NA | NA | NA |
| AY-68-27-303-2 | 12/20/11 | NA | <0.0481 | <0.0481 | <0.0481 | NA | NA | NA | NA | NA |
| AY-68-28-313 | 03/16/11 | NA | <0.0472 | <0.0472 | <0.0472 | NA | NA | NA | NA | NA |
| AY-68-28-313 | 06/30/11 | NA | <0.0485 | <0.0485 | <0.0485 | NA | NA | NA | NA | NA |
| AY-68-28-313 | 12/07/11 | NA | <0.0476 | <0.0476 | <0.0476 | NA | NA | NA | NA | NA |
| AY-68-28-608 Standpipe | 03/15/11 | NA | <0.0467 | <0.0467 | <0.0467 | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/04/11 | NA | <9.90 | <9.90 | <9.90 | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | <10.00 | <10.00 | <10.0 | NA | NA | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | <9.43 | <9.43 | <9.43 | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | NA | <9.43 | <9.43 | <9.43 | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/10/11 | NA | <10.00 | <10.00 | <10.00 | NA | NA | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | <9.52 | <9.52 | <9.52 | NA | NA | NA | NA | NA |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| LR-67-09-101 1 | 03/15/11 | NA | <0.0481 | <0.0481 | <0.0481 | NA | NA | NA | NA | NA |
| LR-67-09-101 1 | 07/05/11 | NA | <0.0476 | <0.0476 | <0.0476 | NA | NA | NA | NA | NA |
| LR-67-09-101 4 | 03/15/11 | NA | <0.0481 | <0.0481 | <0.0481 | NA | NA | NA | NA | NA |
| LR-67-09-101 4 | 07/05/11 | NA | <0.0481 | <0.0481 | <0.0481 | NA | NA | NA | NA | NA |
| YP-69-35-602 | 03/14/11 | NA | <0.0485 | <0.0485 | <0.0485 | NA | NA | NA | NA | NA |
| YP-69-35-602 | 06/28/11 | NA | <0.0667 | <0.0667 | <0.0667 | NA | NA | NA | NA | NA |

**Table C-7. (cont.)** Analytical data for semivolatile (SVOC) organic compounds from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 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) | Fluoranthene (µg/L) | Fluorene (µg/L) | 2-Fluoro-phenol (percent) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | NA | NA | NA | NA | NA | NA | <0.0476 | <0.0476 | NA |
| AY-68-27-303-1 | 07/06/11 | NA | NA | NA | NA | NA | NA | <0.0495 | <0.0495 | NA |
| AY-68-27-303-2 | 03/16/11 | NA | NA | NA | NA | NA | NA | <0.0476 | <0.0476 | NA |
| AY-68-27-303-2 | 07/06/11 | NA | NA | NA | NA | NA | NA | <0.0495 | <0.0495 | NA |
| AY-68-27-303-2 | 12/20/11 | NA | NA | NA | NA | NA | NA | <0.0481 | <0.0481 | NA |
| AY-68-28-313 | 03/16/11 | NA | NA | NA | NA | NA | NA | <0.0472 | <0.0472 | NA |
| AY-68-28-313 | 06/30/11 | NA | NA | NA | NA | NA | NA | <0.0485 | <0.0485 | NA |
| AY-68-28-313 | 12/07/11 | NA | NA | NA | NA | NA | NA | <0.0476 | <0.0476 | NA |
| AY-68-28-608 Standpipe | 03/15/11 | NA | NA | NA | NA | NA | NA | <0.0467 | <0.0467 | NA |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | <9.90 | <9.90 | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | <10.00 | <10.00 | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | <9.43 | <9.43 | NA |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | <9.43 | <9.43 | NA |
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | <10.00 | <10.00 | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | <9.52 | <9.52 | NA |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | NA |
| LR-67-09-101 1 | 03/15/11 | NA | NA | NA | NA | NA | NA | <0.0481 | <0.0481 | NA |
| LR-67-09-101 1 | 07/05/11 | NA | NA | NA | NA | NA | NA | <0.0476 | <0.0476 | NA |
| LR-67-09-101 4 | 03/15/11 | NA | NA | NA | NA | NA | NA | <0.0481 | <0.0481 | NA |
| LR-67-09-101 4 | 07/05/11 | NA | NA | NA | NA | NA | NA | <0.0481 | <0.0481 | NA |
| YP-69-35-602 | 03/14/11 | NA | NA | NA | NA | NA | NA | <0.0485 | <0.0485 | NA |
| YP-69-35-602 | 06/28/11 | NA | NA | NA | NA | NA | NA | <0.0667 | <0.0667 | NA |

**Table C-7. (cont.)** Analytical data for semivolatile (SVOC) organic compounds from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Hexa-chloro-benzene (µg/L) | Hexa-chloro-cyclo Pentadiene (µg/L) | Hexa-chloro-ethane (µg/L) | Indeno (1,2,3-cd) pyrene (µg/L) | Isophorone (µg/L) | 2-Methyl-naphthalene (µg/L) | 3,4-Methyl-phenol (µg/L) | 2-Methyl-phenol (µg/L) | 4-Nitro-aniline (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | NA | NA | NA | <0.0476 | NA | <0.0476 | NA | NA | NA |
| AY-68-27-303-1 | 07/06/11 | NA | NA | NA | <0.0495 | NA | <0.0495 | NA | NA | NA |
| AY-68-27-303-2 | 03/16/11 | NA | NA | NA | <0.0476 | NA | <0.0476 | NA | NA | NA |
| AY-68-27-303-2 | 07/06/11 | NA | NA | NA | <0.0495 | NA | <0.0495 | NA | NA | NA |
| AY-68-27-303-2 | 12/20/11 | NA | NA | NA | <0.0481 | NA | <0.0481 | NA | NA | NA |
| AY-68-28-313 | 03/16/11 | NA | NA | NA | <0.0472 | NA | <0.0472 | NA | NA | NA |
| AY-68-28-313 | 06/30/11 | NA | NA | NA | <0.0485 | NA | <0.0485 | NA | NA | NA |
| AY-68-28-313 | 12/07/11 | NA | NA | NA | <0.0476 | NA | <0.0476 | NA | NA | NA |
| AY-68-28-608 Standpipe | 03/15/11 | NA | NA | NA | <0.0467 | NA | <0.0467 | NA | NA | NA |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | <9.90 | NA | <9.90 | NA | NA | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | <10.00 | NA | <10.00 | NA | NA | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | <9.43 | NA | <9.43 | NA | NA | NA |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | <9.43 | NA | <9.43 | NA | NA | NA |
| AY-68-29-113 | 01/10/11 | NA | NA | NA | <10.00 | NA | <10.00 | NA | NA | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | <9.52 | NA | <9.52 | NA | NA | NA |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <19.2 | <9.62 | <9.62 |
| LR-67-09-101 1 | 03/15/11 | NA | NA | NA | <0.0481 | NA | <0.0481 | NA | NA | NA |
| LR-67-09-101 1 | 07/05/11 | NA | NA | NA | <0.0476 | NA | <0.0476 | NA | NA | NA |
| LR-67-09-101 4 | 03/15/11 | NA | NA | NA | <0.0481 | NA | <0.0481 | NA | NA | NA |
| LR-67-09-101 4 | 07/05/11 | NA | NA | NA | <0.0481 | NA | <0.0481 | NA | NA | NA |
| YP-69-35-602 | 03/14/11 | NA | NA | NA | <0.0485 | NA | <0.0485 | NA | NA | NA |
| YP-69-35-602 | 06/28/11 | NA | NA | NA | <0.0667 | NA | <0.0667 | NA | NA | NA |

**Table C-7. (cont.)** Analytical data for semivolatile (SVOC) organic compounds from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Nitro-aniline (µg/L) | 3-Nitro-aniline (µg/L) | Nitro-benzene (µg/L) | 4-Nitro-phenol (µg/L) | 2-Nitro-phenol (µg/L) | n-Nitro-sodi-n-propyl-amine (µg/L) | n-Nitro-sodiphenylamine (µg/L) | Phenanthrene (µg/L) | Phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | NA | NA | NA | NA | NA | NA | NA | <0.0476 | NA |
| AY-68-27-303-1 | 07/06/11 | NA | NA | NA | NA | NA | NA | NA | <0.0495 | NA |
| AY-68-27-303-2 | 03/16/11 | NA | NA | NA | NA | NA | NA | NA | <0.0476 | NA |
| AY-68-27-303-2 | 07/06/11 | NA | NA | NA | NA | NA | NA | NA | <0.0495 | NA |
| AY-68-27-303-2 | 12/20/11 | NA | NA | NA | NA | NA | NA | NA | <0.0481 | NA |
| AY-68-28-313 | 03/16/11 | NA | NA | NA | NA | NA | NA | NA | <0.0472 | NA |
| AY-68-28-313 | 06/30/11 | NA | NA | NA | NA | NA | NA | NA | <0.0485 | NA |
| AY-68-28-313 | 12/07/11 | NA | NA | NA | NA | NA | NA | NA | <0.0476 | NA |
| AY-68-28-608 Standpipe | 03/15/11 | NA | NA | NA | NA | NA | NA | NA | <0.0467 | NA |
| AY-68-29-112 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | <9.90 | NA |
| AY-68-29-112 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | <10.00 | NA |
| AY-68-29-112 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | <9.43 | NA |
| AY-68-29-113 | 01/04/11 | NA | NA | NA | NA | NA | NA | NA | <9.43 | NA |
| AY-68-29-113 | 01/10/11 | NA | NA | NA | NA | NA | NA | NA | <10.0 | NA |
| AY-68-29-113 | 01/21/11 | NA | NA | NA | NA | NA | NA | NA | <9.52 | NA |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| LR-67-09-101 1 | 03/15/11 | NA | NA | NA | NA | NA | NA | NA | <0.0481 | NA |
| LR-67-09-101 1 | 07/05/11 | NA | NA | NA | NA | NA | NA | NA | <0.0476 | NA |
| LR-67-09-101 4 | 03/15/11 | NA | NA | NA | NA | NA | NA | NA | <0.0481 | NA |
| LR-67-09-101 4 | 07/05/11 | NA | NA | NA | NA | NA | NA | NA | <0.0481 | NA |
| YP-69-35-602 | 03/14/11 | NA | NA | NA | NA | NA | NA | NA | <0.0485 | NA |
| YP-69-35-602 | 06/28/11 | NA | NA | NA | NA | NA | NA | NA | <0.0667 | NA |

**Table C-7. (cont.)** Analytical data for semivolatile (SVOC) organic compounds from wells completed in the Edwards Aquifer, 2011

| Station Name | Date Sampled | Pyrene (µg/L) | 2,4,6-Trichloro-phenol (µg/L) | 2,4,5-Trichloro-phenol (µg/L) |
|---|---|---|---|---|
| AY-68-27-303-1 | 03/16/11 | <0.0476 | NA | NA |
| AY-68-27-303-1 | 07/06/11 | <0.0495 | NA | NA |
| AY-68-27-303-2 | 03/16/11 | <0.0476 | NA | NA |
| AY-68-27-303-2 | 07/06/11 | <0.0495 | NA | NA |
| AY-68-27-303-2 | 12/20/11 | <0.0481 | NA | NA |
| AY-68-28-313 | 03/16/11 | <0.0472 | NA | NA |
| AY-68-28-313 | 06/30/11 | <0.0485 | NA | NA |
| AY-68-28-313 | 12/07/11 | <0.0476 | NA | NA |
| AY-68-28-608 Standpipe | 03/15/11 | <0.0467 | NA | NA |
| AY-68-29-112 | 01/04/11 | <9.90 | NA | NA |
| AY-68-29-112 | 01/10/11 | <10.00 | NA | NA |
| AY-68-29-112 | 01/21/11 | <9.43 | NA | NA |
| AY-68-29-113 | 01/04/11 | <9.43 | NA | NA |
| AY-68-29-113 | 01/10/11 | <10.00 | NA | NA |
| AY-68-29-113 | 01/21/11 | <9.52 | NA | NA |
| DX-68-23-304 | 03/09/11 | <9.62 | <9.62 | <9.62 |
| LR-67-09-101 1 | 03/15/11 | <0.0481 | NA | NA |
| LR-67-09-101 1 | 07/05/11 | <0.0476 | NA | NA |
| LR-67-09-101 4 | 03/15/11 | <0.0481 | NA | |

**Table C-8.** Field measurements, bacteria counts, and dissolved oxygen in water samples from streams crossing the Edwards Aquifer Recharge Zone and springs discharging

| Station Name | Date Sampled | Time Sampled | Water Temp (deg C) | Field Conductivity (µg/L) | Field pH (std units) | Field Alkalinity (mg/L) | Turb. (NTU) | Fecal Coliform (CFU/100ml) | Fecal Strep (CFU/100ml) | E. Coli (CFU/100mL) | Field Dissolved Oxygen (mg/L) | *OP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blanco River at Wimberley | 05/23/11 | 9:50 | 25.90 | 460 | 7.91 | 194 | 1.35 | 76 | 190 | NA | NA | NA |
| Blanco River at Wimberley | 10/17/11 | 10:30 | 21.70 | 353 | 5.8 | 163 | 2.17 | NA | NA | 130 | NA | NA |
| Nueces River at Laguna | 05/24/11 | 15:35 | 29.40 | 403 | 7.97 | 174.00 | 0.6 | NA | NA | NA | 13.86 | NA |
| Nueces River at Laguna | 10/18/11 | 16:30 | 24.20 | 375 | 6.00 | 197.00 | 0.37 | NA | NA | 6.00 | NA | NA |
| Nueces River at 334 | 05/24/11 | 16:40 | 32.40 | 284 | 7.94 | 95.00 | 0.86 | NA | NA | NA | 13.86 | NA |
| Dry Frio River at Reagan Wells | 05/25/11 | 9:15 | 25.20 | 400 | 7.46 | 191 | 0.51 | 32 | 220 | NA | NA | NA |
| Dry Frio River at Reagan Wells | 10/19/11 | 10:05 | 17.90 | 360 | 6.00 | 212 | 0.25 | NA | NA | 130 | NA | NA |
| Frio River at Concan | 05/25/11 | 8:30 | 26.40 | 411 | 8.03 | 169 | 0.95 | 52 | 230 | NA | NA | NA |
| Frio River at Concan | 10/19/11 | 10:55 | 20.70 | 407 | 6.00 | 184 | NA | NA | NA | 120 | NA | NA |
| Sabinal River near Sabinal | 05/25/11 | 10:10 | 26.30 | 471 | 7.31 | 187 | 1.16 | 40 | 2700 | NA | NA | NA |
| Seco Creek at Miller Ranch | 05/25/11 | 11:00 | 29.30 | 592 | 8.03 | 89 | 7.24 | 620 | 400 | NA | NA | NA |
| Hondo Creek near Tarpley | 05/26/11 | 10:15 | 25.40 | 414 | 7.24 | 140 | 0.92 | 460 | 250 | NA | NA | NA |
| Hondo Creek near Tarpley | 10/20/11 | 9:35 | 17.50 | 386 | 5.80 | 146 | 0.25 | NA | NA | 62 | NA | NA |
| Medina River at Bandera | 05/31/11 | 10:45 | 27.90 | 752 | 8.01 | 173.00 | 3.4 | 180 | 60 | NA | NA | NA |
| Medina River at Bandera | 10/20/11 | 9:35 | 17.50 | 386 | 5.80 | 146.00 | 0.25 | NA | NA | NA | NA | NA |
| | | | | | | | | | | | | |
| DX-68-23-301 (Comal Sp.) | 01/10/11 | 10:40 | 23.30 | 521 | 7.23 | 234 | 0.61 | 4 | 27 | NA | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 02/10/11 | 10:55 | 23.30 | 514 | 7.33 | 242 | NA | <2 | 3 | NA | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 03/02/11 | 8:30 | 23.30 | 525 | 7.12 | 244 | 0.53 | <2 | <2 | NA | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 04/05/11 | 11:55 | 23.50 | 523 | 7.46 | 237 | 0.58 | <1 | <1 | NA | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 05/03/11 | 10:20 | 23.20 | 526 | 6.99 | 243 | 0.17 | <1 | <1 | NA | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 06/07/11 | 10:35 | 23.70 | 521 | 7.40 | 240 | 0.55 | <2 | 2 | NA | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 07/06/11 | 9:40 | 23.40 | 516 | 7.56 | 242 | 0.10 | <1 | 1 | NA | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 09/07/11 | 9:20 | 23.40 | 532 | NA | 244 | 1.17 | NA | NA | 3 | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 08/02/11 | 10:30 | 23.50 | 520 | 7.26 | 243 | 0.37 | NA | NA | NA | NA | NA |
| DX-68-23-301 (Comal Sp.) | 10/05/11 | 9:30 | 23.50 | 518 | 6.40 | 240 | NA | NA | NA | <1 | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 11/02/11 | 11:35 | 23.50 | 510 | 6.00 | 250 | 0.11 | NA | NA | <1 | NA | <0.02 |
| DX-68-23-301 (Comal Sp.) | 12/06/11 | 9:05 | 23.30 | 521 | 7.14 | 233 | 0.29 | NA | NA | <1 | NA | <0.02 |
| Comal Springs #3 | 1/13/2011 | 10:25 | 23.50 | 513 | 7.11 | 248 | NA | <2 | 4 | NA | NA | <0.02 |
| Comal Springs #3 | 2/10/2011 | 11:20 | 23.50 | 520 | 7.18 | 237 | NA | <1 | 1 | NA | NA | <0.02 |
| Comal Springs #3 | 3/2/2011 | 8:55 | 23.40 | 520 | 7.27 | 237 | 0.14 | <1 | <1 | NA | NA | <0.02 |
| Comal Springs #3 | 4/5/2011 | 12:15 | 23.60 | 523 | 7.23 | 241 | 0.59 | NA | NA | NA | NA | NA |
| Comal Springs #3 | 05/04/11 | 10:35 | 23.50 | 528 | 6.76 | 239 | 0.65 | <2 | <2 | NA | NA | <0.02 |
| Comal Springs #3 | 06/07/11 | 10:05 | 23.60 | 526 | 7.04 | 240 | 0.51 | 3 | 6 | NA | NA | <0.02 |
| Comal Springs #3 | 07/06/11 | 10:00 | 23.50 | 516 | 7.22 | 234 | 0.04 | <1 | 2 | NA | NA | <0.02 |
| Comal Springs #3 | 08/02/11 | 10:55 | 23.70 | 515 | 7.44 | 245 | 0.10 | NA | <1 | NA | NA | <0.02 |
| Comal Springs #3 | 09/07/11 | 10:00 | 23.50 | 519 | NA | 252 | 1.35 | NA | NA | <1 | NA | <0.02 |
| Comal Springs #3 | 10/03/11 | 10:40 | 23.60 | 524 | 6.40 | 243 | NA | NA | NA | NA | NA | <0.02 |
| Comal Springs #3 | 10/05/11 | 9:30 | NA | NA | NA | NA | NA | NA | NA | <1 | NA | <0.02 |
| Comal Springs #3 | 11/01/11 | 12:05 | 23.60 | 515 | 5.80 | 258 | 0.26 | NA | NA | <1 | NA | <0.02 |
| Comal Springs #3 | 12/06/11 | 9:35 | 23.50 | 520 | 7.17 | 228 | 0.23 | NA | NA | <1 | NA | <0.02 |
| Comal Springs #7 | 1/13/2011 | 11:15 | 23.7 | 517 | 7.29 | 242 | 0.43 | <2 | <2 | NA | NA | <0.02 |
| Comal Springs #7 | 2/10/2011 | 11:45 | 21.9 | 501 | 7.47 | 237 | 0.28 | 2 | 10 | NA | NA | NA |
| Comal Springs #7 | 3/2/2011 | 9:20 | 23.8 | 520 | 7.62 | 240 | NA | <1 | <1 | NA | NA | NA |
| Comal Springs #7 | 4/6/2011 | 14:20 | 24.1 | 519 | 7.79 | 237 | 1.76 | NA | NA | NA | NA | NA |
| Comal Springs #7 | 5/4/2011 | 10:55 | 23.7 | 524 | 6.67 | 238 | 0.14 | <1 | <1 | NA | NA | <0.02 |
| Comal Springs #7 | 06/07/11 | 11:35 | 23.40 | 520 | 7.43 | 240 | 0.66 | 2 | 1 | NA | NA | <0.02 |
| Comal Springs #7 | 07/06/11 | 10:20 | 23.90 | 517 | 7.28 | 239 | 0.40 | <1 | 1 | NA | NA | <0.02 |
| Comal Springs #7 | 08/02/11 | 11:10 | 24.40 | 517 | 7.24 | 251 | 0.47 | 1 | <1 | NA | NA | <0.02 |

**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

| Station Name | Date Sampled | Time Sampled | Water Temp (deg C) | Field Conductivity (µg/L) | Field pH (std units) | Field Alkalinity (mg/L) | Turb. (NTU) | Fecal Coliform (CFU/100ml) | Fecal Strep (CFU/100ml) | E. Coli (CFU/100mL) | Field Dissolved Oxygen (mg/L) | *OP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | 11:35 | 23.90 | 513 | NA | 242 | NA | NA | NA | <1 | NA | <0.02 |
| Comal Springs #7 | 10/05/11 | 10:55 | 23.90 | 504 | 6.20 | 234 | NA | NA | NA | <1 | NA | <0.02 |
| Comal Springs #7 | 11/02/11 | 12:35 | 23.90 | 512 | 6.00 | 247 | 0.21 | NA | NA | <1 | NA | <0.02 |
| Comal Springs #7 | 12/06/11 | 10:45 | 23.70 | 509 | 7.15 | 243 | 0.61 | NA | NA | NA | NA | <0.02 |
| DX-68-15-901 (Hueco A) | 01/11/11 | 9:45 | 20.10 | 507 | 7.13 | 264 | 3.77 | 9 | 3 | NA | NA | NA |
| DX-68-15-901 (Hueco A) | 01/13/11 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | <0.02 |
| DX-68-15-901 (Hueco A) | 02/01/11 | 10:40 | 20.70 | 525 | 7.11 | 209 | 2.61 | 1 | <1 | NA | NA | <0.02 |
| DX-68-15-901 (Hueco A) | 03/01/11 | 10:10 | 20.70 | 503 | 7.00 | 277 | 0.67 | <2 | 2 | NA | NA | <0.02 |
| DX-68-15-901 (Hueco A) | 04/05/11 | 11:15 | 21.60 | 529 | 7.52 | 252 | 0.52 | 2 | <2 | NA | NA | <0.02 |
| DX-68-15-901 (Hueco A) | 05/03/11 | 9:35 | 21.90 | 532 | 6.69 | 260 | 0.38 | 2 | 2 | NA | NA | <0.02 |
| DX-68-15-901 (Hueco A) | 06/06/11 | 11:30 | 23.20 | 530 | 7.26 | 269 | 0.56 | 1 | 7 | NA | NA | <0.02 |
| DX-68-15-901 (Hueco A) | 07/05/11 | 11:35 | 23.60 | 529 | 7.46 | 252 | 0.32 | 59 | 15 | NA | NA | 0.23 |
| DX-68-15-901 (Hueco A) | 08/03/11 | 11:35 | 23.30 | 527 | 7.30 | 257 | 0.60 | NA | NA | NA | NA | NA |
| DX-68-15-901 (Hueco A) | 09/06/11 | 12:05 | 24.70 | 553 | NA | 269 | NA | NA | NA | NA | NA | <0.02 |
| Hueco Springs B | 01/11/11 | 10:20 | 19.00 | 491 | 7.45 | 279 | 1.91 | 15 | 2 | NA | NA | <0.02 |
| Hueco Springs B | 02/01/11 | 11:15 | 16.60 | 483 | 7.46 | 286 | 0.76 | 2 | 68 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 01/10/11 | 9:20 | 21.70 | 524 | 7.20 | 241 | 0.44 | <2 | <2 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 01/31/11 | 9:20 | 21.70 | 524 | 7.19 | 268 | 0.13 | <2 | 2 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 02/28/11 | 9:00 | 21.80 | 527 | 7.27 | 276 | NA | <2 | <2 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 04/04/11 | 9:15 | 23.10 | 533 | 7.28 | 261 | 0.71 | <2 | 2 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 05/02/11 | 9:30 | 21.60 | 533 | 7.11 | 236 | 0.15 | <2 | <2 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 06/06/11 | 9:15 | 22.20 | 535 | 7.77 | 258 | 0.68 | <2 | <2 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 07/05/11 | 9:35 | 22.00 | 534 | 7.15 | 260 | 0.13 | NA | NA | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 07/06/11 | 9:05 | NA | NA | NA | NA | NA | <2 | <2 | NA | NA | NA |
| LR-67-01-801 (San Marcos Sp.) | 08/03/11 | 9:30 | 22.1 | 527 | 7.28 | 273 | 0.42 | <2 | 2 | NA | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 09/06/11 | 9:40 | 22 | 526 | NA | 269 | NA | NA | NA | <1 | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 10/03/11 | 9:30 | 22.2 | 528 | 6.6 | 270 | NA | NA | NA | <1 | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 11/01/11 | 10:05 | 22 | 522 | 6 | 281 | 0.94 | NA | NA | <1 | NA | <0.02 |
| LR-67-01-801 (San Marcos Sp.) | 12/05/11 | 9:40 | 21.1 | 529 | 7.2 | 247 | 0.18 | NA | NA | 1 | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 01/19/11 | 9:45 | 21.30 | 548 | 7.41 | 272 | NA | <2 | <2 | NA | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 01/31/11 | 10:05 | 21.30 | 554 | 7.53 | 273 | 0.16 | 2 | <1 | NA | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 02/28/11 | 10:00 | 22.50 | 553 | 7.63 | 272 | NA | 5 | <1 | NA | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 04/04/11 | 10:05 | 22.70 | 551 | 7.58 | 279 | 0.68 | <1 | <1 | NA | NA | 0.05 |
| LR-67-01-819 (San Marcos Sp.) | 05/02/11 | 10:20 | 20.70 | 548 | 7.26 | 255 | 0.19 | <1 | <1 | NA | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 06/06/11 | 10:25 | 24.70 | 624 | 7.24 | 268 | 0.5 | <1 | <1 | NA | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 07/05/11 | 10:15 | 24.20 | 584 | 7.79 | 270 | 0.08 | <2 | 2 | NA | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 08/03/11 | 10:15 | 24.20 | 578 | 7.50 | 269 | 0.55 | <1 | <1 | NA | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 09/06/11 | 10:30 | 23.30 | 568 | NA | 275 | NA | NA | NA | 2 | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 09/28/11 | 10:20 | 23.40 | 550 | NA | 275 | 1.06 | NA | NA | <1 | NA | NA |
| LR-67-01-819 (San Marcos Sp.) | 11/02/11 | 10:20 | 22.40 | 546 | 6.00 | 270 | 0.47 | NA | NA | <1 | NA | <0.02 |
| LR-67-01-819 (San Marcos Sp.) | 12/05/11 | 10:25 | 20.10 | 571 | 7.28 | 257 | 0.30 | NA | NA | 1 | NA | <0.02 |
| San Antonio Springs | 01/12/11 | 10:00 | 24.00 | 425 | 7.39 | 215 | 0.94 | 82 | 54 | NA | NA | <0.02 |
| San Antonio Springs | 02/01/11 | 9:10 | 24.20 | 462 | 7.20 | 279 | 0.52 | 5 | 12 | NA | NA | NA |
| San Pedro Springs | 01/12/11 | 9:10 | 23.70 | 464 | 7.21 | 215 | 0.98 | 130 | 210 | NA | NA | <0.02 |
| San Pedro Springs | 02/01/11 | 8:05 | 23.70 | 471 | 7.27 | 210 | 0.45 | 6 | 65 | NA | NA | <0.02 |
| San Pedro Springs | 03/03/11 | 9:00 | 23.70 | 431 | 7.31 | 232 | NA | 110 | 210 | NA | NA | <0.02 |
| San Pedro Springs | 04/06/11 | 9:20 | 23.10 | 468 | NA | 224 | 1.18 | 32 | 680 | NA | NA | <0.02 |
| RP-70-45-501 (Las Moras Sp.) | 10/10/11 | 11:20 | 23.40 | 397 | 6.20 | 208 | 1.23 | NA | NA | NA | NA | NA |

*OP = Dissolved orthophosphate

Turb. = Turbidity

NA = Not analyzed.

**Table C-9.** Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | 65.9 | 8.97 | 14.3 | 1.47 | 17.2 | 16.5 | 0.168 | 5.60 | 261 |
| San Antonio Springs | 02/01/11 | 66.8 | 8.51 | 14.6 | 1.10 | 17.1 | 23.3 | 0.204 | 5.67 | 276 |
| San Pedro Springs | 01/12/11 | 69.2 | 9.61 | 14.3 | 1.42 | 18.0 | 18.4 | 0.171 | 5.66 | 277 |
| San Pedro Springs | 02/01/11 | 67.6 | 8.99 | 14.2 | 1.10 | 18.3 | 17.7 | 0.224 | 5.75 | 268 |
| San Pedro Springs | 03/03/11 | 65.7 | 11.3 | 16.6 | 1.15 | 18.3 | 15.7 | 0.292 | 5.44 | 266 |
| San Pedro Springs | 04/06/11 | 66.6 | 9.54 | 15.3 | 0.971J | 19.3 | 18.9 | 0.105 | 6.34 | 278 |
| Comal Springs #3 | 01/13/11 | 80.1 | 9.61 | 15.5 | 1.57 | 16.8 | 24.8 | 0.194 | 5.31 | 317 |
| Comal Springs #3 | 02/10/11 | 81.5 | 9.48 | 14.7 | 1.41 | 18.3 | 24.9 | 0.178 | 5.52 | 319 |
| Comal Springs #3 | 03/02/11 | 84.6 | <1.00 | <0.500 | 1.40 | 17.0 | 21.4 | 0.0810J | 5.19 | 321 |
| Comal Springs #3 | 04/05/11 | 76.6 | 9.77 | 15.2 | 1.16 | 17.5 | 23.7 | 0.122 | 6.05 | 312 |
| Comal Springs #3 | 05/04/11 | 80.9 | 10.3 | 15.9 | 1.29 | 18.3 | 27.0 | 0.170 | 5.87 | 323 |
| Comal Springs #3 | 06/07/11 | 73.3 | 9.64 | 14.9 | 1.22 | 18.2 | 27.6 | 0.186 | 5.91 | 338 |
| Comal Springs #3 | 07/06/11 | 77.5 | 9.64 | 14.8 | 1.40 | 18.2 | 28.1 | 0.157 | 5.66 | 351 |
| Comal Springs #3 | 08/02/11 | 86.7 | 10.8 | 16.9 | 1.40 | 18.4 | 24.6 | 0.202 | 5.68 | 336 |
| Comal Springs #3 | 09/07/11 | 80.3 | 10.9 | 17.1 | 1.10 | 17.5 | 26.5 | 0.182 | 5.87 | 336 |
| Comal Springs #3 | 10/03/11 | 77.7 | 10.8 | 16.1 | 1.23 | 19.1 | 30.1 | 0.193 | 5.25 | 359 |
| Comal Springs #3 | 11/01/11 | 73.2 | 10.0 | 14.3 | 1.22 | 18.9 | 30.4 | 0.172 | 5.53 | 346 |
| Comal Springs #3 | 12/06/11 | 78.1 | 10.6 | 15.0 | 1.22 | 19.8 | 35.0 | 0.167 | 6.00 | 337 |
| Comal Springs #7 | 01/13/11 | 80.3 | 10.0 | 15.9 | 1.65 | 17.5 | 24.4 | 0.197 | 5.47 | 329 |
| Comal Springs #7 | 02/10/11 | 79.5 | 10.4 | 14.9 | 1.41 | 17.6 | 25.4 | 0.168 | 5.54 | 323 |
| Comal Springs #7 | 03/02/11 | 83.8 | 9.52 | 14.5 | 1.40 | 17.7 | 21.1 | 0.0850J | 5.63 | 319 |

**Table C-9. (cont.)** Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 04/06/11 | 76.0 | 10.1 | 16.6 | 1.21 | 18.7 | 25.1 | 0.125 | 5.98 | 299 |
| Comal Springs #7 | 05/04/11 | 78.2 | 10.5 | 16.2 | 1.28 | 19.0 | 25.9 | 0.179 | 5.73 | 333 |
| Comal Springs #7 | 06/07/11 | 73.0 | 9.93 | 15.6 | 1.25 | 19.0 | 26.1 | 0.192 | 5.70 | 350 |
| Comal Springs #7 | 07/06/11 | 75.0 | 9.86 | 15.0 | 1.41 | 18.9 | 26.4 | 0.174 | 5.62 | 344 |
| Comal Springs #7 | 08/02/11 | 83.5 | 11.4 | 16.6 | 1.37 | 17.9 | 26.9 | 0.180 | 5.77 | 346 |
| Comal Springs #7 | 09/07/11 | 77.6 | 10.7 | 17.2 | 1.09 | 17.7 | 23.8 | 0.191 | 5.89 | 303 |
| Comal Springs #7 | 10/05/11 | 79.8 | 11.0 | 16.6 | 1.37 | 19.3 | 26.7 | 0.162 | 5.98 | 327 |
| Comal Springs #7 | 11/02/11 | 67.9 | 10.4 | 14.1 | 1.18 | 18.9 | 26.9 | 0.188 | 5.25 | 319 |
| Comal Springs #7 | 12/06/11 | 76.3 | 10.2 | 15.3 | 1.25 | 19.9 | 31.5 | 0.175 | 6.12 | 325 |
| DX-68-15-901 | 01/11/11 | 96.8 | 8.29 | 15.6 | 1.43 | 15.3 | 21.8 | 0.215 | 5.33 | 304 |
| DX-68-15-901 | 02/01/11 | 94.5 | 8.49 | 15.1 | 1.35 | 16.9 | 23.2 | 0.281 | 4.90 | 346 |
| DX-68-15-901 | 03/01/11 | 94.5 | 10.2 | 17.1 | 1.66 | 16.6 | 20.7 | 0.105 | 4.78 | 349 |
| DX-68-15-901 | 04/05/11 | 89.4 | 10.2 | 17.9 | 1.41 | 17.6 | 27.6 | 0.143 | 5.47 | 326 |
| DX-68-15-901 | 05/03/11 | 84.1 | 9.92 | 17.0 | 1.46 | 18.1 | 30.3 | 0.204 | 5.46 | 353 |
| DX-68-15-901 | 06/06/11 | 78.2 | 9.59 | 16.3 | 1.49 | 18.5 | 30.4 | 0.223 | 5.32 | 327 |
| DX-68-15-901 | 07/05/11 | 78.4 | 9.98 | 16.3 | 1.62 | 18.0 | 28.5 | 0.236 | 5.66 | 376 |
| DX-68-15-901 | 08/03/11 | 83.5 | 9.45 | 16.4 | 1.50 | 16.9 | 28.4 | 0.228 | 6.11 | 350 |
| DX-68-15-901 | 09/06/11 | 86.6 | 8.94 | 19.4 | 1.32 | 15.1 | 28.8 | 0.274 | 5.86 | 329 |
| DX-68-23-301 | 01/10/11 | 85.2 | 9.04 | 15.3 | 1.36 | 15.9 | 24.9 | 0.205 | 5.73 | 299 |
| DX-68-23-301 | 02/10/11 | 83.4 | 9.31 | 14.5 | 1.35 | 16.7 | 25.7 | 0.171 | 5.52 | 309 |
| DX-68-23-301 | 03/02/11 | 84.8 | <1.00 | <0.500 | 1.42 | 16.0 | 21.6 | 0.203 | 5.19 | 326 |
| DX-68-23-301 | 04/05/11 | 77.6 | 9.36 | 16.0 | 1.13 | 16.7 | 24.2 | 0.119 | 5.93 | 308 |

**Table C-9. (cont.)** Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 05/03/11 | 81.5 | 9.88 | 14.6 | 1.25 | 17.5 | 27.4 | 0.171 | 5.63 | 365 |
| DX-68-23-301 | 06/07/11 | 74.9 | 9.32 | 14.4 | 1.18 | 17.7 | 28.6 | 0.179 | 5.70 | 315 |
| DX-68-23-301 | 07/06/11 | 78.2 | 9.38 | 14.4 | 1.38 | 17.9 | 29.2 | 0.167 | 5.91 | 338 |
| DX-68-23-301 | 08/02/11 | 86.1 | 10.7 | 16.6 | 1.40 | 17.6 | 27.9 | 0.175 | 6.03 | 344 |
| DX-68-23-301 | 09/07/11 | 80.3 | 10.5 | 16.7 | 1.10 | 17.2 | 27.0 | 0.187 | 6.19 | 345 |
| DX-68-23-301 | 10/05/11 | 82.9 | 11.0 | 16.1 | 1.37 | 19.0 | 31.5 | 0.328 | 5.48 | 338 |
| DX-68-23-301 | 11/02/11 | 69.0 | 11.0 | 13.3 | 1.16 | 18.7 | 32.1 | 0.164 | 5.31 | 340 |
| DX-68-23-301 | 12/06/11 | 80.9 | 10.8 | 15.2 | 1.25 | 19.3 | 37.0 | 0.172 | 6.41 | 333 |
| Hueco Springs B | 01/11/11 | 98.2 | 8.48 | 15.8 | 1.44 | 15.3 | 21.7 | 0.210 | 6.21 | 357 |
| Hueco Springs B | 02/01/11 | 92.9 | 8.40 | 14.9 | 1.33 | 0.393J | <1.00 | 0.291 | 4.93 | 334 |
| Blanco River at Wimberley [8171000] | 05/23/11 | 57.0 | 7.44 | 18.4 | 1.32 | 14.2 | 39.1 | 0.235 | 4.14 | 284 |
| Blanco River at Wimberley [8171000] | 10/17/11 | 52.9 | 6.01 | 14.6 | 1.86 | 9.98 | 32.1 | 0.177 | 3.87 | 241 |
| LR-67-01-801 | 01/10/11 | 88.2 | 9.38 | 18.1 | 1.37 | 17.5 | 26.0 | 0.202 | 4.92 | 304 |
| LR-67-01-801 | 01/31/11 | 84.6 | 9.95 | 18.3 | 1.42 | 18.4 | 26.7 | 0.250 | 5.34 | 338 |
| LR-67-01-801 | 02/28/11 | 85.0 | 10.3 | 18.3 | 1.43 | 18.3 | 23.1 | 0.216 | 5.02 | 361 |
| LR-67-01-801 | 04/04/11 | 83.8 | 12.4 | 18.5 | 1.37 | 19.3 | 26.0 | 0.157 | 5.58 | 335 |
| LR-67-01-801 | 05/02/11 | 86.6 | 10.6 | 18.3 | 1.36 | 19.9 | 28.7 | 0.182 | 5.46 | 360 |
| LR-67-01-801 | 06/06/11 | 80.3 | 9.25 | 15.9 | 1.22 | 19.1 | 27.6 | 0.176 | 5.33 | 360 |
| LR-67-01-801 | 07/05/11 | 82.6 | 9.43 | 16.3 | 1.40 | 18.7 | 27.1 | 0.165 | 5.41 | 356 |
| LR-67-01-801 | 08/03/11 | 89.1 | 9.46 | 16.9 | 1.26 | 18.1 | 24.8 | 0.173 | 5.18 | 335 |
| LR-67-01-801 | 09/06/11 | 88.9 | 9.24 | 19.1 | 1.16 | 17.9 | 23.5 | 0.188 | 5.73 | 327 |
| LR-67-01-801 | 10/03/11 | 85.9 | 10.4 | 17.6 | 1.21 | 19.5 | 26.3 | 0.156 | 5.50 | 377 |

**Table C-9. (cont.)** Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 11/01/11 | 80.7 | 9.71 | 15.8 | 1.21 | 19.2 | 26.5 | 0.166 | 5.51 | 360 |
| LR-67-01-801 | 12/05/11 | 83.4 | 10.5 | 16.3 | 1.49 | 22.5 | 40.3 | 0.197 | 5.70 | 357 |
| LR-67-01-819 | 01/19/11 | 75.9 | 9.38 | 13.9 | 1.30 | 20.3 | 26.5 | 0.246 | 6.14 | 356 |
| LR-67-01-819 | 01/31/11 | 89.6 | 11.5 | 16.0 | 1.51 | 21.2 | 27.1 | 0.227 | 5.94 | 341 |
| LR-67-01-819 | 02/28/11 | 89.5 | 11.5 | 15.7 | 1.39 | 18.6 | 22.6 | 0.228 | 5.48 | 357 |
| LR-67-01-819 | 04/04/11 | 91.1 | 13.6 | 16.8 | 1.31 | 21.4 | 25.5 | 0.160 | 5.82 | 341 |
| LR-67-01-819 | 05/02/11 | 93.6 | 12.1 | 16.3 | 1.35 | 22.1 | 28.6 | 0.202 | 5.64 | 369 |
| LR-67-01-819 | 06/06/11 | 86.9 | 11.1 | 15.0 | 1.26 | 22.5 | 28.6 | 0.166 | 5.48 | 372 |
| LR-67-01-819 | 07/05/11 | 93.4 | 11.4 | 16.2 | 1.45 | 22.2 | 28.8 | 0.227 | 5.38 | 376 |
| LR-67-01-819 | 08/03/11 | 92.8 | 11.2 | 15.3 | 1.31 | 22.2 | 26.9 | 0.163 | 5.35 | 360 |
| LR-67-01-819 | 09/06/11 | 94.9 | 12.1 | 18.1 | 1.23 | 21.6 | 25.6 | 0.164 | 6.28 | 360 |
| LR-67-01-819 | 09/28/11 | 84.3 | 11.8 | 15.1 | 1.36 | 23.3 | 28.6 | 0.162 | 6.13 | 366 |
| LR-67-01-819 | 11/02/11 | 74.5 | 11.4 | 13.4 | 1.09 | 22.9 | 28.6 | 0.156 | 5.04 | 370 |
| LR-67-01-819 | 12/05/11 | 90.5 | 12.4 | 15.7 | 1.61 | 25.0 | 42.1 | 0.171 | <0.5 | 380 |
| Las Moras Creek at Red Bridge | 11/08/11 | 70.4 | 5.16 | 5.43 | 0.942J | 10.1 | 6.56 | 0.134 | 5.08 | 270 |
| Nueces River at FM334 | 05/24/11 | 35.7 | 5.99 | 4.36 | 0.946J | 12.8 | 14.8 | 0.105 | 5.34 | 191 |
| RP-70-45-501 | 10/10/11 | 78.0 | 5.80 | 5.43 | 0.696J | 9.39 | 4.54 | 0.215 | 5.68 | 222 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | 56.0 | 12.5 | 11.9 | 1.35 | 21.1 | 60.6 | 0.243 | 7.27 | 282 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | 62.0 | 12.2 | 12.3 | 1.28 | 18.2 | 81.3 | 0.181 | 5.79 | 304 |
| Medina River at Bandera [8178880] | 05/31/11 | 84.1 | 6.97 | 22.6 | 1.61 | 14.0 | 138 | 0.248 | 8.18 | 416 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | 63.8 | 14.0 | 17.2 | 2.39 | 24.0 | 158 | 0.215 | 6.46 | 398 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | 59.2 | 5.66 | 12.2 | 0.469J | 11.6 | 15.5 | 0.233 | 5.01 | 243 |

**Table C-9. (cont.)** Analytical data for major ions from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) | Silicon (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | 65.6 | 5.98 | 12.7 | <1.00 | 11.7 | 16.2 | 0.0748J | 4.97 | 257 |
| Frio River at Concan [8195000] | 05/25/11 | 48.1 | 8.22 | 14.4 | 0.946J | 14.2 | 34.9 | 0.134 | 5.90 | 222 |
| Frio River at Concan [8195000] | 10/19/11 | 56.8 | 10.6 | 17.0 | 1.05 | 15.2 | 55.9 | 0.128 | 5.90 | 286 |
| Nueces River at Laguna [8190000] | 05/24/11 | 52.1 | 6.33 | 12.6 | 0.714J | 12.6 | 13.7 | 0.112 | 5.68 | 186 |
| Nueces River at Laguna [8190000] | 10/18/11 | 55.2 | 6.79 | 11.1 | 0.641J | 11.0 | 9.91 | 0.0931J | 5.13 | 224 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | 63.2 | 8.16 | 12.8 | 0.888J | 15.5 | 39.7 | 0.145 | 6.21 | 215 |

NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-10**. Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) |
|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <50.0 | <5.00 | <5.00 | 46.4 | <4.00 | NA | NA |
| San Antonio Springs | 02/01/11 | 24.5J | <5.00 | <5.00 | 44.7 | <4.00 | NA | NA |
| San Pedro Springs | 01/12/11 | <50.0 | <5.00 | <5.00 | 46.3 | <4.00 | NA | NA |
| San Pedro Springs | 02/01/11 | <50.0 | <5.00 | <5.00 | 44.3 | <4.00 | NA | NA |
| San Pedro Springs | 03/03/11 | <50.0 | <5.00 | <5.00 | 50.2 | <4.00 | NA | NA |
| San Pedro Springs | 04/06/11 | <50.0 | <5.00 | <5.00 | 48.2 | <4.00 | NA | NA |
| Comal Springs #3 | 01/13/11 | <50.0 | <5.00 | <5.00 | 53.0 | <4.00 | NA | NA |
| Comal Springs #3 | 02/10/11 | <50.0 | <5.00 | <5.00 | 52.3 | <4.00 | NA | NA |
| Comal Springs #3 | 03/02/11 | <50.0 | <5.00 | 9.16 | 52.7 | <4.00 | NA | NA |
| Comal Springs #3 | 04/05/11 | <50.0 | <5.00 | <5.00 | 50.7 | <4.00 | NA | NA |
| Comal Springs #3 | 05/04/11 | <50.0 | <5.00 | 1.48J | 57.4 | <4.00 | NA | NA |
| Comal Springs #3 | 06/07/11 | <50.0 | <5.00 | <5.00 | 46.2 | <4.00 | NA | NA |
| Comal Springs #3 | 07/06/11 | <50.0 | <5.00 | <5.00 | 46.8 | <4.00 | NA | NA |
| Comal Springs #3 | 08/02/11 | <50.0 | <5.00 | <5.00 | 53.2 | <4.00 | NA | NA |
| Comal Springs #3 | 09/07/11 | <50.0 | <5.00 | <5.00 | 49.2 | <4.00 | NA | NA |
| Comal Springs #3 | 10/03/11 | <50.0 | <5.00 | <5.00 | 48.4 | <4.00 | NA | NA |
| Comal Springs #3 | 11/01/11 | <50.0 | <5.00 | <5.00 | 47.0 | <4.00 | NA | NA |
| Comal Springs #3 | 12/06/11 | <50.0 | <5.00 | <5.00 | 48.4 | <4.00 | NA | NA |
| Comal Springs #7 | 01/13/11 | <50.0 | <5.00 | <5.00 | 54.2 | <4.00 | NA | NA |
| Comal Springs #7 | 02/10/11 | <50.0 | <5.00 | <5.00 | 56.0 | <4.00 | NA | NA |
| Comal Springs #7 | 03/02/11 | <50.0 | <5.00 | 7.76 | 56.1 | <4.00 | NA | NA |
| Comal Springs #7 | 04/06/11 | <50.0 | <5.00 | <5.00 | 56.3 | <4.00 | NA | NA |
| Comal Springs #7 | 05/04/11 | <50.0 | <5.00 | 1.24J | 58.2 | <4.00 | NA | NA |
| Comal Springs #7 | 06/07/11 | <50.0 | <5.00 | <5.00 | 53.2 | <4.00 | NA | NA |
| Comal Springs #7 | 07/06/11 | <50.0 | <5.00 | <5.00 | 48.8 | <4.00 | NA | NA |
| Comal Springs #7 | 08/02/11 | <50.0 | <5.00 | 1.70J | 56.7 | <4.00 | NA | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) |
|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <50.0 | <5.00 | <5.00 | 49.4 | <4.00 | NA | NA |
| Comal Springs #7 | 10/05/11 | <50.0 | <5.00 | <5.00 | 54.3 | <4.00 | NA | NA |
| Comal Springs #7 | 11/02/11 | <50.0 | <5.00 | <5.00 | 48.0 | <4.00 | NA | NA |
| Comal Springs #7 | 12/06/11 | <50.0 | <5.00 | <5.00 | 52.7 | <4.00 | NA | NA |
| DX-68-15-901 | 01/11/11 | <50.0 | <5.00 | <5.00 | 33.9 | <4.00 | NA | NA |
| DX-68-15-901 | 02/01/11 | <50.0 | <5.00 | <5.00 | 31.7 | <4.00 | NA | NA |
| DX-68-15-901 | 03/01/11 | <50.0 | <5.00 | 3.44J | 34.8 | <4.00 | NA | NA |
| DX-68-15-901 | 04/05/11 | <50.0 | <5.00 | <5.00 | 35.8 | <4.00 | NA | NA |
| DX-68-15-901 | 05/03/11 | <50.0 | <5.00 | 1.58J | 37.3 | <4.00 | NA | NA |
| DX-68-15-901 | 06/06/11 | <50.0 | <5.00 | <5.00 | 31.1 | <4.00 | NA | NA |
| DX-68-15-901 | 07/05/11 | <50.0 | <5.00 | 1.69J | 31.8 | <4.00 | NA | NA |
| DX-68-15-901 | 08/03/11 | <50.0 | <5.00 | <5.00 | 34.5 | <4.00 | NA | NA |
| DX-68-15-901 | 09/06/11 | <50.0 | <5.00 | 1.11J | 33.5 | <4.00 | NA | NA |
| DX-68-23-301 | 01/10/11 | <50.0 | <5.00 | <5.00 | 48.8 | <4.00 | NA | NA |
| DX-68-23-301 | 02/10/11 | <50.0 | <5.00 | <5.00 | 48.9 | <4.00 | NA | NA |
| DX-68-23-301 | 03/02/11 | <50.0 | <5.00 | 15.0 | 51.7 | <4.00 | NA | NA |
| DX-68-23-301 | 04/05/11 | <50.0 | <5.00 | <5.00 | 48.6 | <4.00 | NA | NA |
| DX-68-23-301 | 05/03/11 | <50.0 | <5.00 | 1.26J | 50.5 | <4.00 | NA | NA |
| DX-68-23-301 | 06/07/11 | <50.0 | <5.00 | <5.00 | 45.6 | <4.00 | NA | NA |
| DX-68-23-301 | 07/06/11 | <50.0 | <5.00 | <5.00 | 45.6 | <4.00 | NA | NA |
| DX-68-23-301 | 08/02/11 | <50.0 | <5.00 | <5.00 | 51.4 | <4.00 | NA | NA |
| DX-68-23-301 | 09/07/11 | <50.0 | <5.00 | <5.00 | 47.6 | <4.00 | NA | NA |
| DX-68-23-301 | 10/05/11 | <50.0 | <5.00 | <5.00 | 48.8 | <4.00 | NA | NA |
| DX-68-23-301 | 11/02/11 | <50.0 | <5.00 | <5.00 | 44.7 | <4.00 | NA | NA |
| DX-68-23-301 | 12/06/11 | <50.0 | <5.00 | <5.00 | 49.9 | <4.00 | NA | NA |
| Hueco Springs B | 01/11/11 | <50.0 | <5.00 | <5.00 | 35.0 | <4.00 | NA | NA |
| Hueco Springs B | 02/01/11 | <50.0 | <5.00 | <5.00 | 32.2 | <4.00 | NA | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) |
|---|---|---|---|---|---|---|---|---|
| Blanco River at Wimberley [8171000] | 05/23/11 | <50.0 | 13.8 | <5.00 | 30.9 | <4.00 | NA | NA |
| Blanco River at Wimberley [8171000] | 10/17/11 | <50.0 | <5.00 | <5.00 | 25.6 | <4.00 | NA | NA |
| LR-67-01-801 | 01/10/11 | <50.0 | <5.00 | <5.00 | 34.7 | <4.00 | NA | NA |
| LR-67-01-801 | 01/31/11 | <50.0 | <5.00 | <5.00 | 33.8 | <4.00 | NA | NA |
| LR-67-01-801 | 02/28/11 | <50.0 | <5.00 | 4.45J | 32.5 | <4.00 | NA | NA |
| LR-67-01-801 | 04/04/11 | <50.0 | <5.00 | <5.00 | 37.4 | <4.00 | NA | NA |
| LR-67-01-801 | 05/02/11 | <50.0 | <5.00 | <5.00 | 36.3 | <4.00 | NA | NA |
| LR-67-01-801 | 06/06/11 | <50.0 | <5.00 | <5.00 | 31.1 | <4.00 | NA | NA |
| LR-67-01-801 | 07/05/11 | <50.0 | <5.00 | <5.00 | 32.1 | <4.00 | NA | NA |
| LR-67-01-801 | 08/03/11 | <50.0 | <5.00 | <5.00 | 36.0 | <4.00 | NA | NA |
| LR-67-01-801 | 09/06/11 | <50.0 | <5.00 | <5.00 | 35.2 | <4.00 | NA | NA |
| LR-67-01-801 | 10/03/11 | <50.0 | <5.00 | <5.00 | 34.1 | <4.00 | NA | NA |
| LR-67-01-801 | 11/01/11 | <50.0 | <5.00 | <5.00 | 30.6 | <4.00 | NA | NA |
| LR-67-01-801 | 12/05/11 | <50.0 | <5.00 | <5.00 | 37.9 | <4.00 | NA | NA |
| LR-67-01-819 | 01/19/11 | <50.0 | <5.00 | <5.00 | 31.7 | <4.00 | NA | NA |
| LR-67-01-819 | 01/31/11 | <50.0 | <5.00 | <5.00 | 36.9 | <4.00 | NA | NA |
| LR-67-01-819 | 02/28/11 | <50.0 | <5.00 | <5.00 | 39.8 | <4.00 | NA | NA |
| LR-67-01-819 | 04/04/11 | <50.0 | <5.00 | <5.00 | 42.0 | <4.00 | NA | NA |
| LR-67-01-819 | 05/02/11 | <50.0 | <5.00 | <5.00 | 38.9 | <4.00 | NA | NA |
| LR-67-01-819 | 06/06/11 | <50.0 | <5.00 | <5.00 | 36.6 | <4.00 | NA | NA |
| LR-67-01-819 | 07/05/11 | <50.0 | <5.00 | 2.12J | 38.0 | <4.00 | NA | NA |
| LR-67-01-819 | 08/03/11 | <50.0 | <5.00 | <5.00 | 39.7 | <4.00 | NA | NA |
| LR-67-01-819 | 09/06/11 | <50.0 | <5.00 | <5.00 | 38.2 | <4.00 | NA | NA |
| LR-67-01-819 | 09/28/11 | <50.0 | <5.00 | <5.00 | 36.3 | <4.00 | NA | NA |
| LR-67-01-819 | 11/02/11 | <50.0 | <5.00 | <5.00 | 32.1 | <4.00 | NA | NA |
| LR-67-01-819 | 12/05/11 | <50.0 | <5.00 | 1.16J | 39.6 | <4.00 | NA | NA |
| Las Moras Creek at Red Bridge | 11/08/11 | <50.0 | <5.00 | 1.28J | 47.2 | <4.00 | NA | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aluminum (µg/L) | Antimony (µg/L) | Arsenic (µg/L) | Barium (µg/L) | Beryllium (µg/L) | Boron (µg/L) | Bromide (mg/L) |
|---|---|---|---|---|---|---|---|---|
| Nueces @ FM334 | 05/24/11 | <50.0 | <5.00 | 1.19J | 36.3 | <4.00 | NA | NA |
| RP-70-45-501 | 10/10/11 | <50.0 | <5.00 | <5.00 | 45.1 | <4.00 | NA | NA |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <50.0 | <5.00 | <5.00 | 30.5 | <4.00 | NA | NA |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <50.0 | <5.00 | <5.00 | 38.4 | <4.00 | NA | NA |
| Medina River at Bandera [8178880] | 05/31/11 | <50.0 | <5.00 | <5.00 | 37.9 | <4.00 | NA | NA |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <50.0 | <5.00 | <5.00 | 24.3 | <4.00 | NA | NA |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <50.0 | <5.00 | <5.00 | 39.5 | <4.00 | NA | NA |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <50.0 | <5.00 | <5.00 | 46.1 | <4.00 | NA | NA |
| Frio River at Concan [8195000] | 05/25/11 | <50.0 | <5.00 | <5.00 | 31.4 | <4.00 | NA | NA |
| Frio River at Concan [8195000] | 10/19/11 | <50.0 | <5.00 | <5.00 | 39.3 | <4.00 | NA | NA |
| Nueces River at Laguna [8190000] | 05/24/11 | <50.0 | <5.00 | <5.00 | 36.3 | <4.00 | NA | NA |
| Nueces River at Laguna [8190000] | 10/18/11 | <50.0 | <5.00 | <5.00 | 37.9 | <4.00 | NA | NA |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <50.0 | <5.00 | <5.00 | 30.8 | <4.00 | NA | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Cadmium (µg/L) | Chromium (µg/L) | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) |
|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | 1.79J | <5.00 | NA | <10.0 | <250 | 1.50J | NA |
| San Antonio Springs | 02/01/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| San Pedro Springs | 01/12/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| San Pedro Springs | 02/01/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| San Pedro Springs | 03/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| San Pedro Springs | 04/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 01/13/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 02/10/11 | <2.00 | <5.00 | NA | <10.0 | <250 | 0.818J | NA |
| Comal Springs #3 | 03/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 04/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 05/04/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 06/07/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 07/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 08/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 09/07/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 10/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 11/01/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #3 | 12/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 01/13/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 02/10/11 | <2.00 | <5.00 | NA | <10.0 | <250 | 0.815J | NA |
| Comal Springs #7 | 03/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 04/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 05/04/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 06/07/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 07/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 08/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Cadmium (µg/L) | Chromium (µg/L) | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) |
|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 10/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 11/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Comal Springs #7 | 12/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 01/11/11 | <2.00 | 2.01J | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 02/01/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 03/01/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 04/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 05/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 06/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 07/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 08/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-15-901 | 09/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 01/10/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 02/10/11 | <2.00 | <5.00 | NA | <10.0 | <250 | 0.833J | NA |
| DX-68-23-301 | 03/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 04/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 05/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 06/07/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 07/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 08/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 09/07/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 10/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 11/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| DX-68-23-301 | 12/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Hueco Springs B | 01/11/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Hueco Springs B | 02/01/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Cadmium (µg/L) | Chromium (µg/L) | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) |
|---|---|---|---|---|---|---|---|---|
| Blanco River at Wimberley [8171000] | 05/23/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Blanco River at Wimberley [8171000] | 10/17/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 01/10/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 01/31/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 02/28/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 04/04/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 05/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 06/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 07/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 08/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 09/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 10/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 11/01/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-801 | 12/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 01/19/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 01/31/11 | <2.00 | <5.00 | NA | 1.34J | <250 | <5.00 | NA |
| LR-67-01-819 | 02/28/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 04/04/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 05/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 06/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 07/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 08/03/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 09/06/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 09/28/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 11/02/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| LR-67-01-819 | 12/05/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Las Moras Creek at Red Bridge | 11/08/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Cadmium (µg/L) | Chromium (µg/L) | Cobalt (µg/L) | Copper (µg/L) | Iron (µg/L) | Lead (µg/L) | Lithium (µg/L) |
|---|---|---|---|---|---|---|---|---|
| Nueces @ FM334 | 05/24/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| RP-70-45-501 | 10/10/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Medina River at Bandera [8178880] | 05/31/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Frio River at Concan [8195000] | 05/25/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Frio River at Concan [8195000] | 10/19/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Nueces River at Laguna [8190000] | 05/24/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Nueces River at Laguna [8190000] | 10/18/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <2.00 | <5.00 | NA | <10.0 | <250 | <5.00 | NA |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) |
|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.60 | <5.00 |
| San Antonio Springs | 02/01/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.67 | <5.00 |
| San Pedro Springs | 01/12/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.66 | <5.00 |
| San Pedro Springs | 02/01/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.75 | <5.00 |
| San Pedro Springs | 03/03/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.44 | <5.00 |
| San Pedro Springs | 04/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.34 | <5.00 |
| Comal Springs #3 | 01/13/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.31 | <5.00 |
| Comal Springs #3 | 02/10/11 | <50.0 | 0.000800J | NA | <5.00 | <5.00 | 5.52 | <5.00 |
| Comal Springs #3 | 03/02/11 | <50.0 | <0.00200 | NA | <5.00 | 3.70J | 5.19 | <5.00 |
| Comal Springs #3 | 04/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.05 | <5.00 |
| Comal Springs #3 | 05/04/11 | <50.0 | <0.00200 | NA | <5.00 | 1.44J | 5.87 | <5.00 |
| Comal Springs #3 | 06/07/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.91 | <5.00 |
| Comal Springs #3 | 07/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.66 | <5.00 |
| Comal Springs #3 | 08/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.68 | <5.00 |
| Comal Springs #3 | 09/07/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5870 | <5.00 |
| Comal Springs #3 | 10/03/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5250 | <5.00 |
| Comal Springs #3 | 11/01/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5530 | <5.00 |
| Comal Springs #3 | 12/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6000 | <5.00 |
| Comal Springs #7 | 01/13/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.47 | <5.00 |
| Comal Springs #7 | 02/10/11 | <50.0 | 0.000473J | NA | <5.00 | <5.00 | 5.54 | <5.00 |
| Comal Springs #7 | 03/02/11 | 15.6J | <0.00200 | NA | <5.00 | 3.72J | 5.63 | <5.00 |
| Comal Springs #7 | 04/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.98 | <5.00 |
| Comal Springs #7 | 05/04/11 | <50.0 | <0.00200 | NA | <5.00 | 1.40J | 5.73 | <5.00 |
| Comal Springs #7 | 06/07/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.70 | <5.00 |
| Comal Springs #7 | 07/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.62 | <5.00 |
| Comal Springs #7 | 08/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.77 | <5.00 |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) |
|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5890 | <5.00 |
| Comal Springs #7 | 10/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5980 | <5.00 |
| Comal Springs #7 | 11/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5250 | <5.00 |
| Comal Springs #7 | 12/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6120 | <5.00 |
| DX-68-15-901 | 01/11/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.33 | <5.00 |
| DX-68-15-901 | 02/01/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 4.90 | <5.00 |
| DX-68-15-901 | 03/01/11 | <50.0 | <0.00200 | NA | <5.00 | 2.30J | 4.78 | <5.00 |
| DX-68-15-901 | 04/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.47 | <5.00 |
| DX-68-15-901 | 05/03/11 | <50.0 | <0.00200 | NA | <5.00 | 1.29J | 5.46 | <5.00 |
| DX-68-15-901 | 06/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.32 | <5.00 |
| DX-68-15-901 | 07/05/11 | <50.0 | <0.00200 | NA | <5.00 | 1.36J | 5.66 | <5.00 |
| DX-68-15-901 | 08/03/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.11 | <5.00 |
| DX-68-15-901 | 09/06/11 | <50.0 | <0.00200 | NA | <5.00 | 1.26J | 5860 | <5.00 |
| DX-68-23-301 | 01/10/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.73 | <5.00 |
| DX-68-23-301 | 02/10/11 | <50.0 | 0.000765J | NA | <5.00 | <5.00 | 5.52 | <5.00 |
| DX-68-23-301 | 03/02/11 | <50.0 | <0.00200 | NA | <5.00 | 2.68J | 5.19 | <5.00 |
| DX-68-23-301 | 04/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.93 | <5.00 |
| DX-68-23-301 | 05/03/11 | <50.0 | <0.00200 | NA | <5.00 | 1.78J | 5.63 | <5.00 |
| DX-68-23-301 | 06/07/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.70 | <5.00 |
| DX-68-23-301 | 07/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.91 | <5.00 |
| DX-68-23-301 | 08/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.03 | <5.00 |
| DX-68-23-301 | 09/07/11 | <50.0 | <0.00200 | NA | <5.00 | 1.12J | 6190 | <5.00 |
| DX-68-23-301 | 10/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5480 | <5.00 |
| DX-68-23-301 | 11/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5310 | <5.00 |
| DX-68-23-301 | 12/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6410 | <5.00 |
| Hueco Springs B | 01/11/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.21 | <5.00 |
| Hueco Springs B | 02/01/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 4.93 | <5.00 |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) |
|---|---|---|---|---|---|---|---|---|
| Blanco River at Wimberley [8171000] | 05/23/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 4.14 | <5.00 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 3870 | <5.00 |
| LR-67-01-801 | 01/10/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 4.92 | <5.00 |
| LR-67-01-801 | 01/31/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.34 | <5.00 |
| LR-67-01-801 | 02/28/11 | <50.0 | <0.00200 | NA | <5.00 | 2.27J | 5.02 | <5.00 |
| LR-67-01-801 | 04/04/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.58 | <5.00 |
| LR-67-01-801 | 05/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.46 | <5.00 |
| LR-67-01-801 | 06/06/11 | <50.0 | <0.00200 | NA | <5.00 | 1.14J | 5.33 | <5.00 |
| LR-67-01-801 | 07/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.41 | <5.00 |
| LR-67-01-801 | 08/03/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.18 | <5.00 |
| LR-67-01-801 | 09/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5730 | <5.00 |
| LR-67-01-801 | 10/03/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5500 | <5.00 |
| LR-67-01-801 | 11/01/11 | <50.0 | 0.000144J | NA | <5.00 | <5.00 | 5510 | <5.00 |
| LR-67-01-801 | 12/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5700 | <5.00 |
| LR-67-01-819 | 01/19/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.14 | <5.00 |
| LR-67-01-819 | 01/31/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.94 | <5.00 |
| LR-67-01-819 | 02/28/11 | 19.2J | <0.00200 | NA | <5.00 | 1.53J | 5.48 | <5.00 |
| LR-67-01-819 | 04/04/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.82 | <5.00 |
| LR-67-01-819 | 05/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.64 | <5.00 |
| LR-67-01-819 | 06/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.48 | <5.00 |
| LR-67-01-819 | 07/05/11 | 13.7J | <0.00200 | NA | <5.00 | 1.09J | 5.38 | <5.00 |
| LR-67-01-819 | 08/03/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.35 | <5.00 |
| LR-67-01-819 | 09/06/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6280 | <5.00 |
| LR-67-01-819 | 09/28/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6130 | <5.00 |
| LR-67-01-819 | 11/02/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5040 | <5.00 |
| LR-67-01-819 | 12/05/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | <500 | <5.00 |
| Las Moras Creek at Red Bridge | 11/08/11 | <50.0 | 0.000210J | NA | <5.00 | 5.14 | 5080 | <5.00 |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Manganese (µg/L) | Mercury (µg/L) | Molybdenum (µg/L) | Nickel (µg/L) | Selenium (µg/L) | Silicon (mg/L) | Silver (µg/L) |
|---|---|---|---|---|---|---|---|---|
| Nueces @ FM334 | 05/24/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.34 | <5.00 |
| RP-70-45-501 | 10/10/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5680 | <5.00 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 7.27 | <5.00 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5790 | <5.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 8.18 | <5.00 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.46 | <5.00 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.01 | <5.00 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <50.0 | 0.000133J | NA | <5.00 | <5.00 | 4970 | <5.00 |
| Frio River at Concan [8195000] | 05/25/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.90 | <5.00 |
| Frio River at Concan [8195000] | 10/19/11 | <50.0 | 0.000165J | NA | <5.00 | <5.00 | 5900 | <5.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5.68 | <5.00 |
| Nueces River at Laguna [8190000] | 10/18/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 5130 | <5.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <50.0 | <0.00200 | NA | <5.00 | <5.00 | 6.21 | <5.00 |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | 476 | 0.712J | NA | <25.0 |
| San Antonio Springs | 02/01/11 | 540 | <1.00 | NA | 6.62J |
| San Pedro Springs | 01/12/11 | 495 | <1.00 | NA | <25.0 |
| San Pedro Springs | 02/01/11 | 513 | 1.67 | NA | <25.0 |
| San Pedro Springs | 03/03/11 | 596 | <1.00 | NA | 3.60J |
| San Pedro Springs | 04/06/11 | 566 | <1.00 | NA | 4.86J |
| Comal Springs #3 | 01/13/11 | 628 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 02/10/11 | 659 | <1.00 | NA | 3.82J |
| Comal Springs #3 | 03/02/11 | 597 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 04/05/11 | 710 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 05/04/11 | 678 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 06/07/11 | 588 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 07/06/11 | 600 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 08/02/11 | 619 | 0.961J | NA | <25.0 |
| Comal Springs #3 | 09/07/11 | 690 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 10/03/11 | 559 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 11/01/11 | 547 | <1.00 | NA | <25.0 |
| Comal Springs #3 | 12/06/11 | 601 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 01/13/11 | 663 | <1.00 | NA | 4.02J |
| Comal Springs #7 | 02/10/11 | 711 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 03/02/11 | 637 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 04/06/11 | 706 | <1.00 | NA | 6.36J |
| Comal Springs #7 | 05/04/11 | 735 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 06/07/11 | 652 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 07/06/11 | 625 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 08/02/11 | 729 | <1.00 | NA | <25.0 |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | 717 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 10/05/11 | 726 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 11/02/11 | 655 | <1.00 | NA | <25.0 |
| Comal Springs #7 | 12/06/11 | 644 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 01/11/11 | 399 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 02/01/11 | 413 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 03/01/11 | 422 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 04/05/11 | 540 | 0.902J | NA | <25.0 |
| DX-68-15-901 | 05/03/11 | 499 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 06/06/11 | 506 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 07/05/11 | 495 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 08/03/11 | 577 | <1.00 | NA | <25.0 |
| DX-68-15-901 | 09/06/11 | 598 | 1.18 | NA | <25.0 |
| DX-68-23-301 | 01/10/11 | 576 | 1.38 | NA | 7.64J |
| DX-68-23-301 | 02/10/11 | 571 | <1.00 | NA | <25.0 |
| DX-68-23-301 | 03/02/11 | 523 | <1.00 | NA | <25.0 |
| DX-68-23-301 | 04/05/11 | 600 | 1.76 | NA | <25.0 |
| DX-68-23-301 | 05/03/11 | 581 | 1.01 | NA | <25.0 |
| DX-68-23-301 | 06/07/11 | 566 | 1.06 | NA | <25.0 |
| DX-68-23-301 | 07/06/11 | 561 | <1.00 | NA | <25.0 |
| DX-68-23-301 | 08/02/11 | 605 | 1.79 | NA | <25.0 |
| DX-68-23-301 | 09/07/11 | 641 | 1.23 | NA | <25.0 |
| DX-68-23-301 | 10/05/11 | 650 | <1.00 | NA | <25.0 |
| DX-68-23-301 | 11/02/11 | 578 | <1.00 | NA | <25.0 |
| DX-68-23-301 | 12/06/11 | 578 | <1.00 | NA | <25.0 |
| Hueco Springs B | 01/11/11 | 407 | <1.00 | NA | <25.0 |
| Hueco Springs B | 02/01/11 | 409 | <1.00 | NA | <25.0 |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|
| Blanco River at Wimberley [8171000] | 05/23/11 | 630 | <1.00 | NA | 6.90J |
| Blanco River at Wimberley [8171000] | 10/17/11 | 616 | <1.00 | NA | 3.71J |
| LR-67-01-801 | 01/10/11 | 519 | <1.00 | NA | 8.43J |
| LR-67-01-801 | 01/31/11 | 500 | <1.00 | NA | 3.63J |
| LR-67-01-801 | 02/28/11 | 506 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 04/04/11 | 637 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 05/02/11 | 515 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 06/06/11 | 503 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 07/05/11 | 483 | <1.00 | NA | 4.75J |
| LR-67-01-801 | 08/03/11 | 521 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 09/06/11 | 535 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 10/03/11 | 472 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 11/01/11 | 448 | <1.00 | NA | <25.0 |
| LR-67-01-801 | 12/05/11 | 495 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 01/19/11 | 514 | <1.00 | NA | 4.46J |
| LR-67-01-819 | 01/31/11 | 464 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 02/28/11 | 489 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 04/04/11 | 593 | <1.00 | NA | 4.77J |
| LR-67-01-819 | 05/02/11 | 520 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 06/06/11 | 506 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 07/05/11 | 513 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 08/03/11 | 580 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 09/06/11 | 589 | <1.00 | NA | 3.90J |
| LR-67-01-819 | 09/28/11 | 511 | <1.00 | NA | 3.55J |
| LR-67-01-819 | 11/02/11 | 471 | <1.00 | NA | <25.0 |
| LR-67-01-819 | 12/05/11 | 529 | <1.00 | NA | 3.67J |
| Las Moras Creek at Red Bridge | 11/08/11 | 273 | <1.00 | NA | <25.0 |

**Table C-10. (cont.)** Analytical data for metals from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Strontium (µg/L) | Thallium (µg/L) | Vanadium (µg/L) | Zinc (µg/L) |
|---|---|---|---|---|---|
| Nueces @ FM334 | 05/24/11 | 113 | <1.00 | NA | 5.95J |
| RP-70-45-501 | 10/10/11 | 303 | <1.00 | NA | <25.0 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | 389 | 0.977J | NA | 4.20J |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | 356 | 0.846J | NA | <25.0 |
| Medina River at Bandera [8178880] | 05/31/11 | 1180 | 1.03 | NA | 8.47J |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | 496 | <1.00 | NA | <25.0 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | 345 | <1.00 | NA | 7.23J |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | 346 | <1.00 | NA | <25.0 |
| Frio River at Concan [8195000] | 05/25/11 | 318 | <1.00 | NA | 6.65J |
| Frio River at Concan [8195000] | 10/19/11 | 454 | <1.00 | NA | <25.0 |
| Nueces River at Laguna [8190000] | 05/24/11 | 214 | <1.00 | NA | <25.0 |
| Nueces River at Laguna [8190000] | 10/18/11 | 196 | <1.00 | NA | 4.21J |
| Sabinal River near Sabinal [8198000] | 05/25/11 | 308 | <1.00 | NA | <25.0 |

NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-11.** Analytical data for nutrients from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Nitrate-N (mg/L) | Phosphorus (mg/L) |
|---|---|---|---|
| San Antonio Springs | 01/12/11 | 1.69 | 0.0276J |
| San Antonio Springs | 02/01/11 | 1.28 | 0.0335J |
| San Pedro Springs | 01/12/11 | 1.77 | <0.100 |
| San Pedro Springs | 02/01/11 | 1.78 | 0.0604J |
| San Pedro Springs | 03/03/11 | 1.61 | <0.100 |
| San Pedro Springs | 04/06/11 | 1.97 | <0.100 |
| Comal Springs #3 | 01/13/11 | 1.71 | <0.100 |
| Comal Springs #3 | 02/10/11 | 1.67 | <0.100 |
| Comal Springs #3 | 03/02/11 | 1.55 | <0.100 |
| Comal Springs #3 | 04/05/11 | 2.02 | <0.100 |
| Comal Springs #3 | 05/04/11 | 2.03 | <0.100 |
| Comal Springs #3 | 06/07/11 | 2.02 | 0.0269J |
| Comal Springs #3 | 07/06/11 | 1.99 | 0.0452J |
| Comal Springs #3 | 08/02/11 | 1.58 | 0.0438J |
| Comal Springs #3 | 09/07/11 | 1.49 | <0.100 |
| Comal Springs #3 | 10/03/11 | 1.78 | 0.0391J |
| Comal Springs #3 | 11/01/11 | 1.88 | <0.100 |
| Comal Springs #3 | 12/06/11 | 3.52 | <0.100 |
| Comal Springs #7 | 01/13/11 | 1.66 | <0.100 |
| Comal Springs #7 | 02/10/11 | 1.72 | <0.100 |
| Comal Springs #7 | 03/02/11 | 1.53 | 0.0631J |
| Comal Springs #7 | 04/06/11 | 1.98 | <0.100 |
| Comal Springs #7 | 05/04/11 | 1.99 | <0.100 |
| Comal Springs #7 | 06/07/11 | 2.00 | 0.0421J |
| Comal Springs #7 | 07/06/11 | 1.96 | 0.0635J |
| Comal Springs #7 | 08/02/11 | 1.62 | 0.0395J |
| Comal Springs #7 | 09/07/11 | 1.44 | 0.0247J |
| Comal Springs #7 | 10/05/11 | 1.68 | 0.0391J |
| Comal Springs #7 | 11/02/11 | 1.84 | 0.0263 |
| Comal Springs #7 | 12/06/11 | 3.53 | <0.100 |
| DX-68-15-901 | 01/11/11 | 1.19 | 0.0304J |
| DX-68-15-901 | 02/01/11 | 1.26 | 0.0408J |
| DX-68-15-901 | 03/01/11 | 1.08 | <0.100 |
| DX-68-15-901 | 04/05/11 | 1.18 | <0.100 |
| DX-68-15-901 | 05/03/11 | 1.25 | <0.100 |
| DX-68-15-901 | 06/06/11 | 1.20 | 0.0284J |
| DX-68-15-901 | 07/05/11 | 1.16 | 0.0805J |
| DX-68-15-901 | 08/03/11 | 0.855 | 0.0354J |
| DX-68-15-901 | 09/06/11 | 0.900 | 0.0243J |
| DX-68-23-301 | 01/10/11 | 1.72 | <0.100 |
| DX-68-23-301 | 02/10/11 | 1.75 | <0.100 |
| DX-68-23-301 | 03/02/11 | 1.57 | <0.100 |
| DX-68-23-301 | 04/05/11 | 2.01 | <0.100 |
| DX-68-23-301 | 05/03/11 | 2.04 | <0.100 |
| DX-68-23-301 | 06/07/11 | 2.07 | 0.0814J |
| DX-68-23-301 | 07/06/11 | 2.04 | 0.0580J |

**Table C-11. (cont.)** Analytical data for nutrients from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Nitrate-N (mg/L) | Phosphorus (mg/L) |
|---|---|---|---|
| DX-68-23-301 | 08/02/11 | 1.62 | 0.0438J |
| DX-68-23-301 | 09/07/11 | 1.49 | <0.100 |
| DX-68-23-301 | 10/05/11 | 1.75 | 0.0304J |
| DX-68-23-301 | 11/02/11 | 1.88 | 0.0257 |
| DX-68-23-301 | 12/06/11 | 3.53 | 0.0266J |
| Hueco Springs B | 01/11/11 | 1.17 | <0.100 |
| Hueco Springs B | 02/01/11 | <0.500 | 0.0354J |
| Blanco River at Wimberley [8171000] | 05/23/11 | 0.442J | 0.0270J |
| Blanco River at Wimberley [8171000] | 10/17/11 | 0.236J | 0.0269J |
| LR-67-01-801 | 01/10/11 | 0.868 | <0.100 |
| LR-67-01-801 | 01/31/11 | 0.962 | <0.200 |
| LR-67-01-801 | 02/28/11 | 0.842 | <0.100 |
| LR-67-01-801 | 04/04/11 | 0.870 | 0.623 |
| LR-67-01-801 | 05/02/11 | 1.24 | 0.414 |
| LR-67-01-801 | 06/06/11 | 1.31 | 0.0444J |
| LR-67-01-801 | 07/05/11 | 1.34 | 0.0534J |
| LR-67-01-801 | 08/03/11 | 0.996 | 0.0550J |
| LR-67-01-801 | 09/06/11 | 0.968 | 0.0242J |
| LR-67-01-801 | 10/03/11 | 1.18 | 0.0338J |
| LR-67-01-801 | 11/01/11 | 1.35 | 0.0261J |
| LR-67-01-801 | 12/05/11 | 5.38 | <0.100 |
| LR-67-01-819 | 01/19/11 | 1.43 | 0.0388J |
| LR-67-01-819 | 01/31/11 | 1.53 | <0.200 |
| LR-67-01-819 | 02/28/11 | 0.990 | <0.100 |
| LR-67-01-819 | 04/04/11 | 1.45 | 0.0244J |
| LR-67-01-819 | 05/02/11 | 1.74 | 1.24 |
| LR-67-01-819 | 06/06/11 | 1.75 | 0.0332J |
| LR-67-01-819 | 07/05/11 | 1.70 | 0.0519J |
| LR-67-01-819 | 08/03/11 | 1.34 | 0.0477J |
| LR-67-01-819 | 09/06/11 | 1.24 | 0.0613J |
| LR-67-01-819 | 09/28/11 | 1.49 | 0.417 |
| LR-67-01-819 | 11/02/11 | 1.63 | 0.0296 |
| LR-67-01-819 | 12/05/11 | 5.55 | <0.100 |
| Las Moras Creek at Red Bridge | 11/08/11 | 0.916 | NA |
| Nueces @ FM334 | 05/24/11 | 0.718 | NA |
| RP-70-45-501 | 10/10/11 | 1.05 | NA |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | 0.427J | 0.0248J |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | 1.08 | 0.0465J |
| Medina River at Bandera [8178880] | 05/31/11 | 0.420J | <0.100 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <0.500 | 0.0325J |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | 0.477J | 0.0404J |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | 0.481J | <0.100 |
| Frio River at Concan [8195000] | 05/25/11 | 0.443J | 0.0329J |
| Frio River at Concan [8195000] | 10/19/11 | 0.257J | 0.0647J |
| Nueces River at Laguna [8190000] | 05/24/11 | 0.533 | <0.100 |
| Nueces River at Laguna [8190000] | 10/18/11 | 0.594 | <0.100 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | 0.438J | 0.0270J |

NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-12.** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | NA | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 |
| San Antonio Springs | 02/01/11 | NA | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 |
| San Pedro Springs | 01/12/11 | NA | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 |
| San Pedro Springs | 02/01/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| San Pedro Springs | 03/03/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| San Pedro Springs | 04/06/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Comal Springs #3 | 01/13/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Comal Springs #3 | 02/10/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| Comal Springs #3 | 03/02/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| Comal Springs #3 | 04/05/11 | NA | <0.0476 | <0.0476 | <0.0476 | <0.952 | <0.952 | <0.952 | <0.952 |
| Comal Springs #3 | 05/04/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 06/07/11 | NA | <0.0515 | <0.0515 | <0.0515 | <1.02 | <1.02 | <1.02 | <1.02 |
| Comal Springs #3 | 07/06/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 08/02/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 09/07/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Comal Springs #3 | 10/03/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| Comal Springs #3 | 11/01/11 | NA | <0.0495 | <0.0495 | <0.0495 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 12/06/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Comal Springs #7 | 01/13/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Comal Springs #7 | 02/10/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| Comal Springs #7 | 03/02/11 | NA | <0.0485 | <0.0485 | <0.0485 | <0.962 | <0.962 | <0.962 | <0.962 |
| Comal Springs #7 | 04/06/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Comal Springs #7 | 05/04/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 06/07/11 | NA | <0.0515 | <0.0515 | <0.0515 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 07/06/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 09/07/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Comal Springs #7 | 10/05/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| Comal Springs #7 | 11/02/11 | NA | <0.0495 | <0.0495 | <0.0495 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 12/06/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| DX-68-15-901 | 01/11/11 | NA | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 |
| DX-68-15-901 | 02/01/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 03/01/11 | NA | <0.0485 | <0.0485 | <0.0485 | <0.990 | <0.990 | <0.990 | <0.990 |
| DX-68-15-901 | 04/05/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 05/03/11 | NA | <0.0510 | <0.0510 | <0.0510 | <1.02 | <1.02 | <1.02 | <1.02 |
| DX-68-15-901 | 06/06/11 | NA | <0.0515 | <0.0515 | <0.0515 | <1.08 | <1.08 | <1.08 | <1.08 |
| DX-68-15-901 | 07/05/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.05 | <1.05 | <1.05 | <1.05 |
| DX-68-15-901 | 08/03/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 09/06/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| DX-68-23-301 | 01/10/11 | NA | 0.00404J | <0.0472 | 0.00726J | <0.943 | <0.943 | <0.943 | <0.943 |
| DX-68-23-301 | 02/10/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| DX-68-23-301 | 03/02/11 | NA | <0.0485 | <0.0485 | <0.0485 | <0.990 | <0.990 | <0.990 | <0.990 |
| DX-68-23-301 | 04/05/11 | NA | <0.0485 | <0.0485 | <0.0485 | <0.971 | <0.971 | <0.971 | <0.971 |
| DX-68-23-301 | 05/03/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 06/07/11 | NA | <0.0515 | <0.0515 | <0.0515 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 07/06/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| DX-68-23-301 | 08/02/11 | NA | <0.0556 | <0.0556 | <0.0556 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 09/07/11 | NA | <0.0490 | <0.0490 | <0.0490 | <0.971 | <0.971 | <0.971 | <0.971 |
| DX-68-23-301 | 10/05/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| DX-68-23-301 | 11/02/11 | NA | <0.0500 | <0.0500 | <0.0500 | <0.990 | <0.990 | <0.990 | <0.990 |
| DX-68-23-301 | 12/06/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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 B | 01/11/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Hueco Springs B | 02/01/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| Blanco River at Wimberley [8171000] | 05/23/11 | NA | <0.0526 | <0.0526 | <0.0526 | <1.05 | <1.05 | <1.05 | <1.05 |
| Blanco River at Wimberley [8171000] | 10/17/11 | NA | <0.0505 | <0.0505 | <0.0505 | <1.01 | <1.01 | <1.01 | <1.01 |
| LR-67-01-801 | 01/10/11 | NA | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 |
| LR-67-01-801 | 01/31/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-801 | 02/28/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-801 | 04/04/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-801 | 05/02/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 06/06/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.01 | <1.01 | <1.01 | <1.01 |
| LR-67-01-801 | 07/05/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-801 | 08/03/11 | NA | <0.0556 | <0.0556 | <0.0556 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 09/06/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-801 | 10/03/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-801 | 11/01/11 | NA | <0.0495 | <0.0495 | <0.0495 | <0.990 | <0.990 | <0.990 | <0.990 |
| LR-67-01-801 | 12/05/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-819 | 01/19/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-819 | 01/31/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-819 | 02/28/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-819 | 04/04/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-819 | 05/02/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 06/06/11 | NA | <0.0532 | <0.0532 | <0.0532 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 07/05/11 | NA | <0.0472 | <0.0472 | <0.0472 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 08/03/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 09/06/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |
| LR-67-01-819 | 09/28/11 | NA | <0.0467 | <0.0467 | <0.0467 | <0.935 | <0.935 | <0.935 | <0.935 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 12/05/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | NA | <0.0515 | <0.0515 | <0.0515 | <1.03 | <1.03 | <1.03 | <1.03 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Medina River at Bandera [8178880] | 05/31/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | NA | <0.0521 | <0.0521 | <0.0521 | <1.04 | <1.04 | <1.04 | <1.04 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | NA | <0.0526 | <0.0526 | <0.0526 | <1.05 | <1.05 | <1.05 | <1.05 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | NA | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.943 | <0.943 | <0.943 |
| Frio River at Concan [8195000] | 05/25/11 | NA | <0.0505 | <0.0505 | <0.0505 | <1.01 | <1.01 | <1.01 | <1.01 |
| Frio River at Concan [8195000] | 10/19/11 | NA | <0.0500 | <0.0500 | <0.0500 | <1.00 | <1.00 | <1.00 | <1.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | NA | <0.0505 | <0.0505 | <0.0505 | <1.01 | <1.01 | <1.01 | <1.01 |
| Nueces River at Laguna [8190000] | 10/18/11 | NA | <0.0481 | <0.0481 | <0.0481 | <0.962 | <0.962 | <0.962 | <0.962 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | NA | <0.0515 | <0.0515 | <0.0515 | <1.03 | <1.03 | <1.03 | <1.03 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aroclor 1248 (µg/L) | Aroclor 1254 (µg/L) | Aroclor 1260 (µg/L) | Aroclor 1262 (µg/L) | Aroclor 1268 (µg/L) | Azinphos methyl- (µg/L) | beta-BHC (µg/L) | Bolstar (Sulprofos) (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 | <0.955 | <0.0481 | <0.955 |
| San Antonio Springs | 02/01/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 | <0.994 | <0.0481 | <0.994 |
| San Pedro Springs | 01/12/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 | <0.969 | <0.0481 | <0.969 |
| San Pedro Springs | 02/01/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.962 | <0.0472 | <0.962 |
| San Pedro Springs | 03/03/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.949 | <0.0467 | <0.949 |
| San Pedro Springs | 04/06/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.953 | <0.0472 | <0.953 |
| Comal Springs #3 | 01/13/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.962 | <0.0472 | <0.962 |
| Comal Springs #3 | 02/10/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.955 | <0.0467 | <0.955 |
| Comal Springs #3 | 03/02/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.961 | <0.0467 | <0.961 |
| Comal Springs #3 | 04/05/11 | <0.952 | <0.952 | <0.952 | <0.952 | <0.952 | <0.949 | <0.0476 | <0.949 |
| Comal Springs #3 | 05/04/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.01 | <0.0500 | <1.01 |
| Comal Springs #3 | 06/07/11 | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | <0.984 | <0.0515 | <0.984 |
| Comal Springs #3 | 07/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.966 | <0.0500 | <0.966 |
| Comal Springs #3 | 08/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.966 | <0.0500 | <0.966 |
| Comal Springs #3 | 09/07/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.962 | <0.0472 | <0.962 |
| Comal Springs #3 | 10/03/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <1.00 | <0.0467 | <1.00 |
| Comal Springs #3 | 11/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.0495 | <1.00 |
| Comal Springs #3 | 12/06/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <1.90 | <0.0472 | <1.90 |
| Comal Springs #7 | 01/13/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.959 | <0.0472 | <0.959 |
| Comal Springs #7 | 02/10/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.992 | <0.0467 | <0.992 |
| Comal Springs #7 | 03/02/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 | <0.973 | <0.0485 | <0.973 |
| Comal Springs #7 | 04/06/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <1.02 | <0.0472 | <1.02 |
| Comal Springs #7 | 05/04/11 | <1.00 | 8.40 | <1.00 | <1.00 | <1.00 | <1.04 | <0.0500 | <1.04 |
| Comal Springs #7 | 06/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.982 | <0.0515 | <0.982 |
| Comal Springs #7 | 07/06/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.987 | <0.0472 | <0.987 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aroclor 1248 (µg/L) | Aroclor 1254 (µg/L) | Aroclor 1260 (µg/L) | Aroclor 1262 (µg/L) | Aroclor 1268 (µg/L) | Azinphos methyl- (µg/L) | beta-BHC (µg/L) | Bolstar (Sulprofos) (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.996 | <0.0500 | <0.996 |
| Comal Springs #7 | 09/07/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.963 | <0.0472 | <0.963 |
| Comal Springs #7 | 10/05/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.943 | <0.0467 | <0.943 |
| Comal Springs #7 | 11/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.600 | <0.0495 | <0.600 |
| Comal Springs #7 | 12/06/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <1.89 | <0.0467 | <1.89 |
| DX-68-15-901 | 01/11/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 | <0.971 | <0.0481 | <0.982 |
| DX-68-15-901 | 02/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.03 | <0.0500 | <1.03 |
| DX-68-15-901 | 03/01/11 | <0.990 | <0.990 | <0.990 | <0.990 | <0.990 | <0.996 | <0.0485 | <0.996 |
| DX-68-15-901 | 04/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.04 | <0.0500 | <1.04 |
| DX-68-15-901 | 05/03/11 | <1.02 | <1.02 | <1.02 | <1.02 | <1.02 | <1.03 | <0.0510 | <1.03 |
| DX-68-15-901 | 06/06/11 | <1.08 | <1.08 | <1.08 | <1.08 | <1.08 | <0.998 | <0.0515 | <0.998 |
| DX-68-15-901 | 07/05/11 | <1.05 | <1.05 | <1.05 | <1.05 | <1.05 | <0.983 | <0.0500 | <0.983 |
| DX-68-15-901 | 08/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.990 | <0.0500 | <0.990 |
| DX-68-15-901 | 09/06/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.947 | <0.0467 | <0.947 |
| DX-68-23-301 | 01/10/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.976 | 0.0132J | <0.976 |
| DX-68-23-301 | 02/10/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.962 | <0.0472 | <0.962 |
| DX-68-23-301 | 03/02/11 | <0.990 | <0.990 | <0.990 | <0.990 | <0.990 | <0.980 | <0.0485 | <0.980 |
| DX-68-23-301 | 04/05/11 | <0.971 | <0.971 | <0.971 | <0.971 | <0.971 | <0.972 | <0.0485 | <0.972 |
| DX-68-23-301 | 05/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.01 | <0.0500 | <1.01 |
| DX-68-23-301 | 06/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.995 | <0.0515 | <0.995 |
| DX-68-23-301 | 07/06/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.995 | <0.0472 | <0.995 |
| DX-68-23-301 | 08/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.994 | <0.0556 | <0.994 |
| DX-68-23-301 | 09/07/11 | <0.971 | <0.971 | <0.971 | <0.971 | <0.971 | <0.983 | <0.0490 | <0.983 |
| DX-68-23-301 | 10/05/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.0472 | <0.943 |
| DX-68-23-301 | 11/02/11 | <0.990 | <0.990 | <0.990 | <0.990 | <0.990 | <1.00 | <0.0500 | <1.00 |
| DX-68-23-301 | 12/06/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <1.89 | <0.0467 | <1.89 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aroclor 1248 (µg/L) | Aroclor 1254 (µg/L) | Aroclor 1260 (µg/L) | Aroclor 1262 (µg/L) | Aroclor 1268 (µg/L) | Azinphos methyl- (µg/L) | beta-BHC (µg/L) | Bolstar (Sulprofos) (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <0.967 | <0.0472 | <0.967 |
| Hueco Springs B | 02/01/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.951 | <0.0467 | <0.951 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <1.05 | <1.05 | <1.05 | <1.05 | <1.05 | <1.05 | <0.0526 | <1.05 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <1.00 | <0.0505 | <1.00 |
| LR-67-01-801 | 01/10/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 | <0.969 | <0.0481 | <0.969 |
| LR-67-01-801 | 01/31/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.954 | <0.0467 | <0.954 |
| LR-67-01-801 | 02/28/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.951 | <0.0467 | <0.951 |
| LR-67-01-801 | 04/04/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.946 | <0.0467 | <0.946 |
| LR-67-01-801 | 05/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.02 | <0.0500 | <1.02 |
| LR-67-01-801 | 06/06/11 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <0.991 | <0.0500 | <0.991 |
| LR-67-01-801 | 07/05/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.998 | <0.0472 | <0.998 |
| LR-67-01-801 | 08/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.995 | <0.0556 | <0.995 |
| LR-67-01-801 | 09/06/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.996 | <0.0467 | <0.996 |
| LR-67-01-801 | 10/03/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <1.00 | <0.0472 | <1.00 |
| LR-67-01-801 | 11/01/11 | <0.990 | <0.990 | <0.990 | <0.990 | <0.990 | <1.00 | <0.0495 | <1.00 |
| LR-67-01-801 | 12/05/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <1.97 | <0.0467 | <1.97 |
| LR-67-01-819 | 01/19/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.953 | <0.0467 | <0.953 |
| LR-67-01-819 | 01/31/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.957 | <0.0467 | <0.957 |
| LR-67-01-819 | 02/28/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.950 | <0.0467 | <0.950 |
| LR-67-01-819 | 04/04/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.954 | <0.0467 | <0.954 |
| LR-67-01-819 | 05/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.01 | <0.0500 | <1.01 |
| LR-67-01-819 | 06/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.980 | <0.0532 | <0.980 |
| LR-67-01-819 | 07/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.990 | <0.0472 | <0.990 |
| LR-67-01-819 | 08/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.998 | <0.0500 | <0.998 |
| LR-67-01-819 | 09/06/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.947 | <0.0467 | <0.947 |
| LR-67-01-819 | 09/28/11 | <0.935 | <0.935 | <0.935 | <0.935 | <0.935 | <0.943 | <0.0467 | <0.943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Aroclor 1248 (µg/L) | Aroclor 1254 (µg/L) | Aroclor 1260 (µg/L) | Aroclor 1262 (µg/L) | Aroclor 1268 (µg/L) | Azinphos methyl- (µg/L) | beta-BHC (µg/L) | Bolstar (Sulprofos) (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.0500 | <1.00 |
| LR-67-01-819 | 12/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.03 | <0.0500 | <2.03 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <1.03 | <1.03 | <1.03 | <1.03 | <1.03 | <1.06 | <0.0515 | <1.06 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <1.00 | <0.0472 | <1.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.989 | <0.0500 | <0.989 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | <1.04 | <0.0521 | <1.04 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <1.05 | <1.05 | <1.05 | <1.05 | <1.05 | <1.05 | <0.0526 | <1.05 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <0.943 | <0.943 | <0.943 | <0.943 | <0.943 | <1.00 | <0.0472 | <1.00 |
| Frio River at Concan [8195000] | 05/25/11 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <1.03 | <0.0505 | <1.03 |
| Frio River at Concan [8195000] | 10/19/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.0500 | <1.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <1.01 | <1.01 | <1.01 | <1.01 | <1.01 | <1.03 | <0.0505 | <1.03 |
| Nueces River at Laguna [8190000] | 10/18/11 | <0.962 | <0.962 | <0.962 | <0.962 | <0.962 | <1.00 | <0.0481 | <1.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <1.03 | <1.03 | <1.03 | <1.03 | <1.03 | <1.05 | <0.0515 | <1.05 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chlordane (technical) (µg/L) | Chloro-pyrifos (µg/L) | Coumaphos (µg/L) | Dalapon (µg/L) | 2,4-D (mg/L) | 2,4-DB (µg/L) | 4,4'-DDD (µg/L) | 4,4'-DDE (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.481 | <0.955 | <0.955 | <9.71 | <0.485 | <0.485 | <0.0481 | <0.0481 |
| San Antonio Springs | 02/01/11 | <0.481 | <0.994 | <0.994 | <9.80 | <0.490 | <0.490 | <0.0481 | <0.0481 |
| San Pedro Springs | 01/12/11 | <0.481 | <0.969 | <0.969 | <9.62 | <0.481 | <0.481 | <0.0481 | <0.0481 |
| San Pedro Springs | 02/01/11 | <0.472 | <0.962 | <0.962 | <9.52 | <0.476 | <0.476 | <0.0472 | <0.0472 |
| San Pedro Springs | 03/03/11 | <0.467 | <0.949 | <0.949 | <9.62 | <0.481 | <0.481 | <0.0467 | <0.0467 |
| San Pedro Springs | 04/06/11 | <0.472 | <0.953 | <0.953 | <9.61 | <0.480 | <0.480 | <0.0472 | <0.0472 |
| Comal Springs #3 | 01/13/11 | <0.472 | <0.962 | <0.962 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 |
| Comal Springs #3 | 02/10/11 | <0.467 | <0.955 | <0.955 | <9.71 | <0.485 | <0.485 | <0.0467 | <0.0467 |
| Comal Springs #3 | 03/02/11 | <0.467 | <0.961 | <0.961 | <9.64 | <0.482 | <0.482 | <0.0467 | <0.0467 |
| Comal Springs #3 | 04/05/11 | <0.476 | <0.949 | <0.949 | <9.59 | <0.479 | <0.479 | <0.0476 | <0.0476 |
| Comal Springs #3 | 05/04/11 | <0.500 | <1.01 | <1.01 | <10.4 | <0.522 | <0.522 | <0.0500 | <0.0500 |
| Comal Springs #3 | 06/07/11 | <0.515 | <0.984 | <0.984 | <10.5 | <0.527 | <0.527 | <0.103 | <0.103 |
| Comal Springs #3 | 07/06/11 | <0.500 | <0.966 | <0.966 | <10.4 | <0.521 | <0.521 | <0.100 | <0.100 |
| Comal Springs #3 | 08/02/11 | <0.500 | <0.966 | <0.966 | <10.4 | <0.518 | <0.518 | <0.100 | <0.100 |
| Comal Springs #3 | 09/07/11 | <0.472 | <0.962 | <0.962 | <9.57 | <0.478 | <0.478 | <0.0472 | <0.0472 |
| Comal Springs #3 | 10/03/11 | <0.467 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0467 | <0.0467 |
| Comal Springs #3 | 11/01/11 | <0.495 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0495 | <0.0495 |
| Comal Springs #3 | 12/06/11 | <0.472 | <1.90 | <1.90 | <10.4 | <0.520 | <0.520 | <0.0472 | <0.0472 |
| Comal Springs #7 | 01/13/11 | <0.472 | <0.959 | <0.959 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 |
| Comal Springs #7 | 02/10/11 | <0.467 | <0.992 | <0.992 | <9.71 | <0.485 | <0.485 | <0.0467 | <0.0467 |
| Comal Springs #7 | 03/02/11 | <0.485 | <0.973 | <0.973 | <9.72 | <0.486 | <0.486 | <0.0485 | <0.0485 |
| Comal Springs #7 | 04/06/11 | <0.472 | <1.02 | <1.02 | <11.5 | <0.577 | <0.577 | <0.0472 | <0.0472 |
| Comal Springs #7 | 05/04/11 | <0.500 | <1.04 | <1.04 | <10.1 | <0.503 | <0.503 | <0.0500 | <0.0500 |
| Comal Springs #7 | 06/07/11 | <0.515 | <0.982 | <0.982 | <10.5 | <0.525 | <0.525 | <0.103 | <0.103 |
| Comal Springs #7 | 07/06/11 | <0.472 | <0.987 | <0.987 | <9.60 | <0.480 | <0.480 | <0.0943 | <0.0943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chlordane (technical) (µg/L) | Chloro-pyrifos (µg/L) | Coumaphos (µg/L) | Dalapon (µg/L) | 2,4-D (mg/L) | 2,4-DB (µg/L) | 4,4'-DDD (µg/L) | 4,4'-DDE (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <0.500 | <0.996 | <0.996 | <10.4 | <0.519 | <0.519 | <0.100 | <0.100 |
| Comal Springs #7 | 09/07/11 | <0.472 | <0.963 | <0.963 | <9.69 | <0.484 | <0.484 | <0.0472 | <0.0472 |
| Comal Springs #7 | 10/05/11 | <0.467 | <0.943 | <0.943 | <120 | <0.500 | <0.500 | <0.0467 | <0.0467 |
| Comal Springs #7 | 11/02/11 | <0.495 | <0.600 | <0.600 | <120 | <0.500 | <0.500 | <0.0495 | <0.0495 |
| Comal Springs #7 | 12/06/11 | <0.467 | <1.89 | <1.89 | <9.60 | <0.480 | <0.480 | <0.0467 | <0.0467 |
| DX-68-15-901 | 01/11/11 | <0.481 | <0.971 | <0.982 | <10.1 | <0.505 | <0.505 | <0.0481 | <0.0481 |
| DX-68-15-901 | 02/01/11 | <0.500 | <1.03 | <1.03 | <10.0 | <0.500 | <0.500 | <0.0500 | <0.0500 |
| DX-68-15-901 | 03/01/11 | <0.485 | <0.996 | <0.996 | <9.94 | <0.497 | <0.497 | <0.0485 | <0.0485 |
| DX-68-15-901 | 04/05/11 | <0.500 | <1.04 | <1.04 | <10.5 | <0.525 | <0.525 | <0.0500 | <0.0500 |
| DX-68-15-901 | 05/03/11 | <0.510 | <1.03 | <1.03 | <10.5 | <0.524 | <0.524 | <0.0510 | <0.0510 |
| DX-68-15-901 | 06/06/11 | <0.515 | <0.998 | <0.998 | <10.8 | <0.538 | <0.538 | <0.103 | <0.103 |
| DX-68-15-901 | 07/05/11 | <0.500 | <0.983 | <0.983 | <10.7 | <0.534 | <0.534 | <0.100 | <0.100 |
| DX-68-15-901 | 08/03/11 | <0.500 | <0.990 | <0.990 | <10.4 | <0.521 | <0.521 | <0.100 | <0.100 |
| DX-68-15-901 | 09/06/11 | <0.467 | <0.947 | <0.947 | <9.61 | <0.480 | <0.480 | <0.0467 | <0.0467 |
| DX-68-23-301 | 01/10/11 | <0.472 | <0.976 | <0.976 | <9.80 | <0.490 | <0.490 | 0.00854J | 0.00511J |
| DX-68-23-301 | 02/10/11 | <0.472 | <0.962 | <0.962 | <9.62 | <0.481 | <0.481 | <0.0472 | <0.0472 |
| DX-68-23-301 | 03/02/11 | <0.485 | <0.980 | <0.980 | <9.93 | <0.497 | <0.497 | <0.0485 | <0.0485 |
| DX-68-23-301 | 04/05/11 | <0.485 | <0.972 | <0.972 | <9.96 | <0.498 | <0.498 | <0.0485 | <0.0485 |
| DX-68-23-301 | 05/03/11 | <0.500 | <1.01 | <1.01 | <10.3 | <0.513 | <0.513 | <0.0500 | <0.0500 |
| DX-68-23-301 | 06/07/11 | <0.515 | <0.995 | <0.995 | <10.3 | <0.513 | <0.513 | <0.103 | <0.103 |
| DX-68-23-301 | 07/06/11 | <0.472 | <0.995 | <0.995 | <9.67 | <0.484 | <0.484 | <0.0943 | <0.0943 |
| DX-68-23-301 | 08/02/11 | <0.556 | <0.994 | <0.994 | <10.4 | <0.522 | <0.522 | <0.111 | <0.111 |
| DX-68-23-301 | 09/07/11 | <0.490 | <0.983 | <0.983 | <10.2 | <0.510 | <0.510 | <0.0490 | <0.0490 |
| DX-68-23-301 | 10/05/11 | <0.472 | <0.943 | <0.943 | <120 | <0.500 | <0.500 | <0.0472 | <0.0472 |
| DX-68-23-301 | 11/02/11 | <0.500 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0500 | <0.0500 |
| DX-68-23-301 | 12/06/11 | <0.467 | <1.89 | <1.89 | <9.64 | <0.482 | <0.482 | <0.0467 | <0.0467 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chlordane (technical) (µg/L) | Chloro-pyrifos (µg/L) | Coumaphos (µg/L) | Dalapon (µg/L) | 2,4-D (mg/L) | 2,4-DB (µg/L) | 4,4'-DDD (µg/L) | 4,4'-DDE (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.472 | <0.967 | <0.967 | <9.71 | <0.485 | <0.485 | <0.0472 | <0.0472 |
| Hueco Springs B | 02/01/11 | <0.467 | <0.951 | <0.951 | <10.0 | <0.500 | <0.500 | <0.0467 | <0.0467 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <0.526 | <1.05 | <1.05 | <10.7 | <0.535 | <0.535 | <0.0526 | <0.0526 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <0.505 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0505 | <0.0505 |
| LR-67-01-801 | 01/10/11 | <0.481 | <0.969 | <0.969 | <9.62 | <0.481 | <0.481 | <0.0481 | <0.0481 |
| LR-67-01-801 | 01/31/11 | <0.467 | <0.954 | <0.954 | <9.52 | <0.476 | <0.476 | <0.0467 | <0.0467 |
| LR-67-01-801 | 02/28/11 | <0.467 | <0.951 | <0.951 | <9.64 | <0.482 | <0.482 | <0.0467 | <0.0467 |
| LR-67-01-801 | 04/04/11 | <0.467 | <0.946 | <0.946 | <9.68 | <0.484 | <0.484 | <0.0467 | <0.0467 |
| LR-67-01-801 | 05/02/11 | <0.500 | <1.02 | <1.02 | <10.4 | <0.520 | <0.520 | <0.0500 | <0.0500 |
| LR-67-01-801 | 06/06/11 | <0.500 | <0.991 | <0.991 | <10.4 | <0.521 | <0.521 | <0.100 | <0.100 |
| LR-67-01-801 | 07/05/11 | <0.472 | <0.998 | <0.998 | <9.59 | <0.479 | <0.479 | <0.0943 | <0.0943 |
| LR-67-01-801 | 08/03/11 | <0.556 | <0.995 | <0.995 | <10.4 | <0.521 | <0.521 | <0.111 | <0.111 |
| LR-67-01-801 | 09/06/11 | <0.467 | <0.996 | <0.996 | <9.77 | <0.488 | <0.488 | <0.0467 | <0.0467 |
| LR-67-01-801 | 10/03/11 | <0.472 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0472 | <0.0472 |
| LR-67-01-801 | 11/01/11 | <0.495 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0495 | <0.0495 |
| LR-67-01-801 | 12/05/11 | <0.467 | <1.97 | <1.97 | <9.55 | <0.477 | <0.477 | <0.0467 | <0.0467 |
| LR-67-01-819 | 01/19/11 | <0.467 | <0.953 | <0.953 | <9.62 | <0.481 | <0.481 | <0.0467 | <0.0467 |
| LR-67-01-819 | 01/31/11 | <0.467 | <0.957 | <0.957 | <9.52 | <0.476 | <0.476 | <0.0467 | <0.0467 |
| LR-67-01-819 | 02/28/11 | <0.467 | <0.950 | <0.950 | <9.64 | <0.482 | <0.482 | <0.0467 | <0.0467 |
| LR-67-01-819 | 04/04/11 | <0.467 | <0.954 | <0.954 | <9.67 | <0.483 | <0.483 | <0.0467 | <0.0467 |
| LR-67-01-819 | 05/02/11 | <0.500 | <1.01 | <1.01 | <10.2 | <0.512 | <0.512 | <0.0500 | <0.0500 |
| LR-67-01-819 | 06/06/11 | <0.532 | <0.980 | <0.980 | <10.4 | <0.519 | <0.519 | <0.106 | <0.106 |
| LR-67-01-819 | 07/05/11 | <0.472 | <0.990 | <0.990 | <9.55 | <0.477 | <0.477 | <0.0943 | <0.0943 |
| LR-67-01-819 | 08/03/11 | <0.500 | <0.998 | <0.998 | <10.4 | <0.518 | <0.518 | <0.100 | <0.100 |
| LR-67-01-819 | 09/06/11 | <0.467 | <0.947 | <0.947 | <9.57 | <0.479 | <0.479 | <0.0467 | <0.0467 |
| LR-67-01-819 | 09/28/11 | <0.467 | <0.943 | <0.943 | <120 | <0.500 | <0.500 | <0.0467 | <0.0467 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Chlordane (technical) (µg/L) | Chloro-pyrifos (µg/L) | Coumaphos (µg/L) | Dalapon (µg/L) | 2,4-D (mg/L) | 2,4-DB (µg/L) | 4,4'-DDD (µg/L) | 4,4'-DDE (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <0.500 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0500 | <0.0500 |
| LR-67-01-819 | 12/05/11 | <0.500 | <2.03 | <2.03 | <10.3 | <0.516 | <0.516 | <0.0500 | <0.0500 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <0.515 | <1.06 | <1.06 | <10.6 | <0.531 | <0.531 | <0.0515 | <0.0515 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <0.472 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0472 | <0.0472 |
| Medina River at Bandera [8178880] | 05/31/11 | <0.500 | <0.989 | <0.989 | <10.4 | <0.518 | <0.518 | <0.0500 | <0.0500 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <0.521 | <1.04 | <1.04 | <10.7 | <0.533 | <0.533 | <0.0521 | <0.0521 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <0.526 | <1.05 | <1.05 | <10.9 | <0.543 | <0.543 | <0.0526 | <0.0526 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <0.472 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0472 | <0.0472 |
| Frio River at Concan [8195000] | 05/25/11 | <0.505 | <1.03 | <1.03 | <10.4 | <0.519 | <0.519 | <0.0505 | <0.0505 |
| Frio River at Concan [8195000] | 10/19/11 | <0.500 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0500 | <0.0500 |
| Nueces River at Laguna [8190000] | 05/24/11 | <0.505 | <1.03 | <1.03 | <10.4 | <0.519 | <0.519 | <0.0505 | <0.0505 |
| Nueces River at Laguna [8190000] | 10/18/11 | <0.481 | <1.00 | <1.00 | <120 | <0.500 | <0.500 | <0.0481 | <0.0481 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <0.515 | <1.05 | <1.05 | <10.6 | <0.532 | <0.532 | <0.0515 | <0.0515 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4,4'-DDT (µg/L) | delta-BHC (µg/L) | Demeton (µg/L) | Demeton-O (µg/L) | Diazinon (µg/L) | Dicamba (µg/L) | Dichloro-prop (µg/L) | Dichloro-prop (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.0481 | <0.0481 | <2.39 | <2.39 | <0.955 | <0.485 | <0.485 | <0.485 |
| San Antonio Springs | 02/01/11 | <0.0481 | <0.0481 | <2.49 | <2.49 | <0.994 | <0.490 | <0.490 | <0.490 |
| San Pedro Springs | 01/12/11 | <0.0481 | <0.0481 | <2.42 | <2.42 | <0.969 | <0.481 | <0.481 | <0.481 |
| San Pedro Springs | 02/01/11 | <0.0472 | <0.0472 | <2.40 | <2.40 | <0.962 | <0.476 | <0.476 | <0.476 |
| San Pedro Springs | 03/03/11 | <0.0467 | <0.0467 | <2.37 | <2.37 | <0.949 | <0.481 | <0.481 | <0.481 |
| San Pedro Springs | 04/06/11 | <0.0472 | <0.0472 | <2.38 | <2.38 | <0.953 | <0.480 | <0.480 | <0.480 |
| Comal Springs #3 | 01/13/11 | <0.0472 | <0.0472 | <2.41 | <2.41 | <0.962 | <0.481 | <0.481 | <0.481 |
| Comal Springs #3 | 02/10/11 | <0.0467 | <0.0467 | <2.39 | <2.39 | <0.955 | <0.485 | <0.485 | <0.485 |
| Comal Springs #3 | 03/02/11 | <0.0467 | <0.0467 | <2.40 | <2.40 | <0.961 | <0.482 | <0.482 | <0.482 |
| Comal Springs #3 | 04/05/11 | <0.0476 | <0.0476 | <2.37 | <2.37 | <0.949 | <0.479 | <0.479 | <0.479 |
| Comal Springs #3 | 05/04/11 | <0.0500 | <0.0500 | <2.52 | <2.52 | <1.01 | <0.522 | <0.522 | <0.522 |
| Comal Springs #3 | 06/07/11 | <0.103 | <0.0515 | <2.46 | <2.46 | <0.984 | <0.527 | <0.527 | <0.527 |
| Comal Springs #3 | 07/06/11 | <0.100 | <0.0500 | <2.42 | <2.42 | <0.966 | <0.521 | <0.521 | <0.521 |
| Comal Springs #3 | 08/02/11 | <0.100 | <0.0500 | <2.41 | <2.41 | <0.966 | <0.518 | <0.518 | <0.518 |
| Comal Springs #3 | 09/07/11 | <0.0472 | <0.0472 | <2.40 | <2.40 | <0.962 | <0.478 | <0.478 | <0.478 |
| Comal Springs #3 | 10/03/11 | <0.0467 | <0.0467 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| Comal Springs #3 | 11/01/11 | <0.0495 | <0.0495 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| Comal Springs #3 | 12/06/11 | <0.0472 | <0.0472 | <4.74 | <4.74 | <1.90 | <0.520 | <0.520 | <0.520 |
| Comal Springs #7 | 01/13/11 | <0.0472 | <0.0472 | <2.40 | <2.40 | <0.959 | <0.481 | <0.481 | <0.481 |
| Comal Springs #7 | 02/10/11 | <0.0467 | <0.0467 | <2.48 | <2.48 | <0.992 | <0.485 | <0.485 | <0.485 |
| Comal Springs #7 | 03/02/11 | <0.0485 | <0.0485 | <2.43 | <2.43 | <0.973 | <0.486 | <0.486 | <0.486 |
| Comal Springs #7 | 04/06/11 | <0.0472 | <0.0472 | <2.55 | <2.55 | <1.02 | <0.577 | <0.577 | <0.577 |
| Comal Springs #7 | 05/04/11 | <0.0500 | <0.0500 | <2.61 | <2.61 | <1.04 | <0.503 | <0.503 | <0.503 |
| Comal Springs #7 | 06/07/11 | <0.103 | <0.0515 | <2.45 | <2.45 | <0.982 | <0.525 | <0.525 | <0.525 |
| Comal Springs #7 | 07/06/11 | <0.0943 | <0.0472 | <2.47 | <2.47 | <0.987 | <0.480 | <0.480 | <0.480 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4,4'-DDT (µg/L) | delta-BHC (µg/L) | Demeton (µg/L) | Demeton-O (µg/L) | Diazinon (µg/L) | Dicamba (µg/L) | Dichloro-prop (µg/L) | Dichloro-prop (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <0.100 | <0.0500 | <2.49 | <2.49 | <0.996 | <0.519 | <0.519 | <0.519 |
| Comal Springs #7 | 09/07/11 | <0.0472 | <0.0472 | <2.41 | <2.41 | <0.963 | <0.484 | <0.484 | <0.484 |
| Comal Springs #7 | 10/05/11 | <0.0467 | <0.0467 | <2.36 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 |
| Comal Springs #7 | 11/02/11 | <0.0495 | <0.0495 | <1.50 | <1.50 | <0.600 | <1.20 | <6.00 | <6.00 |
| Comal Springs #7 | 12/06/11 | <0.0467 | <0.0467 | <4.73 | <4.73 | <1.89 | <0.480 | <0.480 | <0.480 |
| DX-68-15-901 | 01/11/11 | <0.0481 | <0.0481 | <2.46 | <2.43 | <0.982 | <0.505 | <0.505 | <0.505 |
| DX-68-15-901 | 02/01/11 | <0.0500 | <0.0500 | <2.58 | <2.58 | <1.03 | <0.500 | <0.500 | <0.500 |
| DX-68-15-901 | 03/01/11 | <0.0485 | <0.0485 | <2.49 | <2.49 | <0.996 | <0.497 | <0.497 | <0.497 |
| DX-68-15-901 | 04/05/11 | <0.0500 | <0.0500 | <2.60 | <2.60 | <1.04 | <0.525 | <0.525 | <0.525 |
| DX-68-15-901 | 05/03/11 | <0.0510 | <0.0510 | <2.58 | <2.58 | <1.03 | <0.524 | <0.524 | <0.524 |
| DX-68-15-901 | 06/06/11 | <0.103 | <0.0515 | <2.49 | <2.49 | <0.998 | <0.538 | <0.538 | <0.538 |
| DX-68-15-901 | 07/05/11 | <0.100 | <0.0500 | <2.46 | <2.46 | <0.983 | <0.534 | <0.534 | <0.534 |
| DX-68-15-901 | 08/03/11 | <0.100 | <0.0500 | <2.47 | <2.47 | <0.990 | <0.521 | <0.521 | <0.521 |
| DX-68-15-901 | 09/06/11 | <0.0467 | <0.0467 | <2.37 | <2.37 | <0.947 | <0.480 | <0.480 | <0.480 |
| DX-68-23-301 | 01/10/11 | 0.00796J | 0.00377 | <2.44 | <2.44 | <0.976 | <0.490 | <0.490 | <0.490 |
| DX-68-23-301 | 02/10/11 | <0.0472 | <0.0472 | <2.40 | <2.40 | <0.962 | <0.481 | <0.481 | <0.481 |
| DX-68-23-301 | 03/02/11 | <0.0485 | <0.0485 | <2.45 | <2.45 | <0.980 | <0.497 | <0.497 | <0.497 |
| DX-68-23-301 | 04/05/11 | <0.0485 | <0.0485 | <2.43 | <2.43 | <0.972 | <0.498 | <0.498 | <0.498 |
| DX-68-23-301 | 05/03/11 | <0.0500 | <0.0500 | <2.52 | <2.52 | <1.01 | <0.513 | <0.513 | <0.513 |
| DX-68-23-301 | 06/07/11 | <0.103 | 0.00443 | <2.49 | <2.49 | <0.995 | <0.513 | <0.513 | <0.513 |
| DX-68-23-301 | 07/06/11 | <0.0943 | <0.0472 | <2.49 | <2.49 | <0.995 | <0.484 | <0.484 | <0.484 |
| DX-68-23-301 | 08/02/11 | <0.111 | <0.0556 | <2.48 | <2.48 | <0.994 | <0.522 | <0.522 | <0.522 |
| DX-68-23-301 | 09/07/11 | <0.0490 | <0.0490 | <2.46 | <2.46 | <0.983 | <0.510 | <0.510 | <0.510 |
| DX-68-23-301 | 10/05/11 | <0.0472 | <0.0472 | <2.36 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 |
| DX-68-23-301 | 11/02/11 | <0.0500 | <0.0500 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| DX-68-23-301 | 12/06/11 | <0.0467 | <0.0467 | <4.73 | <4.73 | <1.89 | <0.482 | <0.482 | <0.482 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4,4'-DDT (µg/L) | delta-BHC (µg/L) | Demeton (µg/L) | Demeton-O (µg/L) | Diazinon (µg/L) | Dicamba (µg/L) | Dichloro-prop (µg/L) | Dichloro-prop (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.0472 | <0.0472 | <2.42 | <2.38 | <0.967 | <0.485 | <0.485 | <0.485 |
| Hueco Springs B | 02/01/11 | <0.0467 | <0.0467 | <2.38 | <2.38 | <0.951 | <0.500 | <0.500 | <0.500 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <0.0526 | <0.0526 | <2.64 | <2.64 | <1.05 | <0.535 | <0.535 | <0.535 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <0.0505 | <0.0505 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| LR-67-01-801 | 01/10/11 | <0.0481 | <0.0481 | <2.42 | <2.42 | <0.969 | <0.481 | <0.481 | <0.481 |
| LR-67-01-801 | 01/31/11 | <0.0467 | <0.0467 | <2.39 | <2.39 | <0.954 | <0.476 | <0.476 | <0.476 |
| LR-67-01-801 | 02/28/11 | <0.0467 | <0.0467 | <2.38 | <2.38 | <0.951 | <0.482 | <0.482 | <0.482 |
| LR-67-01-801 | 04/04/11 | <0.0467 | <0.0467 | <2.37 | <2.37 | <0.946 | <0.484 | <0.484 | <0.484 |
| LR-67-01-801 | 05/02/11 | <0.0500 | <0.0500 | <2.55 | <2.55 | <1.02 | <0.520 | <0.520 | <0.520 |
| LR-67-01-801 | 06/06/11 | <0.100 | <0.0500 | <2.48 | <2.48 | <0.991 | <0.521 | <0.521 | <0.521 |
| LR-67-01-801 | 07/05/11 | <0.0943 | <0.0472 | <2.49 | <2.49 | <0.998 | <0.479 | <0.479 | <0.479 |
| LR-67-01-801 | 08/03/11 | <0.111 | <0.0556 | <2.49 | <2.49 | <0.995 | <0.521 | <0.521 | <0.521 |
| LR-67-01-801 | 09/06/11 | <0.0467 | <0.0467 | <2.49 | <2.49 | <0.996 | <0.488 | <0.488 | <0.488 |
| LR-67-01-801 | 10/03/11 | <0.0472 | <0.0472 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| LR-67-01-801 | 11/01/11 | <0.0495 | <0.0495 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| LR-67-01-801 | 12/05/11 | <0.0467 | <0.0467 | <4.93 | <4.93 | <1.97 | <0.477 | <0.477 | <0.477 |
| LR-67-01-819 | 01/19/11 | <0.0467 | <0.0467 | <2.38 | <2.38 | <0.953 | <0.481 | <0.481 | <0.481 |
| LR-67-01-819 | 01/31/11 | <0.0467 | <0.0467 | <2.39 | <2.39 | <0.957 | <0.476 | <0.476 | <0.476 |
| LR-67-01-819 | 02/28/11 | <0.0467 | <0.0467 | <2.38 | <2.38 | <0.950 | <0.482 | <0.482 | <0.482 |
| LR-67-01-819 | 04/04/11 | <0.0467 | <0.0467 | <2.39 | <2.39 | <0.954 | <0.483 | <0.483 | <0.483 |
| LR-67-01-819 | 05/02/11 | <0.0500 | <0.0500 | <2.53 | <2.53 | <1.01 | <0.512 | <0.512 | <0.512 |
| LR-67-01-819 | 06/06/11 | <0.106 | 0.00488 | <2.45 | <2.45 | <0.980 | <0.519 | <0.519 | <0.519 |
| LR-67-01-819 | 07/05/11 | <0.0943 | <0.0472 | <2.48 | <2.48 | <0.990 | <0.477 | <0.477 | <0.477 |
| LR-67-01-819 | 08/03/11 | <0.100 | <0.0500 | <2.50 | <2.50 | <0.998 | <0.518 | <0.518 | <0.518 |
| LR-67-01-819 | 09/06/11 | <0.0467 | <0.0467 | <2.37 | <2.37 | <0.947 | <0.479 | <0.479 | <0.479 |
| LR-67-01-819 | 09/28/11 | <0.0467 | <0.0467 | <2.36 | <2.36 | <0.943 | <1.20 | <6.00 | <6.00 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4,4'-DDT (µg/L) | delta-BHC (µg/L) | Demeton (µg/L) | Demeton-O (µg/L) | Diazinon (µg/L) | Dicamba (µg/L) | Dichloro-prop (µg/L) | Dichloro-prop (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <0.0500 | <0.0500 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| LR-67-01-819 | 12/05/11 | <0.0500 | <0.0500 | <5.08 | <5.08 | <2.03 | <0.516 | <0.516 | <0.516 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <0.0515 | <0.0515 | <2.64 | <2.64 | <1.06 | <0.531 | <0.531 | <0.531 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <0.0472 | <0.0472 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <0.0500 | <0.0500 | <2.47 | <2.47 | <0.989 | <0.518 | <0.518 | <0.518 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <0.0521 | <0.0521 | <2.61 | <2.61 | <1.04 | <0.533 | <0.533 | <0.533 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <0.0526 | <0.0526 | <2.62 | <2.62 | <1.05 | <0.543 | <0.543 | <0.543 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <0.0472 | <0.0472 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| Frio River at Concan [8195000] | 05/25/11 | <0.0505 | <0.0505 | <2.57 | <2.57 | <1.03 | <0.519 | <0.519 | <0.519 |
| Frio River at Concan [8195000] | 10/19/11 | <0.0500 | <0.0500 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <0.0505 | <0.0505 | <2.57 | <2.57 | <1.03 | <0.519 | <0.519 | <0.519 |
| Nueces River at Laguna [8190000] | 10/18/11 | <0.0481 | <0.0481 | <2.50 | <2.50 | <1.00 | <1.20 | <6.00 | <6.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <0.0515 | <0.0515 | <2.62 | <2.62 | <1.05 | <0.532 | <0.532 | <0.532 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Dichloro-vos (µg/L) | Dieldrin (µg/L) | Dimethoate (µg/L) | Dinoseb (mg/L) | Disulfoton (µg/L) | Endo-sulfan I (µg/L) | Endo-sulfan II (µg/L) | Endo-sulfan sulfate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <1.91 | <0.0481 | <1.91 | <5.83 | <1.91 | <0.0481 | <0.0481 | <0.0481 |
| San Antonio Springs | 02/01/11 | <1.99 | <0.0481 | <1.99 | <5.88 | <1.99 | <0.0481 | <0.0481 | <0.0481 |
| San Pedro Springs | 01/12/11 | <1.94 | <0.0481 | <1.94 | <5.77 | <1.94 | <0.0481 | <0.0481 | <0.0481 |
| San Pedro Springs | 02/01/11 | <1.92 | <0.0472 | <1.92 | <5.71 | <1.92 | <0.0472 | <0.0472 | <0.0472 |
| San Pedro Springs | 03/03/11 | <1.90 | <0.0467 | <1.90 | <5.77 | <1.90 | <0.0467 | <0.0467 | <0.0467 |
| San Pedro Springs | 04/06/11 | <1.91 | <0.0472 | <1.91 | <5.76 | <1.91 | <0.0472 | <0.0472 | <0.0472 |
| Comal Springs #3 | 01/13/11 | <1.92 | <0.0472 | <1.92 | <5.77 | <1.92 | <0.0472 | <0.0472 | <0.0472 |
| Comal Springs #3 | 02/10/11 | <1.91 | <0.0467 | <1.91 | <5.83 | <1.91 | <0.0467 | <0.0467 | <0.0467 |
| Comal Springs #3 | 03/02/11 | <1.92 | <0.0467 | <1.92 | <5.79 | <1.92 | <0.0467 | <0.0467 | <0.0467 |
| Comal Springs #3 | 04/05/11 | <1.90 | <0.0476 | <1.90 | <5.75 | <1.90 | <0.0476 | <0.0476 | <0.0476 |
| Comal Springs #3 | 05/04/11 | <2.01 | <0.0500 | <2.01 | <6.26 | <2.01 | <0.0500 | <0.0500 | <0.0500 |
| Comal Springs #3 | 06/07/11 | <1.97 | <0.103 | <1.97 | <6.32 | <1.97 | <0.0515 | <0.103 | <0.103 |
| Comal Springs #3 | 07/06/11 | <1.93 | <0.100 | <1.93 | <6.25 | <1.93 | <0.0500 | <0.100 | <0.100 |
| Comal Springs #3 | 08/02/11 | <1.93 | <0.100 | <1.93 | <6.22 | <1.93 | <0.0500 | <0.100 | <0.100 |
| Comal Springs #3 | 09/07/11 | <1.92 | <0.0472 | <1.92 | <5.74 | <1.92 | <0.0472 | <0.0472 | <0.0472 |
| Comal Springs #3 | 10/03/11 | <2.00 | <0.0467 | <2.00 | <6.00 | <2.00 | <0.0467 | <0.0467 | <0.0467 |
| Comal Springs #3 | 11/01/11 | <2.00 | <0.0495 | <2.00 | <6.00 | <2.00 | <0.0495 | <0.0495 | <0.0495 |
| Comal Springs #3 | 12/06/11 | <3.79 | <0.0472 | <3.79 | <6.24 | <3.79 | <0.0472 | <0.0472 | <0.0472 |
| Comal Springs #7 | 01/13/11 | <1.92 | <0.0472 | <1.92 | <5.77 | <1.92 | <0.0472 | <0.0472 | <0.0472 |
| Comal Springs #7 | 02/10/11 | <1.98 | <0.0467 | <1.98 | <5.83 | <1.98 | <0.0467 | <0.0467 | <0.0467 |
| Comal Springs #7 | 03/02/11 | <1.95 | <0.0485 | <1.95 | <5.83 | <1.95 | <0.0485 | <0.0485 | <0.0485 |
| Comal Springs #7 | 04/06/11 | <2.04 | <0.0472 | <2.04 | <6.93 | <2.04 | <0.0472 | <0.0472 | <0.0472 |
| Comal Springs #7 | 05/04/11 | <2.09 | <0.0500 | <2.09 | <6.03 | <2.09 | <0.0500 | <0.0500 | <0.0500 |
| Comal Springs #7 | 06/07/11 | <1.96 | <0.103 | <1.96 | <6.30 | <1.96 | <0.0515 | <0.103 | <0.103 |
| Comal Springs #7 | 07/06/11 | <1.97 | <0.0943 | <1.97 | <5.76 | <1.97 | <0.0472 | <0.0943 | <0.0943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Dichloro-vos (µg/L) | Dieldrin (µg/L) | Dimethoate (µg/L) | Dinoseb (mg/L) | Disulfoton (µg/L) | Endo-sulfan I (µg/L) | Endo-sulfan II (µg/L) | Endo-sulfan sulfate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <1.99 | <0.100 | <1.99 | <6.23 | <1.99 | <0.0500 | <0.100 | <0.100 |
| Comal Springs #7 | 09/07/11 | <1.93 | <0.0472 | <1.93 | <5.81 | <1.93 | <0.0472 | <0.0472 | <0.0472 |
| Comal Springs #7 | 10/05/11 | <1.89 | <0.0467 | <1.89 | <6.00 | <1.89 | <0.0467 | <0.0467 | <0.0467 |
| Comal Springs #7 | 11/02/11 | <1.20 | <0.0495 | <1.20 | <6.00 | <1.20 | <0.0495 | <0.0495 | <0.0495 |
| Comal Springs #7 | 12/06/11 | <3.78 | <0.0467 | <3.78 | <5.76 | <3.78 | <0.0467 | <0.0467 | <0.0467 |
| DX-68-15-901 | 01/11/11 | <1.96 | <0.0481 | <1.94 | <6.06 | <1.96 | <0.0481 | <0.0481 | <0.0481 |
| DX-68-15-901 | 02/01/11 | <2.06 | <0.0500 | <2.06 | <6.00 | <2.06 | <0.0500 | <0.0500 | <0.0500 |
| DX-68-15-901 | 03/01/11 | <1.99 | <0.0485 | <1.99 | <5.96 | <1.99 | <0.0485 | <0.0485 | <0.0485 |
| DX-68-15-901 | 04/05/11 | <2.08 | <0.0500 | <2.08 | <6.30 | <2.08 | <0.0500 | <0.0500 | <0.0500 |
| DX-68-15-901 | 05/03/11 | <2.06 | <0.0510 | <2.06 | <6.29 | <2.06 | <0.0510 | <0.0510 | <0.0510 |
| DX-68-15-901 | 06/06/11 | <2.00 | <0.103 | <2.00 | <6.46 | <2.00 | <0.0515 | <0.103 | <0.103 |
| DX-68-15-901 | 07/05/11 | <1.97 | <0.100 | <1.97 | <6.41 | <1.97 | <0.0500 | <0.100 | <0.100 |
| DX-68-15-901 | 08/03/11 | <1.98 | <0.100 | <1.98 | <6.25 | <1.98 | <0.0500 | <0.100 | <0.100 |
| DX-68-15-901 | 09/06/11 | <1.89 | <0.0467 | <1.89 | <5.77 | <1.89 | <0.0467 | <0.0467 | <0.0467 |
| DX-68-23-301 | 01/10/11 | <1.95 | <0.0472 | <1.95 | <5.88 | <1.95 | <0.0472 | 0.00830J | 0.00953J |
| DX-68-23-301 | 02/10/11 | <1.92 | <0.0472 | <1.92 | <5.77 | <1.92 | <0.0472 | <0.0472 | <0.0472 |
| DX-68-23-301 | 03/02/11 | <1.96 | <0.0485 | <1.96 | <5.96 | <1.96 | <0.0485 | <0.0485 | <0.0485 |
| DX-68-23-301 | 04/05/11 | <1.94 | <0.0485 | <1.94 | <5.98 | <1.94 | <0.0485 | <0.0485 | <0.0485 |
| DX-68-23-301 | 05/03/11 | <2.02 | <0.0500 | <2.02 | <6.16 | <2.02 | <0.0500 | <0.0500 | <0.0500 |
| DX-68-23-301 | 06/07/11 | <1.99 | <0.103 | <1.99 | <6.16 | <1.99 | <0.0515 | <0.103 | <0.103 |
| DX-68-23-301 | 07/06/11 | <1.99 | <0.0943 | <1.99 | <5.80 | <1.99 | <0.0472 | <0.0943 | <0.0943 |
| DX-68-23-301 | 08/02/11 | <1.99 | <0.111 | <1.99 | <6.26 | <1.99 | <0.0556 | <0.111 | <0.111 |
| DX-68-23-301 | 09/07/11 | <1.97 | <0.0490 | <1.97 | <6.12 | <1.97 | <0.0490 | <0.0490 | <0.0490 |
| DX-68-23-301 | 10/05/11 | <1.89 | <0.0472 | <1.89 | <6.00 | <1.89 | <0.0472 | <0.0472 | <0.0472 |
| DX-68-23-301 | 11/02/11 | <2.00 | <0.0500 | <2.00 | <6.00 | <2.00 | <0.0500 | <0.0500 | <0.0500 |
| DX-68-23-301 | 12/06/11 | <3.79 | <0.0467 | <3.79 | <5.79 | <3.79 | <0.0467 | <0.0467 | <0.0467 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Dichloro-vos (µg/L) | Dieldrin (µg/L) | Dimethoate (µg/L) | Dinoseb (mg/L) | Disulfoton (µg/L) | Endo-sulfan I (µg/L) | Endo-sulfan II (µg/L) | Endo-sulfan sulfate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <1.90 | <0.0472 | <1.93 | <5.83 | <1.90 | <0.0472 | <0.0472 | <0.0472 |
| Hueco Springs B | 02/01/11 | <1.90 | <0.0467 | <1.90 | <6.00 | <1.90 | <0.0467 | <0.0467 | <0.0467 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <2.11 | <0.0526 | <2.11 | <6.42 | <2.11 | <0.0526 | <0.0526 | <0.0526 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <2.00 | <0.0505 | <2.00 | <6.00 | <2.00 | <0.0505 | <0.0505 | <0.0505 |
| LR-67-01-801 | 01/10/11 | <1.94 | <0.0481 | <1.94 | <5.77 | <1.94 | <0.0481 | <0.0481 | <0.0481 |
| LR-67-01-801 | 01/31/11 | <1.91 | <0.0467 | <1.91 | <5.71 | <1.91 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-801 | 02/28/11 | <1.90 | <0.0467 | <1.90 | <5.79 | <1.90 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-801 | 04/04/11 | <1.89 | <0.0467 | <1.89 | <5.81 | <1.89 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-801 | 05/02/11 | <2.04 | <0.0500 | <2.04 | <6.24 | <2.04 | <0.0500 | <0.0500 | <0.0500 |
| LR-67-01-801 | 06/06/11 | <1.98 | <0.100 | <1.98 | <6.25 | <1.98 | <0.0500 | <0.100 | <0.100 |
| LR-67-01-801 | 07/05/11 | <2.00 | <0.0943 | <2.00 | <5.75 | <2.00 | <0.0472 | <0.0943 | <0.0943 |
| LR-67-01-801 | 08/03/11 | <1.99 | <0.111 | <1.99 | <6.26 | <1.99 | <0.0556 | <0.111 | <0.111 |
| LR-67-01-801 | 09/06/11 | <1.99 | <0.0467 | <1.99 | <5.86 | <1.99 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-801 | 10/03/11 | <2.00 | <0.0472 | <2.00 | <6.00 | <2.00 | <0.0472 | <0.0472 | <0.0472 |
| LR-67-01-801 | 11/01/11 | <2.00 | <0.0495 | <2.00 | <6.00 | <2.00 | <0.0495 | <0.0495 | <0.0495 |
| LR-67-01-801 | 12/05/11 | <3.94 | <0.0467 | <3.94 | <5.73 | <3.94 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-819 | 01/19/11 | <1.91 | <0.0467 | <1.91 | <5.77 | <1.91 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-819 | 01/31/11 | <1.91 | <0.0467 | <1.91 | <5.71 | <1.91 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-819 | 02/28/11 | <1.90 | <0.0467 | <1.90 | <5.79 | <1.90 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-819 | 04/04/11 | <1.91 | <0.0467 | <1.91 | <5.80 | <1.91 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-819 | 05/02/11 | <2.02 | <0.0500 | <2.02 | <6.15 | <2.02 | <0.0500 | <0.0500 | <0.0500 |
| LR-67-01-819 | 06/06/11 | <1.96 | <0.106 | <1.96 | <6.23 | <1.96 | <0.0532 | <0.106 | <0.106 |
| LR-67-01-819 | 07/05/11 | <1.98 | <0.0943 | <1.98 | <5.73 | <1.98 | <0.0472 | <0.0943 | <0.0943 |
| LR-67-01-819 | 08/03/11 | <2.00 | <0.100 | <2.00 | <6.21 | <2.00 | <0.0500 | <0.100 | <0.100 |
| LR-67-01-819 | 09/06/11 | <1.89 | <0.0467 | <1.89 | <5.74 | <1.89 | <0.0467 | <0.0467 | <0.0467 |
| LR-67-01-819 | 09/28/11 | <1.89 | <0.0467 | <1.89 | <6.00 | <1.89 | <0.0467 | <0.0467 | <0.0467 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Dichloro-vos (µg/L) | Dieldrin (µg/L) | Dimethoate (µg/L) | Dinoseb (mg/L) | Disulfoton (µg/L) | Endo-sulfan I (µg/L) | Endo-sulfan II (µg/L) | Endo-sulfan sulfate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <2.00 | <0.0500 | <2.00 | <6.00 | <2.00 | <0.0500 | <0.0500 | <0.0500 |
| LR-67-01-819 | 12/05/11 | <4.06 | <0.0500 | <4.06 | <6.19 | <4.06 | <0.0500 | <0.0500 | <0.0500 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <2.11 | <0.0515 | <2.11 | <6.37 | <2.11 | <0.0515 | <0.0515 | <0.0515 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <2.00 | <0.0472 | <2.00 | <6.00 | <2.00 | <0.0472 | <0.0472 | <0.0472 |
| Medina River at Bandera [8178880] | 05/31/11 | <1.98 | <0.0500 | <1.98 | <6.22 | <1.98 | <0.0500 | <0.0500 | <0.0500 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <2.08 | <0.0521 | <2.08 | <6.39 | <2.08 | <0.0521 | <0.0521 | <0.0521 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <2.09 | <0.0526 | <2.09 | <6.51 | <2.09 | <0.0526 | <0.0526 | <0.0526 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <2.00 | <0.0472 | <2.00 | <6.00 | <2.00 | <0.0472 | <0.0472 | <0.0472 |
| Frio River at Concan [8195000] | 05/25/11 | <2.05 | <0.0505 | <2.05 | <6.23 | <2.05 | <0.0505 | <0.0505 | <0.0505 |
| Frio River at Concan [8195000] | 10/19/11 | <2.00 | <0.0500 | <2.00 | <6.00 | <2.00 | <0.0500 | <0.0500 | <0.0500 |
| Nueces River at Laguna [8190000] | 05/24/11 | <2.06 | <0.0505 | <2.06 | <6.23 | <2.06 | <0.0505 | <0.0505 | <0.0505 |
| Nueces River at Laguna [8190000] | 10/18/11 | <2.00 | <0.0481 | <2.00 | <6.00 | <2.00 | <0.0481 | <0.0481 | <0.0481 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <2.09 | <0.0515 | <2.09 | <6.38 | <2.09 | <0.0515 | <0.0515 | <0.0515 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Endrin (µg/L) | Endrin aldehyde (µg/L) | Endrin ketone (µg/L) | EPN (µg/L) | Ethoprop (µg/L) | Famphur (µg/L) | Fensulfo-thion (µg/L) | Fenthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.0481 | <0.0481 | <0.0481 | <0.955 | <0.478 | <1.91 | <4.78 | <0.955 |
| San Antonio Springs | 02/01/11 | <0.0481 | <0.0481 | <0.0481 | <0.994 | <0.497 | <1.99 | <4.97 | <0.994 |
| San Pedro Springs | 01/12/11 | <0.0481 | <0.0481 | <0.0481 | <0.969 | <0.484 | <1.94 | <4.84 | <0.969 |
| San Pedro Springs | 02/01/11 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <0.481 | <1.92 | <4.81 | <0.962 |
| San Pedro Springs | 03/03/11 | <0.0467 | <0.0467 | <0.0467 | <0.949 | <0.475 | <1.90 | <4.75 | <0.949 |
| San Pedro Springs | 04/06/11 | <0.0472 | <0.0472 | <0.0472 | <0.953 | <0.477 | <1.91 | <4.77 | <0.953 |
| Comal Springs #3 | 01/13/11 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <0.481 | <1.92 | <4.81 | <0.962 |
| Comal Springs #3 | 02/10/11 | <0.0467 | <0.0467 | <0.0467 | <0.955 | <0.478 | <1.91 | <4.78 | <0.955 |
| Comal Springs #3 | 03/02/11 | <0.0467 | <0.0467 | <0.0467 | <0.961 | <0.480 | <1.92 | <4.80 | <0.961 |
| Comal Springs #3 | 04/05/11 | <0.0476 | <0.0476 | <0.0476 | <0.949 | <0.475 | <1.90 | <4.75 | <0.949 |
| Comal Springs #3 | 05/04/11 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <0.503 | <2.01 | <5.03 | <1.01 |
| Comal Springs #3 | 06/07/11 | <0.103 | <0.103 | <0.103 | <0.984 | <0.492 | <1.97 | <4.92 | <0.984 |
| Comal Springs #3 | 07/06/11 | <0.100 | <0.100 | <0.100 | <0.966 | <0.483 | <1.93 | <4.83 | <0.966 |
| Comal Springs #3 | 08/02/11 | <0.100 | <0.100 | <0.100 | <0.966 | <0.483 | <1.93 | <4.83 | <0.966 |
| Comal Springs #3 | 09/07/11 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <0.481 | <1.92 | <4.81 | <0.962 |
| Comal Springs #3 | 10/03/11 | <0.0467 | <0.0467 | <0.0467 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| Comal Springs #3 | 11/01/11 | <0.0495 | <0.0495 | <0.0495 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| Comal Springs #3 | 12/06/11 | <0.0472 | <0.0472 | <0.0472 | <1.90 | <0.948 | <3.79 | <9.48 | <1.90 |
| Comal Springs #7 | 01/13/11 | <0.0472 | <0.0472 | <0.0472 | <0.959 | <0.479 | <1.92 | <4.79 | <0.959 |
| Comal Springs #7 | 02/10/11 | <0.0467 | <0.0467 | <0.0467 | <0.992 | <0.496 | <1.98 | <4.96 | <0.992 |
| Comal Springs #7 | 03/02/11 | <0.0485 | <0.0485 | <0.0485 | <0.973 | <0.487 | <1.95 | <4.87 | <0.973 |
| Comal Springs #7 | 04/06/11 | <0.0472 | <0.0472 | <0.0472 | <1.02 | <0.511 | <2.04 | <5.11 | <1.02 |
| Comal Springs #7 | 05/04/11 | <0.0500 | <0.0500 | <0.0500 | <1.04 | <0.522 | <2.09 | <5.22 | <1.04 |
| Comal Springs #7 | 06/07/11 | <0.103 | <0.103 | <0.103 | <0.982 | <0.491 | <1.96 | <4.91 | <0.982 |
| Comal Springs #7 | 07/06/11 | <0.0943 | <0.0943 | <0.0943 | <0.987 | <0.494 | <1.97 | <4.94 | <0.987 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Endrin (µg/L) | Endrin aldehyde (µg/L) | Endrin ketone (µg/L) | EPN (µg/L) | Ethoprop (µg/L) | Famphur (µg/L) | Fensulfo-thion (µg/L) | Fenthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <0.100 | <0.100 | <0.100 | <0.996 | <0.498 | <1.99 | <4.98 | <0.996 |
| Comal Springs #7 | 09/07/11 | <0.0472 | <0.0472 | <0.0472 | <0.963 | <0.481 | <1.93 | <4.81 | <0.963 |
| Comal Springs #7 | 10/05/11 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <0.472 | <1.89 | <4.72 | <0.943 |
| Comal Springs #7 | 11/02/11 | <0.0495 | <0.0495 | <0.0495 | <0.600 | <0.300 | <1.20 | <3.00 | <0.600 |
| Comal Springs #7 | 12/06/11 | <0.0467 | <0.0467 | <0.0467 | <1.89 | <0.946 | <3.78 | <9.46 | <1.89 |
| DX-68-15-901 | 01/11/11 | <0.0481 | <0.0481 | <0.0481 | <0.971 | <0.491 | <1.94 | <4.91 | <0.971 |
| DX-68-15-901 | 02/01/11 | <0.0500 | <0.0500 | <0.0500 | <1.03 | <0.516 | <2.06 | <5.16 | <1.03 |
| DX-68-15-901 | 03/01/11 | <0.0485 | <0.0485 | <0.0485 | <0.996 | <0.498 | <1.99 | <4.98 | <0.996 |
| DX-68-15-901 | 04/05/11 | <0.0500 | <0.0500 | <0.0500 | <1.04 | <0.520 | <2.08 | <5.20 | <1.04 |
| DX-68-15-901 | 05/03/11 | <0.0510 | <0.0510 | <0.0510 | <1.03 | <0.516 | <2.06 | <5.16 | <1.03 |
| DX-68-15-901 | 06/06/11 | <0.103 | <0.103 | <0.103 | <0.998 | <0.499 | <2.00 | <4.99 | <0.998 |
| DX-68-15-901 | 07/05/11 | <0.100 | <0.100 | <0.100 | <0.983 | <0.491 | <1.97 | <4.91 | <0.983 |
| DX-68-15-901 | 08/03/11 | <0.100 | <0.100 | <0.100 | <0.990 | <0.495 | <1.98 | <4.95 | <0.990 |
| DX-68-15-901 | 09/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.947 | <0.474 | <1.89 | <4.74 | <0.947 |
| DX-68-23-301 | 01/10/11 | 0.00712J | 0.0125J | 0.00784J | <0.976 | <0.488 | <1.95 | <4.88 | <0.976 |
| DX-68-23-301 | 02/10/11 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <0.481 | <1.92 | <4.81 | <0.962 |
| DX-68-23-301 | 03/02/11 | <0.0485 | <0.0485 | <0.0485 | <0.980 | <0.490 | <1.96 | <4.90 | <0.980 |
| DX-68-23-301 | 04/05/11 | <0.0485 | <0.0485 | <0.0485 | <0.972 | <0.486 | <1.94 | <4.86 | <0.972 |
| DX-68-23-301 | 05/03/11 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <0.504 | <2.02 | <5.04 | <1.01 |
| DX-68-23-301 | 06/07/11 | <0.103 | <0.103 | <0.103 | <0.995 | <0.498 | <1.99 | <4.98 | <0.995 |
| DX-68-23-301 | 07/06/11 | <0.0943 | <0.0943 | <0.0943 | <0.995 | <0.498 | <1.99 | <4.98 | <0.995 |
| DX-68-23-301 | 08/02/11 | <0.111 | <0.111 | <0.111 | <0.994 | <0.497 | <1.99 | <4.97 | <0.994 |
| DX-68-23-301 | 09/07/11 | <0.0490 | <0.0490 | <0.0490 | <0.983 | <0.492 | <1.97 | <4.92 | <0.983 |
| DX-68-23-301 | 10/05/11 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <0.472 | <1.89 | <4.72 | <0.943 |
| DX-68-23-301 | 11/02/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| DX-68-23-301 | 12/06/11 | <0.0467 | <0.0467 | <0.0467 | <1.89 | <0.947 | <3.79 | <9.47 | <1.89 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Endrin (µg/L) | Endrin aldehyde (µg/L) | Endrin ketone (µg/L) | EPN (µg/L) | Ethoprop (µg/L) | Famphur (µg/L) | Fensulfo-thion (µg/L) | Fenthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.0472 | <0.0472 | <0.0472 | <0.967 | <0.476 | <1.93 | <4.76 | <0.967 |
| Hueco Springs B | 02/01/11 | <0.0467 | <0.0467 | <0.0467 | <0.951 | <0.476 | <1.90 | <4.76 | <0.951 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <0.0526 | <0.0526 | <0.0526 | <1.05 | <0.527 | <2.11 | <5.27 | <1.05 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <0.0505 | <0.0505 | <0.0505 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| LR-67-01-801 | 01/10/11 | <0.0481 | <0.0481 | <0.0481 | <0.969 | <0.484 | <1.94 | <4.84 | <0.969 |
| LR-67-01-801 | 01/31/11 | <0.0467 | <0.0467 | <0.0467 | <0.954 | <0.477 | <1.91 | <4.77 | <0.954 |
| LR-67-01-801 | 02/28/11 | <0.0467 | <0.0467 | <0.0467 | <0.951 | <0.475 | <1.90 | <4.75 | <0.951 |
| LR-67-01-801 | 04/04/11 | <0.0467 | <0.0467 | <0.0467 | <0.946 | <0.473 | <1.89 | <4.73 | <0.946 |
| LR-67-01-801 | 05/02/11 | <0.0500 | <0.0500 | <0.0500 | <1.02 | <0.509 | <2.04 | <5.09 | <1.02 |
| LR-67-01-801 | 06/06/11 | <0.100 | <0.100 | <0.100 | <0.991 | <0.495 | <1.98 | <4.95 | <0.991 |
| LR-67-01-801 | 07/05/11 | <0.0943 | <0.0943 | <0.0943 | <0.998 | <0.499 | <2.00 | <4.99 | <0.998 |
| LR-67-01-801 | 08/03/11 | <0.111 | <0.111 | <0.111 | <0.995 | <0.497 | <1.99 | <4.97 | <0.995 |
| LR-67-01-801 | 09/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.996 | <0.498 | <1.99 | <4.98 | <0.996 |
| LR-67-01-801 | 10/03/11 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| LR-67-01-801 | 11/01/11 | <0.0495 | <0.0495 | <0.0495 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| LR-67-01-801 | 12/05/11 | <0.0467 | <0.0467 | <0.0467 | <1.97 | <0.986 | <3.94 | <9.86 | <1.97 |
| LR-67-01-819 | 01/19/11 | <0.0467 | <0.0467 | <0.0467 | <0.953 | <0.477 | <1.91 | <4.77 | <0.953 |
| LR-67-01-819 | 01/31/11 | <0.0467 | <0.0467 | <0.0467 | <0.957 | <0.478 | <1.91 | <4.78 | <0.957 |
| LR-67-01-819 | 02/28/11 | <0.0467 | <0.0467 | <0.0467 | <0.950 | <0.475 | <1.90 | <4.75 | <0.950 |
| LR-67-01-819 | 04/04/11 | <0.0467 | <0.0467 | <0.0467 | <0.954 | <0.477 | <1.91 | <4.77 | <0.954 |
| LR-67-01-819 | 05/02/11 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <0.506 | <2.02 | <5.06 | <1.01 |
| LR-67-01-819 | 06/06/11 | <0.106 | <0.106 | <0.106 | <0.980 | <0.490 | <1.96 | <4.90 | <0.980 |
| LR-67-01-819 | 07/05/11 | <0.0943 | <0.0943 | <0.0943 | <0.990 | <0.495 | <1.98 | <4.95 | <0.990 |
| LR-67-01-819 | 08/03/11 | <0.100 | <0.100 | <0.100 | <0.998 | <0.499 | <2.00 | <4.99 | <0.998 |
| LR-67-01-819 | 09/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.947 | <0.474 | <1.89 | <4.74 | <0.947 |
| LR-67-01-819 | 09/28/11 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <0.472 | <1.89 | <4.72 | <0.943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Endrin (µg/L) | Endrin aldehyde (µg/L) | Endrin ketone (µg/L) | EPN (µg/L) | Ethoprop (µg/L) | Famphur (µg/L) | Fensulfo-thion (µg/L) | Fenthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| LR-67-01-819 | 12/05/11 | <0.0500 | <0.0500 | <0.0500 | <2.03 | <1.02 | <4.06 | <10.2 | <2.03 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <0.0515 | <0.0515 | <0.0515 | <1.06 | <0.529 | <2.11 | <5.29 | <1.06 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <0.0500 | <0.0500 | <0.0500 | <0.989 | <0.494 | <1.98 | <4.94 | <0.989 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <0.0521 | <0.0521 | <0.0521 | <1.04 | <0.521 | <2.08 | <5.21 | <1.04 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <0.0526 | <0.0526 | <0.0526 | <1.05 | <0.524 | <2.09 | <5.24 | <1.05 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| Frio River at Concan [8195000] | 05/25/11 | <0.0505 | <0.0505 | <0.0505 | <1.03 | <0.513 | <2.05 | <5.13 | <1.03 |
| Frio River at Concan [8195000] | 10/19/11 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <0.0505 | <0.0505 | <0.0505 | <1.03 | <0.515 | <2.06 | <5.15 | <1.03 |
| Nueces River at Laguna [8190000] | 10/18/11 | <0.0481 | <0.0481 | <0.0481 | <1.00 | <0.500 | <2.00 | <5.00 | <1.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <0.0515 | <0.0515 | <0.0515 | <1.05 | <0.523 | <2.09 | <5.23 | <1.05 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | gamma-BHC (µg/L) | gamma-Chlordane (µg/L) | Heptachlor (µg/L) | Heptachlor epoxide (µg/L) | Malathion (µg/L) | MCPA (µg/L) | MCPP (µg/L) | Merphos (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.955 | <117 | <117 | <1.43 |
| San Antonio Springs | 02/01/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.994 | <118 | <118 | <1.49 |
| San Pedro Springs | 01/12/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.969 | <115 | <115 | <1.45 |
| San Pedro Springs | 02/01/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <114 | <114 | <1.44 |
| San Pedro Springs | 03/03/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.949 | <115 | <115 | <1.42 |
| San Pedro Springs | 04/06/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.953 | <115 | <115 | <1.43 |
| Comal Springs #3 | 01/13/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <115 | <115 | <1.44 |
| Comal Springs #3 | 02/10/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.955 | <117 | <117 | <1.43 |
| Comal Springs #3 | 03/02/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.961 | <116 | <116 | <1.44 |
| Comal Springs #3 | 04/05/11 | <0.0476 | <0.0476 | <0.0476 | <0.0476 | <0.949 | <115 | <115 | <1.42 |
| Comal Springs #3 | 05/04/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <125 | <125 | <1.51 |
| Comal Springs #3 | 06/07/11 | <0.0515 | <0.0515 | <0.0515 | <0.0515 | <0.984 | <126 | <126 | <1.48 |
| Comal Springs #3 | 07/06/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.966 | <125 | <125 | <1.45 |
| Comal Springs #3 | 08/02/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.966 | <124 | <124 | <1.45 |
| Comal Springs #3 | 09/07/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <115 | <115 | <1.44 |
| Comal Springs #3 | 10/03/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <1.00 | <120 | <120 | <1.00 |
| Comal Springs #3 | 11/01/11 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <1.00 | <120 | <120 | <1.00 |
| Comal Springs #3 | 12/06/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <1.90 | <125 | <125 | <1.90 |
| Comal Springs #7 | 01/13/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.959 | <115 | <115 | <1.44 |
| Comal Springs #7 | 02/10/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.992 | <117 | <117 | <1.49 |
| Comal Springs #7 | 03/02/11 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.973 | <117 | <117 | <1.46 |
| Comal Springs #7 | 04/06/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <1.02 | <139 | <139 | <1.53 |
| Comal Springs #7 | 05/04/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.04 | <121 | <121 | <1.57 |
| Comal Springs #7 | 06/07/11 | <0.0515 | <0.0515 | <0.0515 | <0.0515 | <0.982 | <126 | <126 | <1.47 |
| Comal Springs #7 | 07/06/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.987 | <115 | <115 | <1.48 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | gamma-BHC (µg/L) | gamma-Chlordane (µg/L) | Heptachlor (µg/L) | Heptachlor epoxide (µg/L) | Malathion (µg/L) | MCPA (µg/L) | MCPP (µg/L) | Merphos (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.996 | <125 | <125 | <1.49 |
| Comal Springs #7 | 09/07/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.963 | <116 | <116 | <1.44 |
| Comal Springs #7 | 10/05/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <120 | <120 | <0.943 |
| Comal Springs #7 | 11/02/11 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <0.600 | <120 | <120 | <0.600 |
| Comal Springs #7 | 12/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <1.89 | <115 | <115 | <1.89 |
| DX-68-15-901 | 01/11/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.982 | <121 | <121 | <1.47 |
| DX-68-15-901 | 02/01/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.03 | <120 | <120 | <1.55 |
| DX-68-15-901 | 03/01/11 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.996 | <119 | <119 | <1.49 |
| DX-68-15-901 | 04/05/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.04 | <126 | <126 | <1.56 |
| DX-68-15-901 | 05/03/11 | <0.0510 | <0.0510 | <0.0510 | <0.0510 | <1.03 | <126 | <126 | <1.55 |
| DX-68-15-901 | 06/06/11 | <0.0515 | <0.0515 | <0.0515 | <0.0515 | <0.998 | <129 | <129 | <1.50 |
| DX-68-15-901 | 07/05/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.983 | <128 | <128 | <1.47 |
| DX-68-15-901 | 08/03/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.990 | <125 | <125 | <1.48 |
| DX-68-15-901 | 09/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.947 | <115 | <115 | <1.42 |
| DX-68-23-301 | 01/10/11 | 0.00348J | 0.0157J | <0.0472 | 0.00659J | <0.976 | <118 | <118 | <1.46 |
| DX-68-23-301 | 02/10/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.962 | <115 | <115 | <1.44 |
| DX-68-23-301 | 03/02/11 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.980 | <119 | <119 | <1.47 |
| DX-68-23-301 | 04/05/11 | <0.0485 | <0.0485 | <0.0485 | <0.0485 | <0.972 | <120 | <120 | <1.46 |
| DX-68-23-301 | 05/03/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <123 | <123 | <1.51 |
| DX-68-23-301 | 06/07/11 | <0.0515 | <0.0515 | <0.0515 | <0.0515 | <0.995 | <123 | <123 | <1.49 |
| DX-68-23-301 | 07/06/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.995 | <116 | <116 | <1.49 |
| DX-68-23-301 | 08/02/11 | <0.0556 | <0.0556 | <0.0556 | <0.0556 | <0.994 | <125 | <125 | <1.49 |
| DX-68-23-301 | 09/07/11 | <0.0490 | <0.0490 | <0.0490 | <0.0490 | <0.983 | <122 | <122 | <1.47 |
| DX-68-23-301 | 10/05/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.943 | <120 | <120 | <0.943 |
| DX-68-23-301 | 11/02/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <120 | <120 | <1.00 |
| DX-68-23-301 | 12/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <1.89 | <116 | <116 | <1.89 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | gamma-BHC (µg/L) | gamma-Chlordane (µg/L) | Heptachlor (µg/L) | Heptachlor epoxide (µg/L) | Malathion (µg/L) | MCPA (µg/L) | MCPP (µg/L) | Merphos (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.967 | <117 | <117 | <1.43 |
| Hueco Springs B | 02/01/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.951 | <120 | <120 | <1.43 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <0.0526 | <0.0526 | <0.0526 | <0.0526 | <1.05 | <128 | <128 | <1.58 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <1.00 | <120 | <120 | <1.00 |
| LR-67-01-801 | 01/10/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <0.969 | <115 | <115 | <1.45 |
| LR-67-01-801 | 01/31/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.954 | <114 | <114 | <1.43 |
| LR-67-01-801 | 02/28/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.951 | <116 | <116 | <1.43 |
| LR-67-01-801 | 04/04/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.946 | <116 | <116 | <1.42 |
| LR-67-01-801 | 05/02/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.02 | <125 | <125 | <1.53 |
| LR-67-01-801 | 06/06/11 | <0.0500 | <0.0500 | 0.00232 | <0.0500 | <0.991 | <125 | <125 | <1.49 |
| LR-67-01-801 | 07/05/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.998 | <115 | <115 | <1.50 |
| LR-67-01-801 | 08/03/11 | <0.0556 | <0.0556 | <0.0556 | <0.0556 | <0.995 | <125 | <125 | <1.49 |
| LR-67-01-801 | 09/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.996 | <117 | <117 | <1.49 |
| LR-67-01-801 | 10/03/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <120 | <120 | <1.00 |
| LR-67-01-801 | 11/01/11 | <0.0495 | <0.0495 | <0.0495 | <0.0495 | <1.00 | <120 | <120 | <1.00 |
| LR-67-01-801 | 12/05/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <1.97 | <115 | <115 | <1.97 |
| LR-67-01-819 | 01/19/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.953 | <115 | <115 | <1.43 |
| LR-67-01-819 | 01/31/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.957 | <114 | <114 | <1.44 |
| LR-67-01-819 | 02/28/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.950 | <116 | <116 | <1.43 |
| LR-67-01-819 | 04/04/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.954 | <116 | <116 | <1.43 |
| LR-67-01-819 | 05/02/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.01 | <123 | <123 | <1.52 |
| LR-67-01-819 | 06/06/11 | 0.00280 | <0.0532 | <0.0532 | <0.0532 | <0.980 | <125 | <125 | <1.47 |
| LR-67-01-819 | 07/05/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <0.990 | <115 | <115 | <1.49 |
| LR-67-01-819 | 08/03/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.998 | <124 | <124 | <1.50 |
| LR-67-01-819 | 09/06/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.947 | <115 | <115 | <1.42 |
| LR-67-01-819 | 09/28/11 | <0.0467 | <0.0467 | <0.0467 | <0.0467 | <0.943 | <120 | <120 | <0.943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | gamma-BHC (µg/L) | gamma-Chlordane (µg/L) | Heptachlor (µg/L) | Heptachlor epoxide (µg/L) | Malathion (µg/L) | MCPA (µg/L) | MCPP (µg/L) | Merphos (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <120 | <120 | <1.00 |
| LR-67-01-819 | 12/05/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <2.03 | <124 | <124 | <2.03 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <0.0515 | <0.0515 | <0.0515 | <0.0515 | <1.06 | <127 | <127 | <1.59 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <120 | <120 | <1.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.989 | <124 | <124 | <1.48 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <0.0521 | <0.0521 | <0.0521 | <0.0521 | <1.04 | <128 | <128 | <1.56 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <0.0526 | <0.0526 | <0.0526 | <0.0526 | <1.05 | <130 | <130 | <1.57 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <0.0472 | <0.0472 | <0.0472 | <0.0472 | <1.00 | <120 | <120 | <1.00 |
| Frio River at Concan [8195000] | 05/25/11 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <1.03 | <125 | <125 | <1.54 |
| Frio River at Concan [8195000] | 10/19/11 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <1.00 | <120 | <120 | <1.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <0.0505 | <0.0505 | <0.0505 | <0.0505 | <1.03 | <125 | <125 | <1.54 |
| Nueces River at Laguna [8190000] | 10/18/11 | <0.0481 | <0.0481 | <0.0481 | <0.0481 | <1.00 | <120 | <120 | <1.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <0.0515 | <0.0515 | <0.0515 | <0.0515 | <1.05 | <128 | <128 | <1.57 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methoxy-chlor (µg/L) | Methyl-parathion (µg/L) | Mevinphos (µg/L) | Mononcrotophos (µg/L) | Naled (µg/L) | Parathion (µg/L) | Penta-chloro-phenol (µg/L) | Phorate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.0481 | <0.478 | <1.91 | <9.55 | <4.78 | <0.955 | <9.43 | <0.955 |
| San Antonio Springs | 02/01/11 | <0.0481 | <0.497 | <1.99 | <9.94 | <4.97 | <0.994 | <9.52 | <0.994 |
| San Pedro Springs | 01/12/11 | <0.0481 | <0.484 | <1.94 | <9.69 | <4.84 | <0.969 | <9.43 | <0.969 |
| San Pedro Springs | 02/01/11 | <0.0472 | <0.481 | <1.92 | <9.62 | <4.81 | <0.962 | <0.238 | <0.962 |
| San Pedro Springs | 03/03/11 | <0.0467 | <0.475 | <1.90 | <9.49 | <4.75 | <0.949 | <9.35 | <0.949 |
| San Pedro Springs | 04/06/11 | <0.0472 | <0.477 | <1.91 | <9.53 | <4.77 | <0.953 | <9.43 | <0.953 |
| Comal Springs #3 | 01/13/11 | <0.0472 | <0.481 | <1.92 | <9.62 | <4.81 | <0.962 | <9.43 | <0.962 |
| Comal Springs #3 | 02/10/11 | <0.0467 | <0.478 | <1.91 | <9.55 | <4.78 | <0.955 | <9.43 | <0.955 |
| Comal Springs #3 | 03/02/11 | <0.0467 | <0.480 | <1.92 | <9.61 | <4.80 | <0.961 | <9.43 | <0.961 |
| Comal Springs #3 | 04/05/11 | <0.0476 | <0.475 | <1.90 | <9.49 | <4.75 | <0.949 | <9.62 | <0.949 |
| Comal Springs #3 | 05/04/11 | <0.0500 | <0.503 | <2.01 | <10.1 | <5.03 | <1.01 | <10.2 | <1.01 |
| Comal Springs #3 | 06/07/11 | <0.515 | <0.492 | <1.97 | <9.84 | <4.92 | <0.984 | <10.1 | <0.984 |
| Comal Springs #3 | 07/06/11 | <0.500 | <0.483 | <1.93 | <9.66 | <4.83 | <0.966 | <10.0 | <0.966 |
| Comal Springs #3 | 08/02/11 | <0.500 | <0.483 | <1.93 | <9.66 | <4.83 | <0.966 | <10.0 | <0.966 |
| Comal Springs #3 | 09/07/11 | <0.0472 | <0.481 | <1.92 | <9.62 | <4.81 | <0.962 | <9.62 | <0.962 |
| Comal Springs #3 | 10/03/11 | <0.0467 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <9.43 | <1.00 |
| Comal Springs #3 | 11/01/11 | <0.0495 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <9.90 | <1.00 |
| Comal Springs #3 | 12/06/11 | <0.0472 | <0.948 | <3.79 | <19.0 | <9.48 | <1.90 | <9.43 | <1.90 |
| Comal Springs #7 | 01/13/11 | <0.0472 | <0.479 | <1.92 | <9.59 | <4.79 | <0.959 | <9.35 | <0.959 |
| Comal Springs #7 | 02/10/11 | <0.0467 | <0.496 | <1.98 | <9.92 | <4.96 | <0.992 | <9.35 | <0.992 |
| Comal Springs #7 | 03/02/11 | <0.0485 | <0.487 | <1.95 | <9.73 | <4.87 | <0.973 | <10.0 | <0.973 |
| Comal Springs #7 | 04/06/11 | <0.0472 | <0.511 | <2.04 | <10.2 | <5.11 | <1.02 | <9.52 | <1.02 |
| Comal Springs #7 | 05/04/11 | <0.0500 | <0.522 | <2.09 | <10.4 | <5.22 | <1.04 | <10.5 | <1.04 |
| Comal Springs #7 | 06/07/11 | <0.515 | <0.491 | <1.96 | <9.82 | <4.91 | <0.982 | <10.1 | <0.982 |
| Comal Springs #7 | 07/06/11 | <0.472 | <0.494 | <1.97 | <9.87 | <4.94 | <0.987 | <9.43 | <0.987 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methoxy-chlor (µg/L) | Methyl-parathion (µg/L) | Mevinphos (µg/L) | Mononcro tophos (µg/L) | Naled (µg/L) | Parathion (µg/L) | Penta-chloro-phenol (µg/L) | Phorate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <0.500 | <0.498 | <1.99 | <9.96 | <4.98 | <0.996 | <10.2 | <0.996 |
| Comal Springs #7 | 09/07/11 | <0.0472 | <0.481 | <1.93 | <9.63 | <4.81 | <0.963 | <9.43 | <0.963 |
| Comal Springs #7 | 10/05/11 | <0.0467 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <9.35 | <0.943 |
| Comal Springs #7 | 11/02/11 | <0.0495 | <0.300 | <1.20 | <6.00 | <3.00 | <0.600 | <9.90 | <0.600 |
| Comal Springs #7 | 12/06/11 | <0.0467 | <0.946 | <3.78 | <18.9 | <9.46 | <1.89 | <9.35 | <1.89 |
| DX-68-15-901 | 01/11/11 | <0.0481 | <0.485 | <1.94 | <9.82 | <4.85 | <0.982 | <9.80 | <0.982 |
| DX-68-15-901 | 02/01/11 | <0.0500 | <0.516 | <2.06 | <10.3 | <5.16 | <1.03 | <9.90 | <1.03 |
| DX-68-15-901 | 03/01/11 | <0.0485 | <0.498 | <1.99 | <9.96 | <4.98 | <0.996 | <9.71 | <0.996 |
| DX-68-15-901 | 04/05/11 | <0.0500 | <0.520 | <2.08 | <10.4 | <5.20 | <1.04 | <10.0 | <1.04 |
| DX-68-15-901 | 05/03/11 | <0.0510 | <0.516 | <2.06 | <10.3 | <5.16 | <1.03 | <10.2 | <1.03 |
| DX-68-15-901 | 06/06/11 | <0.515 | <0.499 | <2.00 | <9.98 | <4.99 | <0.998 | <10.6 | <0.998 |
| DX-68-15-901 | 07/05/11 | <0.500 | <0.491 | <1.97 | <9.83 | <4.91 | <0.983 | <10.5 | <0.983 |
| DX-68-15-901 | 08/03/11 | <0.500 | <0.495 | <1.98 | <9.90 | <4.95 | <0.990 | <10.0 | <0.990 |
| DX-68-15-901 | 09/06/11 | <0.0467 | <0.474 | <1.89 | 6.65J | <4.74 | <0.947 | <9.35 | <0.947 |
| DX-68-23-301 | 01/10/11 | <0.0472 | <0.488 | <1.95 | <9.76 | <4.88 | <0.976 | <0.245 | <0.976 |
| DX-68-23-301 | 02/10/11 | <0.0472 | <0.481 | <1.92 | <9.62 | <4.81 | <0.962 | <9.35 | <0.962 |
| DX-68-23-301 | 03/02/11 | <0.0485 | <0.490 | <1.96 | <9.80 | <4.90 | <0.980 | <9.90 | <0.980 |
| DX-68-23-301 | 04/05/11 | <0.0485 | <0.486 | <1.94 | <9.72 | <4.86 | <0.972 | <9.71 | <0.972 |
| DX-68-23-301 | 05/03/11 | <0.0500 | <0.504 | <2.02 | <10.1 | <5.04 | <1.01 | <10.0 | <1.01 |
| DX-68-23-301 | 06/07/11 | <0.515 | <0.498 | <1.99 | <9.95 | <4.98 | <0.995 | <10.0 | <0.995 |
| DX-68-23-301 | 07/06/11 | <0.472 | <0.498 | <1.99 | <9.95 | <4.98 | <0.995 | <9.43 | <0.995 |
| DX-68-23-301 | 08/02/11 | <0.556 | <0.497 | <1.99 | <9.94 | <4.97 | <0.994 | <10.0 | <0.994 |
| DX-68-23-301 | 09/07/11 | <0.0490 | <0.492 | <1.97 | <9.83 | <4.92 | <0.983 | <9.80 | <0.983 |
| DX-68-23-301 | 10/05/11 | <0.0472 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <9.43 | <0.943 |
| DX-68-23-301 | 11/02/11 | <0.0500 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <10.0 | <1.00 |
| DX-68-23-301 | 12/06/11 | <0.0467 | <0.947 | <3.79 | <18.9 | <9.47 | <1.89 | <9.35 | <1.89 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methoxy-chlor (µg/L) | Methyl-parathion (µg/L) | Mevinphos (µg/L) | Mononcro tophos (µg/L) | Naled (µg/L) | Parathion (µg/L) | Penta-chloro-phenol (µg/L) | Phorate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.0472 | <0.484 | <1.93 | <9.67 | <4.76 | <0.967 | <10.0 | <0.951 |
| Hueco Springs B | 02/01/11 | <0.0467 | <0.476 | <1.90 | <9.51 | <4.76 | <0.951 | <9.35 | <0.951 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <0.0526 | <0.527 | <2.11 | <10.5 | <5.27 | <1.05 | <0.267 | <1.05 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <0.0505 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 01/10/11 | <0.0481 | <0.484 | <1.94 | <9.69 | <4.84 | <0.969 | <9.71 | <0.969 |
| LR-67-01-801 | 01/31/11 | <0.0467 | <0.477 | <1.91 | <9.54 | <4.77 | <0.954 | <0.238 | <0.954 |
| LR-67-01-801 | 02/28/11 | <0.0467 | <0.475 | <1.90 | <9.51 | <4.75 | <0.951 | <9.35 | <0.951 |
| LR-67-01-801 | 04/04/11 | <0.0467 | <0.473 | <1.89 | <9.46 | <4.73 | <0.946 | <9.35 | <0.946 |
| LR-67-01-801 | 05/02/11 | <0.0500 | <0.509 | <2.04 | <10.2 | <5.09 | <1.02 | <10.0 | <1.02 |
| LR-67-01-801 | 06/06/11 | <0.500 | <0.495 | <1.98 | <9.91 | <4.95 | <0.991 | <0.261 | <0.991 |
| LR-67-01-801 | 07/05/11 | <0.472 | <0.499 | <2.00 | <9.98 | <4.99 | <0.998 | <9.35 | <0.998 |
| LR-67-01-801 | 08/03/11 | <0.556 | <0.497 | <1.99 | <9.95 | <4.97 | <0.995 | <10.0 | <0.995 |
| LR-67-01-801 | 09/06/11 | <0.0467 | <0.498 | <1.99 | <9.96 | <4.98 | <0.996 | <9.43 | <0.996 |
| LR-67-01-801 | 10/03/11 | <0.0472 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <9.35 | <1.00 |
| LR-67-01-801 | 11/01/11 | <0.0495 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <9.90 | <1.00 |
| LR-67-01-801 | 12/05/11 | <0.0467 | <0.986 | <3.94 | <19.7 | <9.86 | <1.97 | <9.43 | <1.97 |
| LR-67-01-819 | 01/19/11 | <0.0467 | <0.477 | <1.91 | <9.53 | <4.77 | <0.953 | <9.35 | <0.953 |
| LR-67-01-819 | 01/31/11 | <0.0467 | <0.478 | <1.91 | <9.57 | <4.78 | <0.957 | <0.238 | <0.957 |
| LR-67-01-819 | 02/28/11 | <0.0467 | <0.475 | <1.90 | <9.50 | <4.75 | <0.950 | <9.43 | <0.950 |
| LR-67-01-819 | 04/04/11 | <0.0467 | <0.477 | <1.91 | <9.54 | <4.77 | <0.954 | <9.43 | <0.954 |
| LR-67-01-819 | 05/02/11 | <0.0500 | <0.506 | <2.02 | <10.1 | <5.06 | <1.01 | <10.0 | <1.01 |
| LR-67-01-819 | 06/06/11 | <0.532 | <0.490 | <1.96 | <9.80 | <4.90 | <0.980 | <10.0 | <0.980 |
| LR-67-01-819 | 07/05/11 | <0.472 | <0.495 | <1.98 | <9.90 | <4.95 | <0.990 | <9.35 | <0.990 |
| LR-67-01-819 | 08/03/11 | <0.500 | <0.499 | <2.00 | <9.98 | <4.99 | <0.998 | <10.0 | <0.998 |
| LR-67-01-819 | 09/06/11 | <0.0467 | <0.474 | <1.89 | 6.12J | <4.74 | <0.947 | <9.35 | <0.947 |
| LR-67-01-819 | 09/28/11 | <0.0467 | <0.472 | <1.89 | <9.43 | <4.72 | <0.943 | <9.35 | <0.943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Methoxy-chlor (µg/L) | Methyl-parathion (µg/L) | Mevinphos (µg/L) | Mononcrotophos (µg/L) | Naled (µg/L) | Parathion (µg/L) | Penta-chloro-phenol (µg/L) | Phorate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <0.0500 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <10.0 | <1.00 |
| LR-67-01-819 | 12/05/11 | <0.0500 | <1.02 | <4.06 | <20.3 | <10.2 | <2.03 | <10.0 | <2.03 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <0.0515 | <0.529 | <2.11 | <10.6 | <5.29 | <1.06 | <0.265 | <1.06 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <0.0472 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <0.0500 | <0.494 | <1.98 | <9.89 | <4.94 | <0.989 | <0.259 | <0.989 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <0.0521 | <0.521 | <2.08 | <10.4 | <5.21 | <1.04 | <0.266 | <1.04 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <0.0526 | <0.524 | <2.09 | <10.5 | <5.24 | <1.05 | <0.271 | <1.05 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <0.0472 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |
| Frio River at Concan [8195000] | 05/25/11 | <0.0505 | <0.513 | <2.05 | <10.3 | <5.13 | <1.03 | <0.260 | <1.03 |
| Frio River at Concan [8195000] | 10/19/11 | <0.0500 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <0.0505 | <0.515 | <2.06 | <10.3 | <5.15 | <1.03 | <0.259 | <1.03 |
| Nueces River at Laguna [8190000] | 10/18/11 | <0.0481 | <0.500 | <2.00 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <0.0515 | <0.523 | <2.09 | <10.5 | <5.23 | <1.05 | <0.266 | <1.05 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ronnel (µg/L) | Simazine (µg/L) | Stirophos (µg/L) | Sulfotepp (µg/L) | 2,4,5-T (mg/L) | 2,4,5-TP (mg/L) | Thionazin (µg/L) | Tokuthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.955 | NA | <0.955 | <0.478 | <0.485 | <0.485 | <0.955 | <0.955 |
| San Antonio Springs | 02/01/11 | <0.994 | NA | <0.994 | <0.497 | <0.490 | <0.490 | <0.994 | <0.994 |
| San Pedro Springs | 01/12/11 | <0.969 | NA | <0.969 | <0.484 | <0.481 | <0.481 | <0.969 | <0.969 |
| San Pedro Springs | 02/01/11 | <0.962 | NA | <0.962 | <0.481 | <0.476 | <0.476 | <0.962 | <0.962 |
| San Pedro Springs | 03/03/11 | <0.949 | NA | <0.949 | <0.475 | <0.481 | <0.481 | <0.949 | <0.949 |
| San Pedro Springs | 04/06/11 | <0.953 | NA | <0.953 | <0.477 | <0.480 | <0.480 | <0.953 | <0.953 |
| Comal Springs #3 | 01/13/11 | <0.962 | NA | <0.962 | <0.481 | <0.481 | <0.481 | <0.962 | <0.962 |
| Comal Springs #3 | 02/10/11 | <0.955 | NA | <0.955 | <0.478 | <0.485 | <0.485 | <0.955 | <0.955 |
| Comal Springs #3 | 03/02/11 | <0.961 | NA | <0.961 | <0.480 | <0.482 | <0.482 | <0.961 | <0.961 |
| Comal Springs #3 | 04/05/11 | <0.949 | NA | <0.949 | <0.475 | <0.479 | <0.479 | <0.949 | <0.949 |
| Comal Springs #3 | 05/04/11 | <1.01 | NA | <1.01 | <0.503 | <0.522 | <0.522 | <1.01 | <1.01 |
| Comal Springs #3 | 06/07/11 | <0.984 | NA | <0.984 | <0.492 | <0.527 | <0.527 | <0.984 | <0.984 |
| Comal Springs #3 | 07/06/11 | <0.966 | NA | <0.966 | <0.483 | <0.521 | <0.521 | <0.966 | <0.966 |
| Comal Springs #3 | 08/02/11 | <0.966 | NA | <0.966 | <0.483 | <0.518 | <0.518 | <0.966 | <0.966 |
| Comal Springs #3 | 09/07/11 | <0.962 | NA | <0.962 | <0.481 | <0.478 | <0.478 | <0.962 | <0.962 |
| Comal Springs #3 | 10/03/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| Comal Springs #3 | 11/01/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| Comal Springs #3 | 12/06/11 | <1.90 | NA | <1.90 | <0.948 | <0.520 | <0.520 | <1.90 | <1.90 |
| Comal Springs #7 | 01/13/11 | <0.959 | NA | <0.959 | <0.479 | <0.481 | <0.481 | <0.959 | <0.959 |
| Comal Springs #7 | 02/10/11 | <0.992 | NA | <0.992 | <0.496 | <0.485 | <0.485 | <0.992 | <0.992 |
| Comal Springs #7 | 03/02/11 | <0.973 | NA | <0.973 | <0.487 | <0.486 | <0.486 | <0.973 | <0.973 |
| Comal Springs #7 | 04/06/11 | <1.02 | NA | <1.02 | <0.511 | <0.577 | <0.577 | <1.02 | <1.02 |
| Comal Springs #7 | 05/04/11 | <1.04 | NA | <1.04 | <0.522 | <0.503 | <0.503 | <1.04 | <1.04 |
| Comal Springs #7 | 06/07/11 | <0.982 | NA | <0.982 | <0.491 | <0.525 | <0.525 | <0.982 | <0.982 |
| Comal Springs #7 | 07/06/11 | <0.987 | NA | <0.987 | <0.494 | <0.480 | <0.480 | <0.987 | <0.987 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ronnel (µg/L) | Simazine (µg/L) | Stirophos (µg/L) | Sulfotepp (µg/L) | 2,4,5-T (mg/L) | 2,4,5-TP (mg/L) | Thionazin (µg/L) | Tokuthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <0.996 | NA | <0.996 | <0.498 | <0.519 | <0.519 | <0.996 | <0.996 |
| Comal Springs #7 | 09/07/11 | <0.963 | NA | <0.963 | <0.481 | <0.484 | <0.484 | <0.963 | <0.963 |
| Comal Springs #7 | 10/05/11 | <0.943 | NA | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| Comal Springs #7 | 11/02/11 | <0.600 | NA | <0.600 | <0.300 | <0.500 | <0.500 | <0.600 | <0.600 |
| Comal Springs #7 | 12/06/11 | <1.89 | NA | <1.89 | <0.946 | <0.480 | <0.480 | <1.89 | <1.89 |
| DX-68-15-901 | 01/11/11 | <0.971 | NA | <0.982 | <0.485 | <0.505 | <0.505 | <0.982 | <0.971 |
| DX-68-15-901 | 02/01/11 | <1.03 | NA | <1.03 | <0.516 | <0.500 | <0.500 | <1.03 | <1.03 |
| DX-68-15-901 | 03/01/11 | <0.996 | NA | <0.996 | <0.498 | <0.497 | <0.497 | <0.996 | <0.996 |
| DX-68-15-901 | 04/05/11 | <1.04 | NA | <1.04 | <0.520 | <0.525 | <0.525 | <1.04 | <1.04 |
| DX-68-15-901 | 05/03/11 | <1.03 | NA | <1.03 | <0.516 | <0.524 | <0.524 | <1.03 | <1.03 |
| DX-68-15-901 | 06/06/11 | <0.998 | NA | <0.998 | <0.499 | <0.538 | <0.538 | <0.998 | <0.998 |
| DX-68-15-901 | 07/05/11 | <0.983 | NA | <0.983 | <0.491 | <0.534 | <0.534 | <0.983 | <0.983 |
| DX-68-15-901 | 08/03/11 | <0.990 | NA | <0.990 | <0.495 | <0.521 | <0.521 | <0.990 | <0.990 |
| DX-68-15-901 | 09/06/11 | <0.947 | NA | <0.947 | <0.474 | <0.480 | <0.480 | <0.947 | <0.947 |
| DX-68-23-301 | 01/10/11 | <0.976 | NA | <0.976 | <0.488 | <0.490 | <0.490 | <0.976 | <0.976 |
| DX-68-23-301 | 02/10/11 | <0.962 | NA | <0.962 | <0.481 | <0.481 | <0.481 | <0.962 | <0.962 |
| DX-68-23-301 | 03/02/11 | <0.980 | NA | <0.980 | <0.490 | <0.497 | <0.497 | <0.980 | <0.980 |
| DX-68-23-301 | 04/05/11 | <0.972 | NA | <0.972 | <0.486 | <0.498 | <0.498 | <0.972 | <0.972 |
| DX-68-23-301 | 05/03/11 | <1.01 | NA | <1.01 | <0.504 | <0.513 | <0.513 | <1.01 | <1.01 |
| DX-68-23-301 | 06/07/11 | <0.995 | NA | <0.995 | <0.498 | <0.513 | <0.513 | <0.995 | <0.995 |
| DX-68-23-301 | 07/06/11 | <0.995 | NA | <0.995 | <0.498 | <0.484 | <0.484 | <0.995 | <0.995 |
| DX-68-23-301 | 08/02/11 | <0.994 | NA | <0.994 | <0.497 | <0.522 | <0.522 | <0.994 | <0.994 |
| DX-68-23-301 | 09/07/11 | <0.983 | NA | <0.983 | <0.492 | <0.510 | <0.510 | <0.983 | <0.983 |
| DX-68-23-301 | 10/05/11 | <0.943 | NA | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |
| DX-68-23-301 | 11/02/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| DX-68-23-301 | 12/06/11 | <1.89 | NA | <1.89 | <0.947 | <0.482 | <0.482 | <1.89 | <1.89 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ronnel (µg/L) | Simazine (µg/L) | Stirophos (µg/L) | Sulfotepp (µg/L) | 2,4,5-T (mg/L) | 2,4,5-TP (mg/L) | Thionazin (µg/L) | Tokuthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.967 | NA | <0.951 | <0.484 | <0.485 | <0.485 | <0.951 | <0.967 |
| Hueco Springs B | 02/01/11 | <0.951 | NA | <0.951 | <0.476 | <0.500 | <0.500 | <0.951 | <0.951 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <1.05 | NA | <1.05 | <0.527 | <0.535 | <0.535 | <1.05 | <1.05 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| LR-67-01-801 | 01/10/11 | <0.969 | NA | <0.969 | <0.484 | <0.481 | <0.481 | <0.969 | <0.969 |
| LR-67-01-801 | 01/31/11 | <0.954 | NA | <0.954 | <0.477 | <0.476 | <0.476 | <0.954 | <0.954 |
| LR-67-01-801 | 02/28/11 | <0.951 | NA | <0.951 | <0.475 | <0.482 | <0.482 | <0.951 | <0.951 |
| LR-67-01-801 | 04/04/11 | <0.946 | NA | <0.946 | <0.473 | <0.484 | <0.484 | <0.946 | <0.946 |
| LR-67-01-801 | 05/02/11 | <1.02 | NA | <1.02 | <0.509 | <0.520 | <0.520 | <1.02 | <1.02 |
| LR-67-01-801 | 06/06/11 | <0.991 | NA | <0.991 | <0.495 | <0.521 | <0.521 | <0.991 | <0.991 |
| LR-67-01-801 | 07/05/11 | <0.998 | NA | <0.998 | <0.499 | <0.479 | <0.479 | <0.998 | <0.998 |
| LR-67-01-801 | 08/03/11 | <0.995 | NA | <0.995 | <0.497 | <0.521 | <0.521 | <0.995 | <0.995 |
| LR-67-01-801 | 09/06/11 | <0.996 | NA | <0.996 | <0.498 | <0.488 | <0.488 | <0.996 | <0.996 |
| LR-67-01-801 | 10/03/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| LR-67-01-801 | 11/01/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| LR-67-01-801 | 12/05/11 | <1.97 | NA | <1.97 | <0.986 | <0.477 | <0.477 | <1.97 | <1.97 |
| LR-67-01-819 | 01/19/11 | <0.953 | NA | <0.953 | <0.477 | <0.481 | <0.481 | <0.953 | <0.953 |
| LR-67-01-819 | 01/31/11 | <0.957 | NA | <0.957 | <0.478 | <0.476 | <0.476 | <0.957 | <0.957 |
| LR-67-01-819 | 02/28/11 | <0.950 | NA | <0.950 | <0.475 | <0.482 | <0.482 | <0.950 | <0.950 |
| LR-67-01-819 | 04/04/11 | <0.954 | NA | <0.954 | <0.477 | <0.483 | <0.483 | <0.954 | <0.954 |
| LR-67-01-819 | 05/02/11 | <1.01 | NA | <1.01 | <0.506 | <0.512 | <0.512 | <1.01 | <1.01 |
| LR-67-01-819 | 06/06/11 | <0.980 | NA | <0.980 | <0.490 | <0.519 | <0.519 | <0.980 | <0.980 |
| LR-67-01-819 | 07/05/11 | <0.990 | NA | <0.990 | <0.495 | <0.477 | <0.477 | <0.990 | <0.990 |
| LR-67-01-819 | 08/03/11 | <0.998 | NA | <0.998 | <0.499 | <0.518 | <0.518 | <0.998 | <0.998 |
| LR-67-01-819 | 09/06/11 | <0.947 | NA | <0.947 | <0.474 | <0.479 | <0.479 | <0.947 | <0.947 |
| LR-67-01-819 | 09/28/11 | <0.943 | NA | <0.943 | <0.472 | <0.500 | <0.500 | <0.943 | <0.943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Ronnel (µg/L) | Simazine (µg/L) | Stirophos (µg/L) | Sulfotepp (µg/L) | 2,4,5-T (mg/L) | 2,4,5-TP (mg/L) | Thionazin (µg/L) | Tokuthion (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| LR-67-01-819 | 12/05/11 | <2.03 | NA | <2.03 | <1.02 | <0.516 | <0.516 | <2.03 | <2.03 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <1.06 | NA | <1.06 | <0.529 | <0.531 | <0.531 | <1.06 | <1.06 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <0.989 | NA | <0.989 | <0.494 | <0.518 | <0.518 | <0.989 | <0.989 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <1.04 | NA | <1.04 | <0.521 | <0.533 | <0.533 | <1.04 | <1.04 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <1.05 | NA | <1.05 | <0.524 | <0.543 | <0.543 | <1.05 | <1.05 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| Frio River at Concan [8195000] | 05/25/11 | <1.03 | NA | <1.03 | <0.513 | <0.519 | <0.519 | <1.03 | <1.03 |
| Frio River at Concan [8195000] | 10/19/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <1.03 | NA | <1.03 | <0.515 | <0.519 | <0.519 | <1.03 | <1.03 |
| Nueces River at Laguna [8190000] | 10/18/11 | <1.00 | NA | <1.00 | <0.500 | <0.500 | <0.500 | <1.00 | <1.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <1.05 | NA | <1.05 | <0.523 | <0.532 | <0.532 | <1.05 | <1.05 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Toxaphene (µg/L) | Trichloro-nate (µg/L) |
|---|---|---|---|
| San Antonio Springs | 01/12/11 | <0.962 | <0.955 |
| San Antonio Springs | 02/01/11 | <0.962 | <0.994 |
| San Pedro Springs | 01/12/11 | <0.962 | <0.969 |
| San Pedro Springs | 02/01/11 | <0.943 | <0.962 |
| San Pedro Springs | 03/03/11 | <0.935 | <0.949 |
| San Pedro Springs | 04/06/11 | <0.943 | <0.953 |
| Comal Springs #3 | 01/13/11 | <0.943 | <0.962 |
| Comal Springs #3 | 02/10/11 | <0.935 | <0.955 |
| Comal Springs #3 | 03/02/11 | <0.935 | <0.961 |
| Comal Springs #3 | 04/05/11 | <0.952 | <0.949 |
| Comal Springs #3 | 05/04/11 | <1.00 | <1.01 |
| Comal Springs #3 | 06/07/11 | <5.15 | <0.984 |
| Comal Springs #3 | 07/06/11 | <5.00 | <0.966 |
| Comal Springs #3 | 08/02/11 | <5.00 | <0.966 |
| Comal Springs #3 | 09/07/11 | <0.943 | <0.962 |
| Comal Springs #3 | 10/03/11 | <0.935 | <1.00 |
| Comal Springs #3 | 11/01/11 | <0.990 | <1.00 |
| Comal Springs #3 | 12/06/11 | <0.943 | <1.90 |
| Comal Springs #7 | 01/13/11 | <0.943 | <0.959 |
| Comal Springs #7 | 02/10/11 | <0.935 | <0.992 |
| Comal Springs #7 | 03/02/11 | <0.971 | <0.973 |
| Comal Springs #7 | 04/06/11 | <0.943 | <1.02 |
| Comal Springs #7 | 05/04/11 | <1.00 | <1.04 |
| Comal Springs #7 | 06/07/11 | <5.15 | <0.982 |
| Comal Springs #7 | 07/06/11 | <4.72 | <0.987 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Toxaphene (µg/L) | Trichloro-nate (µg/L) |
|---|---|---|---|
| Comal Springs #7 | 08/02/11 | <5.00 | <0.996 |
| Comal Springs #7 | 09/07/11 | <0.943 | <0.963 |
| Comal Springs #7 | 10/05/11 | <0.935 | <0.943 |
| Comal Springs #7 | 11/02/11 | <0.990 | <0.600 |
| Comal Springs #7 | 12/06/11 | <0.935 | <1.89 |
| DX-68-15-901 | 01/11/11 | <0.962 | <0.982 |
| DX-68-15-901 | 02/01/11 | <1.00 | <1.03 |
| DX-68-15-901 | 03/01/11 | <0.971 | <0.996 |
| DX-68-15-901 | 04/05/11 | <1.00 | <1.04 |
| DX-68-15-901 | 05/03/11 | <1.02 | <1.03 |
| DX-68-15-901 | 06/06/11 | <5.15 | <0.998 |
| DX-68-15-901 | 07/05/11 | <5.00 | <0.983 |
| DX-68-15-901 | 08/03/11 | <5.00 | <0.990 |
| DX-68-15-901 | 09/06/11 | <0.935 | <0.947 |
| DX-68-23-301 | 01/10/11 | <0.943 | <0.976 |
| DX-68-23-301 | 02/10/11 | <0.943 | <0.962 |
| DX-68-23-301 | 03/02/11 | <0.971 | <0.980 |
| DX-68-23-301 | 04/05/11 | <0.971 | <0.972 |
| DX-68-23-301 | 05/03/11 | <1.00 | <1.01 |
| DX-68-23-301 | 06/07/11 | <5.15 | <0.995 |
| DX-68-23-301 | 07/06/11 | <4.72 | <0.995 |
| DX-68-23-301 | 08/02/11 | <5.56 | <0.994 |
| DX-68-23-301 | 09/07/11 | <0.980 | <0.983 |
| DX-68-23-301 | 10/05/11 | <0.943 | <0.943 |
| DX-68-23-301 | 11/02/11 | <1.00 | <1.00 |
| DX-68-23-301 | 12/06/11 | <0.935 | <1.89 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Toxaphene (µg/L) | Trichloro-nate (µg/L) |
|---|---|---|---|
| Hueco Springs B | 01/11/11 | <0.943 | <0.967 |
| Hueco Springs B | 02/01/11 | <0.935 | <0.951 |
| Blanco River at Wimberley [8171000] | 05/23/11 | <1.05 | <1.05 |
| Blanco River at Wimberley [8171000] | 10/17/11 | <1.01 | <1.00 |
| LR-67-01-801 | 01/10/11 | <0.962 | <0.969 |
| LR-67-01-801 | 01/31/11 | <0.935 | <0.954 |
| LR-67-01-801 | 02/28/11 | <0.935 | <0.951 |
| LR-67-01-801 | 04/04/11 | <0.935 | <0.946 |
| LR-67-01-801 | 05/02/11 | <1.00 | <1.02 |
| LR-67-01-801 | 06/06/11 | <5.00 | <0.991 |
| LR-67-01-801 | 07/05/11 | <4.72 | <0.998 |
| LR-67-01-801 | 08/03/11 | <5.56 | <0.995 |
| LR-67-01-801 | 09/06/11 | <0.935 | <0.996 |
| LR-67-01-801 | 10/03/11 | <0.943 | <1.00 |
| LR-67-01-801 | 11/01/11 | <0.990 | <1.00 |
| LR-67-01-801 | 12/05/11 | <0.935 | <1.97 |
| LR-67-01-819 | 01/19/11 | <0.935 | <0.953 |
| LR-67-01-819 | 01/31/11 | <0.935 | <0.957 |
| LR-67-01-819 | 02/28/11 | <0.935 | <0.950 |
| LR-67-01-819 | 04/04/11 | <0.935 | <0.954 |
| LR-67-01-819 | 05/02/11 | <1.00 | <1.01 |
| LR-67-01-819 | 06/06/11 | <5.32 | <0.980 |
| LR-67-01-819 | 07/05/11 | <4.72 | <0.990 |
| LR-67-01-819 | 08/03/11 | <5.00 | <0.998 |
| LR-67-01-819 | 09/06/11 | <0.935 | <0.947 |
| LR-67-01-819 | 09/28/11 | <0.935 | <0.943 |

**Table C-12. (cont.)** Analytical data for pesticides, herbicides, and PCB (Aroclors) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Toxaphene (µg/L) | Trichloro-nate (µg/L) |
|---|---|---|---|
| LR-67-01-819 | 11/02/11 | <1.00 | <1.00 |
| LR-67-01-819 | 12/05/11 | <1.00 | <2.03 |
| Hondo Creek near Tarpley [8200000] | 05/26/11 | <1.03 | <1.06 |
| Hondo Creek near Tarpley [8200000] | 10/20/11 | <0.943 | <1.00 |
| Medina River at Bandera [8178880] | 05/31/11 | <1.00 | <0.989 |
| Seco Creek at Miller Ranch [8201500] | 05/25/11 | <1.04 | <1.04 |
| Dry Frio River at Reagan Wells [8196000] | 05/25/11 | <1.05 | <1.05 |
| Dry Frio River at Reagan Wells [8196000] | 10/19/11 | <0.943 | <1.00 |
| Frio River at Concan [8195000] | 05/25/11 | <1.01 | <1.03 |
| Frio River at Concan [8195000] | 10/19/11 | <1.00 | <1.00 |
| Nueces River at Laguna [8190000] | 05/24/11 | <1.01 | <1.03 |
| Nueces River at Laguna [8190000] | 10/18/11 | <0.962 | <1.00 |
| Sabinal River near Sabinal [8198000] | 05/25/11 | <1.03 | <1.05 |

NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-13.** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-benzene (µg/L) | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | 5.40J | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| San Antonio Springs | 02/01/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| San Pedro Springs | 01/12/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| San Pedro Springs | 02/01/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| San Pedro Springs | 03/03/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| San Pedro Springs | 04/06/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #3 | 01/13/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #3 | 02/10/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #3 | 03/02/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #3 | 04/05/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #3 | 05/04/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #3 | 06/07/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #3 | 07/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #3 | 08/02/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #3 | 09/07/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #3 | 10/03/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #3 | 11/01/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #3 | 12/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #7 | 01/13/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #7 | 02/10/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #7 | 03/02/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #7 | 04/06/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #7 | 05/04/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #7 | 06/07/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Comal Springs #7 | 07/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #7 | 08/02/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-benzene (µg/L) | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #7 | 10/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #7 | 11/02/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Comal Springs #7 | 12/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-15-901 | 01/11/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-15-901 | 02/01/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-15-901 | 03/01/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-15-901 | 04/05/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-15-901 | 05/03/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-15-901 | 06/06/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-15-901 | 07/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-15-901 | 08/03/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-15-901 | 09/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-23-301 | 01/10/11 | 5.87J | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-23-301 | 02/10/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-23-301 | 03/02/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-23-301 | 04/05/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-23-301 | 05/03/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-23-301 | 06/07/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| DX-68-23-301 | 07/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-23-301 | 08/02/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-23-301 | 09/07/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-23-301 | 10/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-23-301 | 11/02/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| DX-68-23-301 | 12/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Hueco Springs B | 01/11/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| Hueco Springs B | 02/01/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-benzene (µg/L) | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-801 | 01/31/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-801 | 02/28/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-801 | 04/04/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-801 | 05/02/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-801 | 06/06/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-801 | 07/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-801 | 08/03/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-801 | 09/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-801 | 10/03/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-801 | 11/01/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-801 | 12/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-819 | 01/19/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-01-819 | 02/28/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-819 | 04/04/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-819 | 05/02/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-819 | 06/06/11 | <10.0 | <50.0 | <1.00 | NA | NA | NA | <1.00 | <5.00 |
| LR-67-01-819 | 07/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-819 | 08/03/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-819 | 09/06/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-819 | 09/28/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-819 | 11/02/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| LR-67-01-819 | 12/05/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| Las Moras Creek at Red Bridge | 11/08/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| RP-70-45-501 | 10/10/11 | <10.0 | <50.0 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <5.00 |

**Table C-13.** (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2010

| Station Name | Date Sampled | Acetone (µg/L) | Acetonitrile (µg/L) | Acrolein (µg/L) | Acrylo-nitrile (µg/L) | Benzene (µg/L) | Benzyl Chloride (µg/L) | Bromo-acetone (µg/L) | Bromo-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Sink Creek at Limekiln Road | 04/29/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| Las Moras Creek at Red Bridge | 06/16/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| Pinto Creek at CR2804 | 06/16/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| RP-70-45-501 | 06/16/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point A | 01/06/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point A | 04/14/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point A | 07/13/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point A | 11/09/10 | <10.0 | <50.0 | NA | NA | <1.00 | NA | NA | NA |
| San Geronimo Creek point B | 01/06/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point B | 04/14/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point B | 07/13/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point B | 11/09/10 | <10.0 | <50.0 | NA | NA | <1.00 | NA | NA | NA |
| San Geronimo Creek point C | 01/06/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point C | 04/14/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point C | 07/13/10 | <1.00 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 | <1.00 | <0.50 |
| San Geronimo Creek point C | 11/09/10 | <10.0 | <50.0 | NA | NA | <1.00 | NA | NA | NA |

**Table C-13.** (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2010

| Station Name | Date Sampled | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) | 2-Butanone (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloral Hydrate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Leon Creek | 02/05/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Leon Creek | 04/20/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Lorence Creek | 01/15/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Antonio Springs | 03/04/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Antonio Springs | 04/14/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Antonio Springs | 05/05/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Antonio Springs | 06/02/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Antonio Springs | 07/12/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Antonio Springs | 10/15/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| San Antonio Springs | 11/15/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| San Antonio Springs | 11/29/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| San Pedro Springs | 03/04/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Pedro Springs | 04/14/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Pedro Springs | 05/05/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Pedro Springs | 06/02/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Pedro Springs | 07/12/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Pedro Springs | 10/15/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| San Pedro Springs | 11/17/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| San Pedro Springs | 12/01/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Comal Springs #3 | 03/04/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Comal Springs #3 | 04/13/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Comal Springs #3 | 05/03/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Comal Springs #3 | 06/03/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Comal Springs #3 | 10/15/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Comal Springs #3 | 12/01/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Comal Springs #7 | 03/02/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |

**Table C-13.** (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2010

| Station Name | Date Sampled | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) | 2-Butanone (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloral Hydrate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 04/14/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Comal Springs #7 | 05/05/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Comal Springs #7 | 06/03/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Comal Springs #7 | 10/14/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Comal Springs #7 | 11/16/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Comal Springs #7 | 11/17/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Comal Springs #7 | 12/01/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| DX-68-15-901 | 03/02/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-15-901 | 04/13/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-15-901 | 05/04/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-15-901 | 06/02/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-15-901 | 07/12/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-15-901 | 10/14/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| DX-68-15-901 | 11/30/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| DX-68-23-301 | 03/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-23-301 | 04/12/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-23-301 | 05/04/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-23-301 | 06/03/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-23-301 | 07/08/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| DX-68-23-301 | 10/12/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| DX-68-23-301 | 11/17/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| DX-68-23-301 | 11/30/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Hueco Springs B | 03/02/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Hueco Springs B | 04/13/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Hueco Springs B | 05/04/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Hueco Springs B | 06/02/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Hueco Springs B | 07/12/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |

**Table C-13.** (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2010

| Station Name | Date Sampled | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) | 2-Butanone (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloral Hydrate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Hueco Springs B | 10/14/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Hueco Springs B | 11/16/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| Hueco Springs B | 11/30/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| LR-67-01-801 | 03/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-801 | 04/12/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-801 | 05/03/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-801 | 06/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-801 | 07/08/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-801 | 10/12/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| LR-67-01-801 | 11/15/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| LR-67-01-801 | 11/29/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| LR-67-01-819 | 03/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-819 | 04/12/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-819 | 05/03/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-819 | 06/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-819 | 07/08/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-819 | 10/12/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| LR-67-01-819 | 11/15/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| LR-67-01-819 | 11/29/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| LR-67-01-820 | 06/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-8CA | 06/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-8CB | 06/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-8CP | 06/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-8DI | 06/01/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| LR-67-01-8SS | 04/29/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Rattlesnake Sinkhole | 04/28/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Sink Creek at Golf Course | 04/29/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |

**Table C-13.** (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2010

| Station Name | Date Sampled | Bromo-chloro-methane (µg/L) | Bromo-dichloro-methane (µg/L) | Bromoform (µg/L) | Bromo-methane (µg/L) | 2-Butanone (µg/L) | Carbon disulfide (µg/L) | Carbon tetra-chloride (µg/L) | Chloral Hydrate (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Sink Creek at Limekiln Road | 04/29/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Las Moras Creek at Red Bridge | 06/16/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| Pinto Creek at CR2804 | 06/16/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| RP-70-45-501 | 06/16/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point A | 01/06/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point A | 04/14/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point A | 07/13/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point A | 11/09/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| San Geronimo Creek point B | 01/06/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point B | 04/14/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point B | 07/13/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point B | 11/09/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |
| San Geronimo Creek point C | 01/06/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point C | 04/14/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point C | 07/13/10 | <1.00 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <1.00 |
| San Geronimo Creek point C | 11/09/10 | NA | <1.00 | <5.00 | <5.00 | <5.00 | <5.00 | <1.00 | NA |

**Table C-13.** (cont.) Analytical data for volatile organic compounds (VOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2010

| Station Name | Date Sampled | 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) | cis-1,2-Dichloro-ethene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Leon Creek | 02/05/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| Leon Creek | 04/20/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| Lorence Creek | 01/15/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Antonio Springs | 03/04/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Antonio Springs | 04/14/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Antonio Springs | 05/05/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Antonio Springs | 06/02/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Antonio Springs | 07/12/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Antonio Springs | 10/15/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| San Antonio Springs | 11/15/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| San Antonio Springs | 11/29/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| San Pedro Springs | 03/04/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Pedro Springs | 04/14/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Pedro Springs | 05/05/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Pedro Springs | 06/02/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Pedro Springs | 07/12/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| San Pedro Springs | 10/15/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| San Pedro Springs | 11/17/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| San Pedro Springs | 12/01/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| Comal Springs #3 | 03/04/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| Comal Springs #3 | 04/13/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| Comal Springs #3 | 05/03/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| Comal Springs #3 | 06/03/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |
| Comal Springs #3 | 10/15/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| Comal Springs #3 | 12/01/10 | <1.00 | <5.00 | NA | <1.00 | <5.00 | NA | NA | <1.00 |
| Comal Springs #7 | 03/02/10 | <0.50 | <1.00 | <0.50 | <1.00 | <0.50 | <0.50 | <0.50 | <0.50 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2-Dibromo-ethane (µg/L) | Ethyl-acetate (µg/L) | Dibromo-methane (µg/L) | 1,4-Dichloro-benzene (µg/L) | 1,3-Dichloro-benzene (µg/L) | 1,2-Dichloro-benzene (µg/L) | Dichloro-difluoro-methane (µg/L) | 1,2-Dichloro-ethane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| San Antonio Springs | 02/01/11 | <1.00 | <5.00 | <1.00 | <9.52 | <9.52 | <9.52 | <5.00 | <1.00 |
| San Pedro Springs | 01/12/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| San Pedro Springs | 02/01/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| San Pedro Springs | 03/03/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| San Pedro Springs | 04/06/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| Comal Springs #3 | 01/13/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| Comal Springs #3 | 02/10/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| Comal Springs #3 | 03/02/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| Comal Springs #3 | 04/05/11 | <1.00 | <5.00 | <1.00 | <9.62 | <9.62 | <9.62 | <5.00 | <1.00 |
| Comal Springs #3 | 05/04/11 | <1.00 | <5.00 | <1.00 | <10.2 | <10.2 | <10.2 | <5.00 | <1.00 |
| Comal Springs #3 | 06/07/11 | <1.00 | <5.00 | <1.00 | <10.1 | <10.1 | <10.1 | <5.00 | <1.00 |
| Comal Springs #3 | 07/06/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| Comal Springs #3 | 08/02/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| Comal Springs #3 | 09/07/11 | <1.00 | <5.00 | <1.00 | <9.62 | <1.00 | <9.62 | <5.00 | <1.00 |
| Comal Springs #3 | 10/03/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| Comal Springs #3 | 11/01/11 | <1.00 | <5.00 | <1.00 | <9.90 | <1.00 | <9.90 | <5.00 | <1.00 |
| Comal Springs #3 | 12/06/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| Comal Springs #7 | 01/13/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| Comal Springs #7 | 02/10/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| Comal Springs #7 | 03/02/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| Comal Springs #7 | 04/06/11 | <1.00 | <5.00 | <1.00 | <9.52 | <9.52 | <9.52 | <5.00 | <1.00 |
| Comal Springs #7 | 05/04/11 | <1.00 | <5.00 | <1.00 | <10.5 | <10.5 | <10.5 | <5.00 | <1.00 |
| Comal Springs #7 | 06/07/11 | <1.00 | <5.00 | <1.00 | <10.1 | <10.1 | <10.1 | <5.00 | <1.00 |
| Comal Springs #7 | 07/06/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| Comal Springs #7 | 08/02/11 | <1.00 | <5.00 | <1.00 | <10.2 | <1.00 | <10.2 | <5.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2-Dibromo-ethane (µg/L) | Ethyl-acetate (µg/L) | Dibromo-methane (µg/L) | 1,4-Dichloro-benzene (µg/L) | 1,3-Dichloro-benzene (µg/L) | 1,2-Dichloro-benzene (µg/L) | Dichloro-difluoro-methane (µg/L) | 1,2-Dichloro-ethane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| Comal Springs #7 | 10/05/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| Comal Springs #7 | 11/02/11 | <1.00 | <5.00 | <1.00 | <9.90 | <1.00 | <9.90 | <5.00 | <1.00 |
| Comal Springs #7 | 12/06/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| DX-68-15-901 | 01/11/11 | <1.00 | <5.00 | <1.00 | <9.80 | <9.80 | <9.80 | <5.00 | <1.00 |
| DX-68-15-901 | 02/01/11 | <1.00 | <5.00 | <1.00 | <9.90 | <9.90 | <9.90 | <5.00 | <1.00 |
| DX-68-15-901 | 03/01/11 | <1.00 | <5.00 | <1.00 | <9.71 | <9.71 | <9.71 | <5.00 | <1.00 |
| DX-68-15-901 | 04/05/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| DX-68-15-901 | 05/03/11 | <1.00 | <5.00 | <1.00 | <10.2 | <10.2 | <10.2 | <5.00 | <1.00 |
| DX-68-15-901 | 06/06/11 | <1.00 | <5.00 | <1.00 | <10.6 | <10.6 | <10.6 | <5.00 | <1.00 |
| DX-68-15-901 | 07/05/11 | <1.00 | <5.00 | <1.00 | <10.5 | <1.00 | <10.5 | <5.00 | <1.00 |
| DX-68-15-901 | 08/03/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| DX-68-15-901 | 09/06/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| DX-68-23-301 | 01/10/11 | <1.00 | <5.00 | <1.00 | <9.62 | <9.62 | <9.62 | <5.00 | <1.00 |
| DX-68-23-301 | 02/10/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| DX-68-23-301 | 03/02/11 | <1.00 | <5.00 | <1.00 | <9.90 | <9.90 | <9.90 | <5.00 | <1.00 |
| DX-68-23-301 | 04/05/11 | <1.00 | <5.00 | <1.00 | <9.71 | <9.71 | <9.71 | <5.00 | <1.00 |
| DX-68-23-301 | 05/03/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| DX-68-23-301 | 06/07/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| DX-68-23-301 | 07/06/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| DX-68-23-301 | 08/02/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| DX-68-23-301 | 09/07/11 | <1.00 | <5.00 | <1.00 | <9.80 | <1.00 | <9.80 | <5.00 | <1.00 |
| DX-68-23-301 | 10/05/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| DX-68-23-301 | 11/02/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| DX-68-23-301 | 12/06/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| Hueco Springs B | 01/11/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| Hueco Springs B | 02/01/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2-Dibromo-ethane (µg/L) | Ethyl-acetate (µg/L) | Dibromo-methane (µg/L) | 1,4-Dichloro-benzene (µg/L) | 1,3-Dichloro-benzene (µg/L) | 1,2-Dichloro-benzene (µg/L) | Dichloro-difluoro-methane (µg/L) | 1,2-Dichloro-ethane (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <1.00 | <5.00 | <1.00 | <9.71 | <9.71 | <9.71 | <5.00 | <1.00 |
| LR-67-01-801 | 01/31/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| LR-67-01-801 | 02/28/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| LR-67-01-801 | 04/04/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| LR-67-01-801 | 05/02/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| LR-67-01-801 | 06/06/11 | <1.00 | <5.00 | <1.00 | <10.1 | <10.1 | <10.1 | <5.00 | <1.00 |
| LR-67-01-801 | 07/05/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| LR-67-01-801 | 08/03/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| LR-67-01-801 | 09/06/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| LR-67-01-801 | 10/03/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| LR-67-01-801 | 11/01/11 | <1.00 | <5.00 | <1.00 | <9.90 | <1.00 | <9.90 | <5.00 | <1.00 |
| LR-67-01-801 | 12/05/11 | <1.00 | <5.00 | <1.00 | <9.43 | <1.00 | <9.43 | <5.00 | <1.00 |
| LR-67-01-819 | 01/19/11 | <1.00 | <5.00 | <1.00 | <9.35 | <9.35 | <9.35 | <5.00 | <1.00 |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | <9.35 | <9.35 | <9.35 | NA | NA |
| LR-67-01-819 | 02/28/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| LR-67-01-819 | 04/04/11 | <1.00 | <5.00 | <1.00 | <9.43 | <9.43 | <9.43 | <5.00 | <1.00 |
| LR-67-01-819 | 05/02/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| LR-67-01-819 | 06/06/11 | <1.00 | <5.00 | <1.00 | <10.0 | <10.0 | <10.0 | <5.00 | <1.00 |
| LR-67-01-819 | 07/05/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| LR-67-01-819 | 08/03/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| LR-67-01-819 | 09/06/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| LR-67-01-819 | 09/28/11 | <1.00 | <5.00 | <1.00 | <9.35 | <1.00 | <9.35 | <5.00 | <1.00 |
| LR-67-01-819 | 11/02/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| LR-67-01-819 | 12/05/11 | <1.00 | <5.00 | <1.00 | <10.0 | <1.00 | <10.0 | <5.00 | <1.00 |
| Las Moras Creek at Red Bridge | 11/08/11 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 |
| RP-70-45-501 | 10/10/11 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,1-Dichloro-ethane (µg/L) | cis-1,2-Dichloro-ethene (µg/L) | trans-1,2-Dichloro-ethene (µg/L) | 1,1-Dichloro-ethene (µg/L) | 1,3-Dichloro-propane (µg/L) | 2,2-Dichloro-propane (µg/L) | 1,2-Dichloro-propane (µg/L) | cis-1,3-Dichloro-propene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Antonio Springs | 02/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 01/12/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 02/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 03/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 04/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 01/13/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 02/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 03/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 04/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 05/04/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 06/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 07/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 08/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 09/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 10/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 11/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 12/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 01/13/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 02/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 03/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 04/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 05/04/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 06/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 07/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 08/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,1-Dichloro-ethane (µg/L) | cis-1,2-Dichloro-ethene (µg/L) | trans-1,2-Dichloro-ethene (µg/L) | 1,1-Dichloro-ethene (µg/L) | 1,3-Dichloro-propane (µg/L) | 2,2-Dichloro-propane (µg/L) | 1,2-Dichloro-propane (µg/L) | cis-1,3-Dichloro-propene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 10/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 11/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 12/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 01/11/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 02/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 03/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 04/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 05/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 06/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 07/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 08/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 09/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 01/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 02/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 03/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 04/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 05/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 06/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 07/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 08/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 09/07/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 10/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 11/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 12/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Hueco Springs B | 01/11/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Hueco Springs B | 02/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,1-Dichloro-ethane (µg/L) | cis-1,2-Dichloro-ethene (µg/L) | trans-1,2-Dichloro-ethene (µg/L) | 1,1-Dichloro-ethene (µg/L) | 1,3-Dichloro-propane (µg/L) | 2,2-Dichloro-propane (µg/L) | 1,2-Dichloro-propane (µg/L) | cis-1,3-Dichloro-propene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 01/31/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 02/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 04/04/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 05/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 06/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 07/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 08/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 09/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 10/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 11/01/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 12/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 01/19/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-01-819 | 02/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 04/04/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 05/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 06/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 07/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 08/03/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 09/06/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 09/28/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 11/02/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 12/05/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Las Moras Creek at Red Bridge | 11/08/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-501 | 10/10/11 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | trans-1,3-Dichloro-propene (µg/L) | 1,1-Dichloro-propene (µg/L) | 1,4-Dioxane (µg/L) | Ethyl-ether (µg/L) | Ethyl-meth-acrylate (µg/L) | Ethyl-benzene (µg/L) | Hexa-chloro-butadiene (µg/L) | 2-Hexa-none (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| San Antonio Springs | 02/01/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.52 | <5.00 |
| San Pedro Springs | 01/12/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| San Pedro Springs | 02/01/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| San Pedro Springs | 03/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| San Pedro Springs | 04/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #3 | 01/13/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #3 | 02/10/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #3 | 03/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #3 | 04/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.62 | <5.00 |
| Comal Springs #3 | 05/04/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.2 | <5.00 |
| Comal Springs #3 | 06/07/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.1 | <5.00 |
| Comal Springs #3 | 07/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| Comal Springs #3 | 08/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| Comal Springs #3 | 09/07/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.62 | <5.00 |
| Comal Springs #3 | 10/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #3 | 11/01/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.90 | <5.00 |
| Comal Springs #3 | 12/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #7 | 01/13/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| Comal Springs #7 | 02/10/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| Comal Springs #7 | 03/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| Comal Springs #7 | 04/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.52 | <5.00 |
| Comal Springs #7 | 05/04/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.5 | <5.00 |
| Comal Springs #7 | 06/07/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.1 | <5.00 |
| Comal Springs #7 | 07/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #7 | 08/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.2 | <5.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | trans-1,3-Dichloro-propene (µg/L) | 1,1-Dichloro-propene (µg/L) | 1,4-Dioxane (µg/L) | Ethyl-ether (µg/L) | Ethyl-meth-acrylate (µg/L) | Ethyl-benzene (µg/L) | Hexa-chloro-butadiene (µg/L) | 2-Hexa-none (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| Comal Springs #7 | 10/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| Comal Springs #7 | 11/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.90 | <5.00 |
| Comal Springs #7 | 12/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| DX-68-15-901 | 01/11/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.80 | <5.00 |
| DX-68-15-901 | 02/01/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.90 | <5.00 |
| DX-68-15-901 | 03/01/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.71 | <5.00 |
| DX-68-15-901 | 04/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| DX-68-15-901 | 05/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.2 | <5.00 |
| DX-68-15-901 | 06/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.6 | <5.00 |
| DX-68-15-901 | 07/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.5 | <5.00 |
| DX-68-15-901 | 08/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| DX-68-15-901 | 09/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| DX-68-23-301 | 01/10/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.62 | <5.00 |
| DX-68-23-301 | 02/10/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| DX-68-23-301 | 03/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.90 | <5.00 |
| DX-68-23-301 | 04/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.71 | <5.00 |
| DX-68-23-301 | 05/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| DX-68-23-301 | 06/07/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| DX-68-23-301 | 07/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| DX-68-23-301 | 08/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| DX-68-23-301 | 09/07/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.80 | <5.00 |
| DX-68-23-301 | 10/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| DX-68-23-301 | 11/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| DX-68-23-301 | 12/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| Hueco Springs B | 01/11/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| Hueco Springs B | 02/01/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | trans-1,3-Dichloro-propene (µg/L) | 1,1-Dichloro-propene (µg/L) | 1,4-Dioxane (µg/L) | Ethyl-ether (µg/L) | Ethyl-meth-acrylate (µg/L) | Ethyl-benzene (µg/L) | Hexa-chloro-butadiene (µg/L) | 2-Hexa-none (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.71 | <5.00 |
| LR-67-01-801 | 01/31/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-801 | 02/28/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-801 | 04/04/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-801 | 05/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| LR-67-01-801 | 06/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.1 | <5.00 |
| LR-67-01-801 | 07/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-801 | 08/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| LR-67-01-801 | 09/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| LR-67-01-801 | 10/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-801 | 11/01/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.90 | <5.00 |
| LR-67-01-801 | 12/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| LR-67-01-819 | 01/19/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | NA | NA | NA | <9.35 | NA |
| LR-67-01-819 | 02/28/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| LR-67-01-819 | 04/04/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.43 | <5.00 |
| LR-67-01-819 | 05/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| LR-67-01-819 | 06/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| LR-67-01-819 | 07/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-819 | 08/03/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| LR-67-01-819 | 09/06/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-819 | 09/28/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <9.35 | <5.00 |
| LR-67-01-819 | 11/02/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| LR-67-01-819 | 12/05/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <10.0 | <5.00 |
| Las Moras Creek at Red Bridge | 11/08/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 |
| RP-70-45-501 | 10/10/11 | <1.00 | <1.00 | <100 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Iodomethane (µg/L) | Isopropyl-benzene (µg/L) | 4-Isopropyl-toluene (µg/L) | Methyl-meth-acrylate (µg/L) | Methyl-tert-butyl-ether (µg/L) | 4-Methyl--2-Penta-none (µg/L) | Methylene Chloride (µg/L) | Naphthalene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| San Antonio Springs | 02/01/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.52 |
| San Pedro Springs | 01/12/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| San Pedro Springs | 02/01/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| San Pedro Springs | 03/03/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| San Pedro Springs | 04/06/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #3 | 01/13/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #3 | 02/10/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #3 | 03/02/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #3 | 04/05/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.62 |
| Comal Springs #3 | 05/04/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.2 |
| Comal Springs #3 | 06/07/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.1 |
| Comal Springs #3 | 07/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| Comal Springs #3 | 08/02/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| Comal Springs #3 | 09/07/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.62 |
| Comal Springs #3 | 10/03/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #3 | 11/01/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.90 |
| Comal Springs #3 | 12/06/11 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #7 | 01/13/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| Comal Springs #7 | 02/10/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| Comal Springs #7 | 03/02/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| Comal Springs #7 | 04/06/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.52 |
| Comal Springs #7 | 05/04/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.5 |
| Comal Springs #7 | 06/07/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.1 |
| Comal Springs #7 | 07/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #7 | 08/02/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.2 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Iodomethane (µg/L) | Isopropyl-benzene (µg/L) | 4-Isopropyl-toluene (µg/L) | Methyl-meth-acrylate (µg/L) | Methyl-tert-butyl-ether (µg/L) | 4-Methyl--2-Penta-none (µg/L) | Methylene Chloride (µg/L) | Naphthalene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| Comal Springs #7 | 10/05/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| Comal Springs #7 | 11/02/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.90 |
| Comal Springs #7 | 12/06/11 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| DX-68-15-901 | 01/11/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.80 |
| DX-68-15-901 | 02/01/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.90 |
| DX-68-15-901 | 03/01/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.71 |
| DX-68-15-901 | 04/05/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| DX-68-15-901 | 05/03/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.2 |
| DX-68-15-901 | 06/06/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.6 |
| DX-68-15-901 | 07/05/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.5 |
| DX-68-15-901 | 08/03/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| DX-68-15-901 | 09/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| DX-68-23-301 | 01/10/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.62 |
| DX-68-23-301 | 02/10/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| DX-68-23-301 | 03/02/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.90 |
| DX-68-23-301 | 04/05/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.71 |
| DX-68-23-301 | 05/03/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| DX-68-23-301 | 06/07/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| DX-68-23-301 | 07/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| DX-68-23-301 | 08/02/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| DX-68-23-301 | 09/07/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.80 |
| DX-68-23-301 | 10/05/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| DX-68-23-301 | 11/02/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| DX-68-23-301 | 12/06/11 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| Hueco Springs B | 01/11/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| Hueco Springs B | 02/01/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Iodomethane (µg/L) | Isopropyl-benzene (µg/L) | 4-Isopropyl-toluene (µg/L) | Methyl-methacrylate (µg/L) | Methyl-tert-butyl-ether (µg/L) | 4-Methyl--2-Penta-none (µg/L) | Methylene Chloride (µg/L) | Naphthalene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.71 |
| LR-67-01-801 | 01/31/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-801 | 02/28/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-801 | 04/04/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-801 | 05/02/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| LR-67-01-801 | 06/06/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.1 |
| LR-67-01-801 | 07/05/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-801 | 08/03/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| LR-67-01-801 | 09/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| LR-67-01-801 | 10/03/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-801 | 11/01/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.90 |
| LR-67-01-801 | 12/05/11 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| LR-67-01-819 | 01/19/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | NA | NA | NA | NA | <9.35 |
| LR-67-01-819 | 02/28/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| LR-67-01-819 | 04/04/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <9.43 |
| LR-67-01-819 | 05/02/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| LR-67-01-819 | 06/06/11 | <1.00 | NA | NA | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| LR-67-01-819 | 07/05/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-819 | 08/03/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| LR-67-01-819 | 09/06/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-819 | 09/28/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <9.35 |
| LR-67-01-819 | 11/02/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| LR-67-01-819 | 12/05/11 | <1.00 | <5.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <10.0 |
| Las Moras Creek at Red Bridge | 11/08/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <5.00 |
| RP-70-45-501 | 10/10/11 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <5.00 | <5.00 | <5.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Nitro-propane (µg/L) | n-Propyl-benzene (µg/L) | Styrene (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) | 1,2,4-Trichloro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| San Antonio Springs | 02/01/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.52 |
| San Pedro Springs | 01/12/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| San Pedro Springs | 02/01/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| San Pedro Springs | 03/03/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| San Pedro Springs | 04/06/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #3 | 01/13/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #3 | 02/10/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #3 | 03/02/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #3 | 04/05/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.62 |
| Comal Springs #3 | 05/04/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.2 |
| Comal Springs #3 | 06/07/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.1 |
| Comal Springs #3 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| Comal Springs #3 | 08/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| Comal Springs #3 | 09/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.62 |
| Comal Springs #3 | 10/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #3 | 11/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.90 |
| Comal Springs #3 | 12/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #7 | 01/13/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| Comal Springs #7 | 02/10/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| Comal Springs #7 | 03/02/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| Comal Springs #7 | 04/06/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.52 |
| Comal Springs #7 | 05/04/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.5 |
| Comal Springs #7 | 06/07/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.1 |
| Comal Springs #7 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #7 | 08/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.2 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Nitro-propane (µg/L) | n-Propyl-benzene (µg/L) | Styrene (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) | 1,2,4-Trichloro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| Comal Springs #7 | 10/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| Comal Springs #7 | 11/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.90 |
| Comal Springs #7 | 12/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| DX-68-15-901 | 01/11/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.80 |
| DX-68-15-901 | 02/01/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.90 |
| DX-68-15-901 | 03/01/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.71 |
| DX-68-15-901 | 04/05/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| DX-68-15-901 | 05/03/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.2 |
| DX-68-15-901 | 06/06/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.6 |
| DX-68-15-901 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.5 |
| DX-68-15-901 | 08/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| DX-68-15-901 | 09/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| DX-68-23-301 | 01/10/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.62 |
| DX-68-23-301 | 02/10/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| DX-68-23-301 | 03/02/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.90 |
| DX-68-23-301 | 04/05/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.71 |
| DX-68-23-301 | 05/03/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| DX-68-23-301 | 06/07/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| DX-68-23-301 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| DX-68-23-301 | 08/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| DX-68-23-301 | 09/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.80 |
| DX-68-23-301 | 10/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| DX-68-23-301 | 11/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| DX-68-23-301 | 12/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| Hueco Springs B | 01/11/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| Hueco Springs B | 02/01/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Nitro-propane (µg/L) | n-Propyl-benzene (µg/L) | Styrene (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) | 1,2,4-Trichloro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.71 |
| LR-67-01-801 | 01/31/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-801 | 02/28/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-801 | 04/04/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-801 | 05/02/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| LR-67-01-801 | 06/06/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.1 |
| LR-67-01-801 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-801 | 08/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| LR-67-01-801 | 09/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| LR-67-01-801 | 10/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-801 | 11/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.90 |
| LR-67-01-801 | 12/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.43 |
| LR-67-01-819 | 01/19/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | NA | NA | NA | NA | <9.35 |
| LR-67-01-819 | 02/28/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| LR-67-01-819 | 04/04/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <9.43 |
| LR-67-01-819 | 05/02/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| LR-67-01-819 | 06/06/11 | <5.00 | NA | <1.00 | NA | <1.00 | <1.00 | <1.00 | <10.0 |
| LR-67-01-819 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-819 | 08/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| LR-67-01-819 | 09/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-819 | 09/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <9.35 |
| LR-67-01-819 | 11/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| LR-67-01-819 | 12/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 |
| Las Moras Creek at Red Bridge | 11/08/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 |
| RP-70-45-501 | 10/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,3-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) | 1,2,3-Trichloro-propane (µg/L) | 1,1,2-Trichloro-trifluoro-ethane (µg/L) | 1,3,5-Trimethyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Antonio Springs | 02/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 01/12/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 02/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 03/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| San Pedro Springs | 04/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 01/13/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 02/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 03/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 04/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 05/04/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 06/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 08/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 09/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 10/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 11/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #3 | 12/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| Comal Springs #7 | 01/13/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 02/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 03/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 04/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 05/04/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 06/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 08/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,3-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) | 1,2,3-Trichloro-propane (µg/L) | 1,1,2-Trichloro-trifluoro-ethane (µg/L) | 1,3,5-Trimethyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 10/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 11/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Comal Springs #7 | 12/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| DX-68-15-901 | 01/11/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 02/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 03/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 04/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 05/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 06/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 08/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-15-901 | 09/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 01/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 02/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 03/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 04/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 05/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 06/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 07/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 08/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 09/07/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 10/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 11/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| DX-68-23-301 | 12/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| Hueco Springs B | 01/11/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| Hueco Springs B | 02/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,3-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) | 1,2,3-Trichloro-propane (µg/L) | 1,1,2-Trichloro-trifluoro-ethane (µg/L) | 1,3,5-Trimethyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 01/31/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 02/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 04/04/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 05/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 06/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 08/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 09/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 10/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 11/01/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-801 | 12/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| LR-67-01-819 | 01/19/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | NA | NA | NA | NA | NA |
| LR-67-01-819 | 02/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 04/04/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 05/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 06/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 07/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 08/03/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 09/06/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 09/28/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 11/02/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| LR-67-01-819 | 12/05/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 |
| Las Moras Creek at Red Bridge | 11/08/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| RP-70-45-501 | 10/10/11 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trimethyl-benzene (µg/L) | Vinyl acetate (µg/L) | Vinyl chloride (µg/L) | m,p-Xylene (µg/L) | o-Xylene (µg/L) | m,p-Xylene (µg/L) |
|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| San Antonio Springs | 02/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| San Pedro Springs | 01/12/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| San Pedro Springs | 02/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| San Pedro Springs | 03/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| San Pedro Springs | 04/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #3 | 01/13/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #3 | 02/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #3 | 03/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #3 | 04/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #3 | 05/04/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #3 | 06/07/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #3 | 07/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #3 | 08/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #3 | 09/07/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #3 | 10/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #3 | 11/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #3 | 12/06/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #7 | 01/13/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #7 | 02/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #7 | 03/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #7 | 04/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #7 | 05/04/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #7 | 06/07/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Comal Springs #7 | 07/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #7 | 08/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trimethyl-benzene (µg/L) | Vinyl acetate (µg/L) | Vinyl chloride (µg/L) | m,p-Xylene (µg/L) | o-Xylene (µg/L) | m,p-Xylene (µg/L) |
|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 09/07/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #7 | 10/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #7 | 11/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Comal Springs #7 | 12/06/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-15-901 | 01/11/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-15-901 | 02/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-15-901 | 03/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-15-901 | 04/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-15-901 | 05/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-15-901 | 06/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-15-901 | 07/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-15-901 | 08/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-15-901 | 09/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-301 | 01/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-23-301 | 02/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-23-301 | 03/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-23-301 | 04/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-23-301 | 05/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-23-301 | 06/07/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| DX-68-23-301 | 07/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-301 | 08/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-301 | 09/07/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-301 | 10/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-301 | 11/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| DX-68-23-301 | 12/06/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Hueco Springs B | 01/11/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| Hueco Springs B | 02/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |

**Table C-13. (cont.)** Analytical data for volatile organic compounds (VOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 1,2,4-Trimethyl-benzene (µg/L) | Vinyl acetate (µg/L) | Vinyl chloride (µg/L) | m,p-Xylene (µg/L) | o-Xylene (µg/L) | m,p-Xylene (µg/L) |
|---|---|---|---|---|---|---|---|
| LR-67-01-801 | 01/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-801 | 01/31/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-801 | 02/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-801 | 04/04/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-801 | 05/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-801 | 06/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-801 | 07/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-801 | 08/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-801 | 09/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-801 | 10/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-801 | 11/01/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-801 | 12/05/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-819 | 01/19/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-819 | 01/31/11 | NA | NA | NA | NA | NA | NA |
| LR-67-01-819 | 02/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-819 | 04/04/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-819 | 05/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-819 | 06/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | NA | NA |
| LR-67-01-819 | 07/05/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-819 | 08/03/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-819 | 09/06/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-819 | 09/28/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-819 | 11/02/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| LR-67-01-819 | 12/05/11 | <2.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| Las Moras Creek at Red Bridge | 11/08/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |
| RP-70-45-501 | 10/10/11 | <1.00 | <5.00 | <1.00 | <3.00 | <1.00 | <2.00 |

NA = Not Analyzed
J = detected between the method detection limit and the reporting limit

**Table C-14.** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acena-phthene (µg/L) | Acena-phthylene (µg/L) | Anthracene (µg/L) | Benzo(a)anthracene (µg/L) | Benzo(a)-pyrene (µg/L) | Benzo(b)-fluoranthene (µg/L) | Benzo(g,h,l)-perylene (µg/L) | Benzo(k)-fluoranthene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Antonio Springs | 02/01/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| San Pedro Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Pedro Springs | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 03/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 04/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 01/13/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 02/10/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 03/02/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 04/05/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 05/04/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #3 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| Comal Springs #3 | 07/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 09/07/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 10/03/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #3 | 12/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 01/13/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 03/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #7 | 04/06/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| Comal Springs #7 | 05/04/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| Comal Springs #7 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acenaphthene (µg/L) | Acenaphthylene (µg/L) | Anthracene (µg/L) | Benzo(a)-anthracene (µg/L) | Benzo(a)-pyrene (µg/L) | Benzo(b)-fluoranthene (µg/L) | Benzo(g,h,l)-perylene (µg/L) | Benzo(k)-fluoranthene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 08/02/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #7 | 09/07/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 10/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 11/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #7 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-15-901 | 01/11/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-15-901 | 02/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-15-901 | 03/01/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-15-901 | 04/05/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 05/03/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| DX-68-15-901 | 06/06/11 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| DX-68-15-901 | 07/05/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| DX-68-15-901 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 01/10/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| DX-68-23-301 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 03/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-23-301 | 04/05/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-23-301 | 05/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 06/07/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| DX-68-23-301 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 09/07/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-23-301 | 10/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acena-phthene (µg/L) | Acena-phthylene (µg/L) | Anthracene (µg/L) | Benzo(a)-anthracene (µg/L) | Benzo(a)-pyrene (µg/L) | Benzo(b)-fluoranthene (µg/L) | Benzo(g,h,l)-perylene (µg/L) | Benzo(k)-fluoranthene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Hueco Springs B | 01/11/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Hueco Springs B | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 01/10/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| LR-67-01-801 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 02/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 04/04/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 06/06/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| LR-67-01-801 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 09/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-801 | 10/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| LR-67-01-801 | 12/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 01/19/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 02/28/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 04/04/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 06/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Acena-phthene (µg/L) | Acena-phthylene (µg/L) | Anthracene (µg/L) | Benzo(a)-anthracene (µg/L) | Benzo(a) -pyrene (µg/L) | Benzo(b)-fluor-anthene (µg/L) | Benzo (g,h,I) perylene (µg/L) | Benzo(k)-fluoranthene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 09/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 12/05/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Benzyl Alcohol (µg/L) | bis(2-chloro-ethoxy) methane (µg/L) | bis(2-chloro-ethyl-) ether (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) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | 3.05J | <9.43 | <9.43 | <9.43 | <9.43 |
| San Antonio Springs | 02/01/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| San Pedro Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | 3.75J | <9.43 | <9.43 | <9.43 | <9.43 |
| San Pedro Springs | 02/01/11 | <9.35 | <9.35 | <9.35 | 3.74J | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 03/03/11 | <9.35 | <9.35 | <9.35 | 2.86J | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 04/06/11 | <9.43 | <9.43 | <9.43 | 9.52 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 01/13/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 02/10/11 | <9.43 | <9.43 | <9.43 | 74.3 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 03/02/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 04/05/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 05/04/11 | <10.2 | <10.2 | <10.2 | 2.45 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #3 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| Comal Springs #3 | 07/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 09/07/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 10/03/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #3 | 12/06/11 | <9.43 | <9.43 | <9.43 | 21.4 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 01/13/11 | <9.35 | <9.35 | <9.35 | 4.16J | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 03/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #7 | 04/06/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| Comal Springs #7 | 05/04/11 | <10.5 | <10.5 | <10.5 | 3.47 | <10.5 | <10.5 | <10.5 | <10.5 |
| Comal Springs #7 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Benzyl Alcohol (µg/L) | bis(2-chloro-ethoxy) methane (µg/L) | bis(2-chloro-ethyl-) ether (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) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 08/02/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #7 | 09/07/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 10/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 11/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #7 | 12/06/11 | <9.35 | <9.35 | <9.35 | 1.78J | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-15-901 | 01/11/11 | <9.80 | <9.80 | <9.80 | 2.03J | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-15-901 | 02/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-15-901 | 03/01/11 | <9.71 | <9.71 | <9.71 | 13.4 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-15-901 | 04/05/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 05/03/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| DX-68-15-901 | 06/06/11 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| DX-68-15-901 | 07/05/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| DX-68-15-901 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 01/10/11 | <9.62 | <9.62 | <9.62 | 68.3 | <9.62 | <9.62 | <9.62 | <9.62 |
| DX-68-23-301 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 03/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-23-301 | 04/05/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-23-301 | 05/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 06/07/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| DX-68-23-301 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 09/07/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-23-301 | 10/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Benzyl Alcohol (µg/L) | bis(2-chloro-ethoxy) methane (µg/L) | bis(2-chloro-ethyl-) ether (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) |
|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 12/06/11 | <9.35 | <9.35 | <9.35 | 5.93J | <9.35 | <9.35 | <9.35 | <9.35 |
| Hueco Springs B | 01/11/11 | <10.0 | <10.0 | <10.0 | 4.45J | <10.0 | <10.0 | <10.0 | <10.0 |
| Hueco Springs B | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 01/10/11 | <9.71 | <9.71 | <9.71 | 9.64J | <9.71 | <9.71 | <9.71 | <9.71 |
| LR-67-01-801 | 01/31/11 | <9.35 | <9.35 | <9.35 | 2.86J | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 02/28/11 | <9.35 | <9.35 | <9.35 | 4.65J | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 04/04/11 | <9.35 | <9.35 | <9.35 | 2.07J | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 06/06/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| LR-67-01-801 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 08/03/11 | <10.0 | <10.0 | <10.0 | 61.2 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 09/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-801 | 10/03/11 | <9.35 | <9.35 | <9.35 | 7.83J | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| LR-67-01-801 | 12/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 01/19/11 | <9.35 | <9.35 | <9.35 | 5.98 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 01/31/11 | <9.35 | <9.35 | <9.35 | 3.59J | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 02/28/11 | <9.43 | <9.43 | <9.43 | 1.88J | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 04/04/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 06/06/11 | <10.0 | <10.0 | <10.0 | 5.71J | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 07/05/11 | <9.35 | <9.35 | <9.35 | 89.6 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 09/06/11 | <9.35 | <9.35 | <9.35 | 1.86J | <9.35 | <9.35 | <9.35 | <9.35 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Benzyl Alcohol (µg/L) | bis(2-chloro-ethoxy) methane (µg/L) | bis(2-chloro-ethyl-) ether (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) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 09/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 11/02/11 | <10.0 | <10.0 | <10.0 | 14.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 12/05/11 | <10.0 | <10.0 | <10.0 | 28.4 | <10.0 | <10.0 | <10.0 | <10.0 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Chloro-naphthalene (µg/L) | 2-Chloro-phenol (µg/L) | 4-Chloro-phenyl phenyl ether (µg/L) | Chrysene (µg/L) | Dibenz(a,h) anthracene (µg/L) | Dibenzofuran (µg/L) | 3,3'-Dichloro-benzidine (µg/L) | 2,4-Dichloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Antonio Springs | 02/01/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| San Pedro Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Pedro Springs | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 03/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 04/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 01/13/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 02/10/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 03/02/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 04/05/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 05/04/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #3 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| Comal Springs #3 | 07/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 09/07/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 10/03/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #3 | 12/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 01/13/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 03/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #7 | 04/06/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| Comal Springs #7 | 05/04/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| Comal Springs #7 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Chloro-naphthalene (µg/L) | 2-Chloro-phenol (µg/L) | 4-Chloro-phenyl phenyl ether (µg/L) | Chrysene (µg/L) | Dibenz(a,h)anthracene (µg/L) | Dibenzofuran (µg/L) | 3,3'-Dichloro-benzidine (µg/L) | 2,4-Dichloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 08/02/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #7 | 09/07/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 10/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 11/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #7 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-15-901 | 01/11/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-15-901 | 02/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-15-901 | 03/01/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-15-901 | 04/05/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 05/03/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| DX-68-15-901 | 06/06/11 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| DX-68-15-901 | 07/05/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| DX-68-15-901 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 01/10/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| DX-68-23-301 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 03/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-23-301 | 04/05/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-23-301 | 05/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 06/07/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| DX-68-23-301 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 09/07/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-23-301 | 10/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Chloro-naphthalene (µg/L) | 2-Chloro-phenol (µg/L) | 4-Chloro-phenyl phenyl ether (µg/L) | Chrysene (µg/L) | Dibenz(a,h)anthracene (µg/L) | Dibenzofuran (µg/L) | 3,3'-Dichloro-benzidine (µg/L) | 2,4-Dichloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Hueco Springs B | 01/11/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Hueco Springs B | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 01/10/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| LR-67-01-801 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 02/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 04/04/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 06/06/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| LR-67-01-801 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 09/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-801 | 10/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| LR-67-01-801 | 12/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 01/19/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 02/28/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 04/04/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 06/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 2-Chloro-naphthalene (µg/L) | 2-Chloro-phenol (µg/L) | 4-Chloro-phenyl phenyl ether (µg/L) | Chrysene (µg/L) | Dibenz(a,h) anthracene (µg/L) | Dibenzofuran (µg/L) | 3,3'-Dichloro-benzidine (µg/L) | 2,4-Dichloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 09/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 12/05/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | 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) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Antonio Springs | 02/01/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| San Pedro Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Pedro Springs | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 03/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 04/06/11 | 0.838J | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 01/13/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 02/10/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 03/02/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 04/05/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 05/04/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #3 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| Comal Springs #3 | 07/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 09/07/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 10/03/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #3 | 12/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 01/13/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 03/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #7 | 04/06/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| Comal Springs #7 | 05/04/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| Comal Springs #7 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | 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) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 08/02/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #7 | 09/07/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 10/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 11/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #7 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-15-901 | 01/11/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-15-901 | 02/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-15-901 | 03/01/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-15-901 | 04/05/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 05/03/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| DX-68-15-901 | 06/06/11 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| DX-68-15-901 | 07/05/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| DX-68-15-901 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 01/10/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| DX-68-23-301 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 03/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-23-301 | 04/05/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-23-301 | 05/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 06/07/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| DX-68-23-301 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 09/07/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-23-301 | 10/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Hueco Springs B | 01/11/11 | 0.564J | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Hueco Springs B | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 01/10/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| LR-67-01-801 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 02/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 04/04/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 06/06/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| LR-67-01-801 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 09/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-801 | 10/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| LR-67-01-801 | 12/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 01/19/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 02/28/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 04/04/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 06/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 07/05/11 | 0.543J | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | 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) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 09/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 12/05/11 | 0.704J | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Di-n-octyl phthalate (µg/L) | Fluoranthene (µg/L) | Fluorene (µg/L) | 2-Fluoro-phenol (percent) | Hexa-chloro-benzene (µg/L) | Hexa-chloro-cycloPenta-diene (µg/L) | Hexa-chloro-ethane (µg/L) | Indeno(1,2,3-cd)pyrene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| San Antonio Springs | 02/01/11 | <9.52 | <9.52 | <9.52 | NA | <9.52 | <9.52 | <9.52 | <9.52 |
| San Pedro Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| San Pedro Springs | 02/01/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 03/03/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 04/06/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 01/13/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 02/10/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 03/02/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 04/05/11 | <9.62 | <9.62 | <9.62 | NA | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 05/04/11 | <10.2 | <10.2 | <10.2 | NA | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #3 | 06/07/11 | <10.1 | <10.1 | <10.1 | NA | <10.1 | <10.1 | <10.1 | <10.1 |
| Comal Springs #3 | 07/06/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 08/02/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 09/07/11 | <9.62 | <9.62 | <9.62 | NA | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 10/03/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 11/01/11 | <9.90 | <9.90 | <9.90 | NA | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #3 | 12/06/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 01/13/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 02/10/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 03/02/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #7 | 04/06/11 | <9.52 | <9.52 | <9.52 | NA | <9.52 | <9.52 | <9.52 | <9.52 |
| Comal Springs #7 | 05/04/11 | <10.5 | <10.5 | <10.5 | NA | <10.5 | <10.5 | <10.5 | <10.5 |
| Comal Springs #7 | 06/07/11 | <10.1 | <10.1 | <10.1 | NA | <10.1 | <10.1 | <10.1 | <10.1 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Di-n-octyl phthalate (µg/L) | Fluoranthene (µg/L) | Fluorene (µg/L) | 2-Fluoro-phenol (percent) | Hexa-chloro-benzene (µg/L) | Hexa-chloro-cycloPenta-diene (µg/L) | Hexa-chloro-ethane (µg/L) | Indeno(1,2,3-cd)pyrene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 07/06/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 08/02/11 | <10.2 | <10.2 | <10.2 | NA | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #7 | 09/07/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 10/05/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 11/02/11 | <9.90 | <9.90 | <9.90 | NA | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #7 | 12/06/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-15-901 | 01/11/11 | <9.80 | <9.80 | <9.80 | NA | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-15-901 | 02/01/11 | <9.90 | <9.90 | <9.90 | NA | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-15-901 | 03/01/11 | <9.71 | <9.71 | <9.71 | NA | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-15-901 | 04/05/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 05/03/11 | <10.2 | <10.2 | <10.2 | NA | <10.2 | <10.2 | <10.2 | <10.2 |
| DX-68-15-901 | 06/06/11 | <10.6 | <10.6 | <10.6 | NA | <10.6 | <10.6 | <10.6 | <10.6 |
| DX-68-15-901 | 07/05/11 | <10.5 | <10.5 | <10.5 | NA | <10.5 | <10.5 | <10.5 | <10.5 |
| DX-68-15-901 | 08/03/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 09/06/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 01/10/11 | <9.62 | <9.62 | <9.62 | NA | <9.62 | <9.62 | <9.62 | <9.62 |
| DX-68-23-301 | 02/10/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 03/02/11 | <9.90 | <9.90 | <9.90 | NA | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-23-301 | 04/05/11 | <9.71 | <9.71 | <9.71 | NA | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-23-301 | 05/03/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 06/07/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 07/06/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| DX-68-23-301 | 08/02/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 09/07/11 | <9.80 | <9.80 | <9.80 | NA | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-23-301 | 10/05/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Di-n-octyl phthalate (µg/L) | Fluoranthene (µg/L) | Fluorene (µg/L) | 2-Fluoro-phenol (percent) | Hexa-chloro-benzene (µg/L) | Hexa-chloro-cycloPenta-diene (µg/L) | Hexa-chloro-ethane (µg/L) | Indeno (1,2,3-cd)pyrene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 11/02/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 12/06/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| Hueco Springs B | 01/11/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| Hueco Springs B | 02/01/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 01/10/11 | <9.71 | <9.71 | <9.71 | NA | <9.71 | <9.71 | <9.71 | <9.71 |
| LR-67-01-801 | 01/31/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 02/28/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 04/04/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 05/02/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 06/06/11 | <10.1 | <10.1 | <10.1 | NA | <10.1 | <10.1 | <10.1 | <10.1 |
| LR-67-01-801 | 07/05/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 08/03/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 09/06/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-801 | 10/03/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 11/01/11 | <9.90 | <9.90 | <9.90 | NA | <9.90 | <9.90 | <9.90 | <9.90 |
| LR-67-01-801 | 12/05/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 01/19/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 01/31/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 02/28/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 04/04/11 | <9.43 | <9.43 | <9.43 | NA | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 05/02/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 06/06/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 07/05/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 08/03/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 09/06/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Di-n-octyl phthalate (µg/L) | Fluoranthene (µg/L) | Fluorene (µg/L) | 2-Fluoro-phenol (percent) | Hexa-chloro-benzene (µg/L) | Hexa-chloro-cycloPenta-diene (µg/L) | Hexa-chloro-ethane (µg/L) | Indeno(1,2,3-cd)pyrene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 09/28/11 | <9.35 | <9.35 | <9.35 | NA | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 11/02/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 12/05/11 | <10.0 | <10.0 | <10.0 | NA | <10.0 | <10.0 | <10.0 | <10.0 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Isophorone (µg/L) | 2-Methyl-naphthalene (µg/L) | 3,4-Methyl-phenol (µg/L) | 2-Methyl-phenol (µg/L) | 4-Nitro-aniline (µg/L) | 2-Nitro-aniline (µg/L) | 3-Nitro-aniline (µg/L) | Nitro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Antonio Springs | 02/01/11 | <9.52 | <9.52 | <19.0 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| San Pedro Springs | 01/12/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Pedro Springs | 02/01/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 03/03/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 04/06/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 01/13/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 02/10/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 03/02/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 04/05/11 | <9.62 | <9.62 | <19.2 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 05/04/11 | <10.2 | <10.2 | <20.4 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #3 | 06/07/11 | <10.1 | <10.1 | <20.2 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| Comal Springs #3 | 07/06/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 08/02/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 09/07/11 | <9.62 | <9.62 | <19.2 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 10/03/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 11/01/11 | <9.90 | <9.90 | <19.8 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #3 | 12/06/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 01/13/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 02/10/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 03/02/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #7 | 04/06/11 | <9.52 | <9.52 | <19.0 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| Comal Springs #7 | 05/04/11 | <10.5 | <10.5 | <21.1 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| Comal Springs #7 | 06/07/11 | <10.1 | <10.1 | <20.2 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Isophorone (µg/L) | 2-Methyl-naphthalene (µg/L) | 3,4-Methyl-phenol (µg/L) | 2-Methyl-phenol (µg/L) | 4-Nitro-aniline (µg/L) | 2-Nitro-aniline (µg/L) | 3-Nitro-aniline (µg/L) | Nitro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 07/06/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 08/02/11 | <10.2 | <10.2 | <20.4 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #7 | 09/07/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 10/05/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 11/02/11 | <9.90 | <9.90 | <19.8 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #7 | 12/06/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-15-901 | 01/11/11 | <9.80 | <9.80 | <19.6 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-15-901 | 02/01/11 | <9.90 | <9.90 | <19.8 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-15-901 | 03/01/11 | <9.71 | <9.71 | <19.4 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-15-901 | 04/05/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 05/03/11 | <10.2 | <10.2 | <20.4 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| DX-68-15-901 | 06/06/11 | <10.6 | <10.6 | <21.3 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| DX-68-15-901 | 07/05/11 | <10.5 | <10.5 | <21.1 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| DX-68-15-901 | 08/03/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 09/06/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 01/10/11 | <9.62 | <9.62 | <19.2 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| DX-68-23-301 | 02/10/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 03/02/11 | <9.90 | <9.90 | <19.8 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-23-301 | 04/05/11 | <9.71 | <9.71 | <19.4 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-23-301 | 05/03/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 06/07/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 07/06/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| DX-68-23-301 | 08/02/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 09/07/11 | <9.80 | <9.80 | <19.6 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-23-301 | 10/05/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Isophorone (µg/L) | 2-Methyl-naphthalene (µg/L) | 3,4-Methyl-phenol (µg/L) | 2-Methyl-phenol (µg/L) | 4-Nitro-aniline (µg/L) | 2-Nitro-aniline (µg/L) | 3-Nitro-aniline (µg/L) | Nitro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 11/02/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 12/06/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Hueco Springs B | 01/11/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Hueco Springs B | 02/01/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 01/10/11 | <9.71 | <9.71 | <19.4 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| LR-67-01-801 | 01/31/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 02/28/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 04/04/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 05/02/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 06/06/11 | <10.1 | <10.1 | <20.2 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| LR-67-01-801 | 07/05/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 08/03/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 09/06/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-801 | 10/03/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 11/01/11 | <9.90 | <9.90 | <19.8 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| LR-67-01-801 | 12/05/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 01/19/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 01/31/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 02/28/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 04/04/11 | <9.43 | <9.43 | <18.9 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 05/02/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 06/06/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 07/05/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 08/03/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 09/06/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | Isophorone (µg/L) | 2-Methyl-naphthalene (µg/L) | 3,4-Methyl-phenol (µg/L) | 2-Methyl-phenol (µg/L) | 4-Nitro-aniline (µg/L) | 2-Nitro-aniline (µg/L) | 3-Nitro-aniline (µg/L) | Nitro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-819 | 09/28/11 | <9.35 | <9.35 | <18.7 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 11/02/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 12/05/11 | <10.0 | <10.0 | <20.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4-Nitro-phenol (µg/L) | 2-Nitro-phenol (µg/L) | n-Nitro-sodi-n-propyl-amine (µg/L) | n-Nitro-sodiphenyl-amine (µg/L) | Phenanthrene (µg/L) | Phenol (µg/L) | Pyrene (µg/L) | 2,4,5-Trichloro-phenol (µg/L) | 2,4,6-Trichloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| San Antonio Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Antonio Springs | 02/01/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| San Pedro Springs | 01/12/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| San Pedro Springs | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 03/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| San Pedro Springs | 04/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 01/13/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 02/10/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 03/02/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 04/05/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 05/04/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #3 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| Comal Springs #3 | 07/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #3 | 09/07/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| Comal Springs #3 | 10/03/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #3 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #3 | 12/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 01/13/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 03/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Comal Springs #7 | 04/06/11 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 | <9.52 |
| Comal Springs #7 | 05/04/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| Comal Springs #7 | 06/07/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4-Nitro-phenol (µg/L) | 2-Nitro-phenol (µg/L) | n-Nitro-sodi-n-propyl-amine (µg/L) | n-Nitro-sodiphenyl-amine (µg/L) | Phenanthrene (µg/L) | Phenol (µg/L) | Pyrene (µg/L) | 2,4,5-Trichloro-phenol (µg/L) | 2,4,6-Trichloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| Comal Springs #7 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 08/02/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| Comal Springs #7 | 09/07/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| Comal Springs #7 | 10/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Comal Springs #7 | 11/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| Comal Springs #7 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-15-901 | 01/11/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-15-901 | 02/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-15-901 | 03/01/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-15-901 | 04/05/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 05/03/11 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 | <10.2 |
| DX-68-15-901 | 06/06/11 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| DX-68-15-901 | 07/05/11 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| DX-68-15-901 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-15-901 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 01/10/11 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 | <9.62 |
| DX-68-23-301 | 02/10/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| DX-68-23-301 | 03/02/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| DX-68-23-301 | 04/05/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| DX-68-23-301 | 05/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 06/07/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 07/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| DX-68-23-301 | 08/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 09/07/11 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 | <9.80 |
| DX-68-23-301 | 10/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |

**Table C-14. (cont.)** Analytical data for semivolatile organic compounds (SVOC) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2011

| Station Name | Date Sampled | 4-Nitro-phenol (µg/L) | 2-Nitro-phenol (µg/L) | n-Nitro-sodi-n-propyl-amine (µg/L) | n-Nitro-sodiphenyl-amine (µg/L) | Phenanthrene (µg/L) | Phenol (µg/L) | Pyrene (µg/L) | 2,4,5-Trichloro-phenol (µg/L) | 2,4,6-Trichloro-phenol (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| DX-68-23-301 | 11/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DX-68-23-301 | 12/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| Hueco Springs B | 01/11/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Hueco Springs B | 02/01/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 01/10/11 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 | <9.71 |
| LR-67-01-801 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 02/28/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 04/04/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 06/06/11 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 | <10.1 |
| LR-67-01-801 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-801 | 09/06/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-801 | 10/03/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-801 | 11/01/11 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 | <9.90 |
| LR-67-01-801 | 12/05/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 01/19/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 01/31/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 02/28/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 04/04/11 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 | <9.43 |
| LR-67-01-819 | 05/02/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 06/06/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 07/05/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |
| LR-67-01-819 | 08/03/11 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| LR-67-01-819 | 09/06/11 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 | <9.35 |

**Table C-14.** (cont.) Analytical data for semivolatile organic compounds (SVOCs) from streams crossing the Edwards Aquifer Recharge Zone and springs discharging from the Edwards Aquifer, 2010

| Station Name | Date Sampled | Isophorone (µg/L) | 2-Methyl-naphthalene (µg/L) | 2-Methyl-phenol (µg/L) | 4-Methyl-phenol (µg/L) | 2-Nitro-aniline (µg/L) | 3-Nitro-aniline (µg/L) | 4-Nitro-aniline (µg/L) | Nitro-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| LR-67-01-8CP | 06/01/10 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 |
| LR-67-01-8DI | 06/01/10 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 | <10.5 |
| San Geronimo Creek point A | 04/14/10 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| San Geronimo Creek point A | 07/13/10 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 | <10.6 |
| San Geronimo Creek point A | 11/09/10 | <9.52 | <9.52 | <9.52 | NA | <9.52 | <9.52 | <9.52 | <9.52 |
| San Geronimo Creek point B | 04/14/10 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| San Geronimo Creek point B | 07/13/10 | <10.4 | <10.4 | <10.4 | <10.4 | <10.4 | <10.4 | <10.4 | <10.4 |
| San Geronimo Creek point B | 11/09/10 | <9.52 | <9.52 | <9.52 | NA | <9.52 | <9.52 | <9.52 | <9.52 |
| San Geronimo Creek point C | 04/14/10 | <10.9 | <10.9 | <10.9 | <10.9 | <10.9 | <10.9 | <10.9 | <10.9 |
| San Geronimo Creek point C | 07/13/10 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| San Geronimo Creek point C | 11/09/10 | <9.71 | <9.71 | <9.71 | NA | <9.71 | <9.71 | <9.71 | <9.71 |

**Table C-15.** Analytical data for pharmaceuticals and personal care products (PPCPs) from wells, streams, and springs in the Edwards Aquifer region, 2011

| Station Name | Date Sampled | Triclo-carban (ng/L) | Aceta-minophen (ng/L) | para-n-Nonylphenol (µg/L) | DEET (ng/L) | p-tert-Octylphenol (µg/L) | Tylosin (ng/L) | Thiabendazole (ng/L) |
|---|---|---|---|---|---|---|---|---|
| AY-68-28-211 | 08/22/11 | 2.9J | <21 | <0.94 | <26 | <0.94 | 2.3J | <11 |
| AY-68-28-608 | 08/18/11 | <10 | <20 | <0.94 | <26 | <0.94 | <10 | <10 |
| AY-68-28-608 | 08/18/11 | <10 | <20 | <0.94 | <26 | <0.94 | <10 | <10 |
| AY-68-29-112 | 08/18/11 | <10 | <21 | <0.96 | <26 | <0.96 | <10 | <10 |
| AY-68-29-113 | 08/18/11 | <10 | <21 | <0.95 | <26 | <0.95 | <10 | <10 |
| AY-68-29-113 | 08/18/11 | <10 | <21 | <0.95 | <26 | <0.95 | <10 | <10 |
| AY-68-29-418 | 08/22/11 | <10 | <21 | <0.96 | <26 | <0.96 | <10 | <10 |
| DX-68-23-301 | 08/23/11 | <10 | <21 | <1.1 | <26 | <1.1 | <10 | <10 |



**Table C-15. (cont.)** Analytical data for pharmaceuticals and personal care products (PPCPs) from wells, streams, and springs in the Edwards Aquifer region, 2011

| Station Name | Date Sampled | Lincomycin (ng/L) | Ibuprofen (ng/L) | Naproxen (ng/L) | Gemfibrozil (ng/L) | Carba-mazepine (ng/L) | Triclosan (ng/L) | Diltiazem (ng/L) | Cotinine (ng/L) |
|---|---|---|---|---|---|---|---|---|---|
| AY-68-28-211 | 08/22/11 | <210 | <26 | <53 | <26 | <11 | <53 | <5.3 | <11 |
| AY-68-28-608 | 08/18/11 | 0.51J | <26 | <51 | <26 | <10 | <51 | <5.1 | 1.7J |
| AY-68-28-608 | 08/18/11 | 0.51J | <26 | <51 | <26 | <10 | <51 | <5.1 | 1.7J |
| AY-68-29-112 | 08/18/11 | 0.42J | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| AY-68-29-113 | 08/18/11 | 0.31J | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| AY-68-29-113 | 08/18/11 | 0.31J | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| AY-68-29-418 | 08/22/11 | <210 | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| DX-68-23-301 | 08/23/11 | <210 | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |

**Table C-15.** Analytical data for pharmaceuticals and personal care products (PPCPs) from wells, streams, and springs in the Edwards Aquifer region, 2011

| Station Name | Date Sampled | Triclo-carban (ng/L) | Aceta-minophen (ng/L) | para-n-Nonylphenol (µg/L) | DEET (ng/L) | p-tert-Octylphenol (µg/L) | Tylosin (ng/L) | Thiabendazole (ng/L) |
|---|---|---|---|---|---|---|---|---|
| AY-68-28-211 | 08/22/11 | 2.9J | <21 | <0.94 | <26 | <0.94 | 2.3J | <11 |
| AY-68-28-608 | 08/18/11 | <10 | <20 | <0.94 | <26 | <0.94 | <10 | <10 |
| AY-68-28-608 | 08/18/11 | <10 | <20 | <0.94 | <26 | <0.94 | <10 | <10 |
| AY-68-29-112 | 08/18/11 | <10 | <21 | <0.96 | <26 | <0.96 | <10 | <10 |
| AY-68-29-113 | 08/18/11 | <10 | <21 | <0.95 | <26 | <0.95 | <10 | <10 |
| AY-68-29-113 | 08/18/11 | <10 | <21 | <0.95 | <26 | <0.95 | <10 | <10 |
| AY-68-29-418 | 08/22/11 | <10 | <21 | <0.96 | <26 | <0.96 | <10 | <10 |
| DX-68-23-301 | 08/23/11 | <10 | <21 | <1.1 | <26 | <1.1 | <10 | <10 |



**Table C-15. (cont.)** Analytical data for pharmaceuticals and personal care products (PPCPs) from wells, streams, and springs in the Edwards Aquifer region, 2011

| Station Name | Date Sampled | Lincomycin (ng/L) | Ibuprofen (ng/L) | Naproxen (ng/L) | Gemfibrozil (ng/L) | Carba-mazepine (ng/L) | Triclosan (ng/L) | Diltiazem (ng/L) | Cotinine (ng/L) |
|---|---|---|---|---|---|---|---|---|---|
| AY-68-28-211 | 08/22/11 | <210 | <26 | <53 | <26 | <11 | <53 | <5.3 | <11 |
| AY-68-28-608 | 08/18/11 | 0.51J | <26 | <51 | <26 | <10 | <51 | <5.1 | 1.7J |
| AY-68-28-608 | 08/18/11 | 0.51J | <26 | <51 | <26 | <10 | <51 | <5.1 | 1.7J |
| AY-68-29-112 | 08/18/11 | 0.42J | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| AY-68-29-113 | 08/18/11 | 0.31J | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| AY-68-29-113 | 08/18/11 | 0.31J | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| AY-68-29-418 | 08/22/11 | <210 | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |
| DX-68-23-301 | 08/23/11 | <210 | <26 | <52 | <26 | <10 | <52 | <5.2 | <10 |

# APPENDIX D –

## Conversion Factors

| Volume | Equivalent Units |
|---|---|
| 1 cubic foot | 7.48 gallons |
| | 62.41 lbs. of water (1 gal. weighs ~ 8.35 pounds: ~62.45) |
| 1 acre-foot | 43,560 cubic feet |
| | 325,851 gallons |
| | Covers one acre of land<br>(209 feet by 209 feet) one foot deep |
| 1 million gallons | 3.07 acre-feet |
| **Flow Rate** | |
| 1 cubic foot per second (cfs) | 448.80 gallons per minute |
| | 646,272 gallons per day |
| | 1.98 acre-feet per day |
| | 0.65 million gallons per day<br>(0.646272, or approximately 0.65 million gallons per day) |
| | 59.4 acre-feet per month |
| | 236 million gallons per year<br>(0.646272 × 365 = 235.89 million gallons per year) |
| | 724 acre-feet per year<br>(235.89 × 3.07 = 724.18 acre-feet per year) |
| 1 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 | |
|---|---|
| 10 cents per 1,000 gallons | $100.00 per 1 million gallons |
| | $32.59 per acre foot (EAA charges $37.00 for M/I) |
| 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 | |
|---|---|
| 1 acre | 0.4 hectares |
| 1 gallon | 3.8 liters |
| 1 cubic foot | 0.028 cubic meters |
| 1 cubic meter per second | 15,850 gallons per minute<br>951,019 gallons per hour |